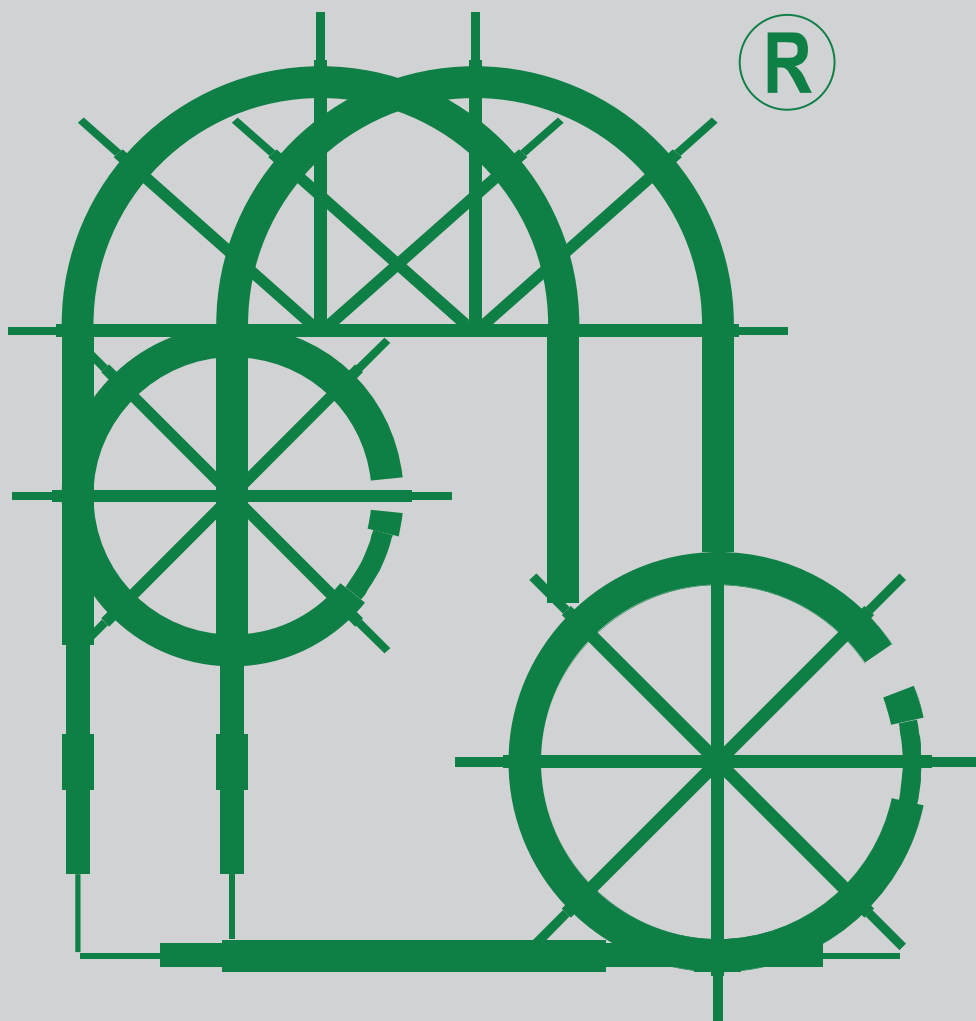


CATALOGUE 141

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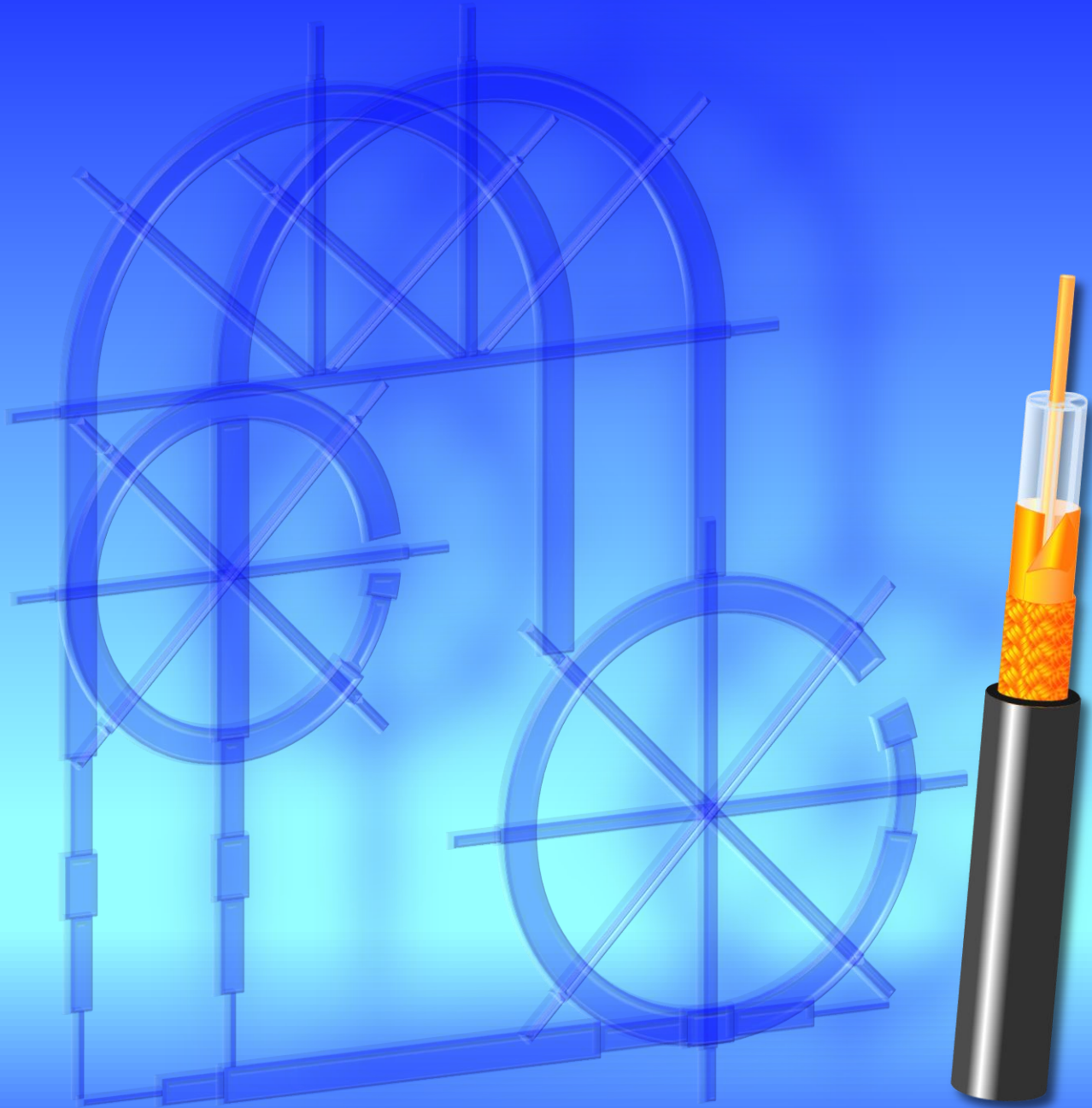
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COAXIAL CABLES RG



CATALOGUE 141

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Item	I212
Description	RG 174/U MIL M17/119
Application	Radio-frequency systems 50 OHM impedance passing through small spaces and short distance with a low power.

Item	I204
Description	RG 58 C/U MIL M17/028
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with average power.

Construction

Iner Conductor	Material	Copperweld
	Type	Stranded
	n x mm	7 x 0,16
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	1,50 ± 0,05
Shield	Material	Tinned Copper
	Costruction	16 x 4 x 0,10
	Coverage	85%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	2,80 ± 0,10

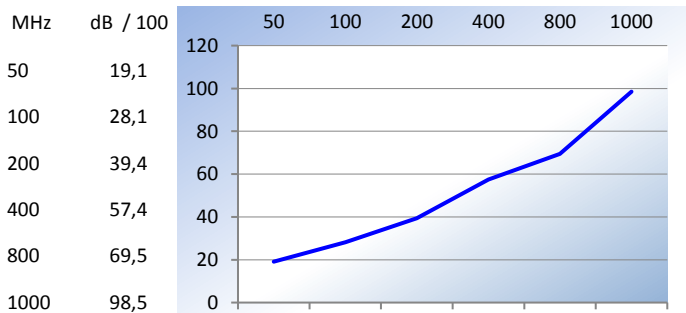


Weight	kg / km	13,0
Standards	MIL M17/119 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	99
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	300,0
Shield Resistance	Ohm/km	35,1
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 28
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Construction

Iner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	19 x 0,18
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	2,95 ± 0,05
Shield	Material	Tinned Copper
	Costruction	16 x 7 x 0,12
	Coverage	93%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	5,00 ± 0,10

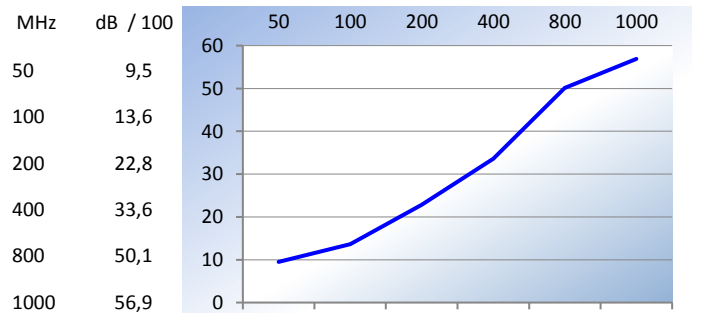


Weight	kg / km	37,5
Standards	MIL M17/028 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 2.5
Capacity	pF/m	98
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	38,4
Shield Resistance	Ohm/km	17,0
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item I013
Description RG 58 C/U MIL M17/028
Application Radio-frequency systems 50 OHM impedance up to 430 MHz with average power for nautical applications.

Construction

Iner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	19 x 0,18
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	2,95 ± 0,05
Shield	Material	Tinned Copper
	Costruction	16 x 7 x 0.12
	Coverage	93%
Jacket	Material	PVC UV-Resistant
	Color	White
	Diameter	5,00 ± 0,10

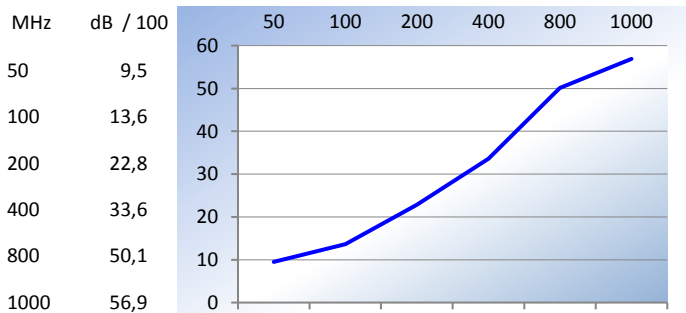


Weight kg / km 37,5
Standards MIL M17/028 - HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	50 ± 2.5
Capacity	pF/m	98
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	38,4
Shield Resistance	Ohm/km	17,0
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item I215
Description RG 223/U MIL M17/084
Application Radio-frequency systems 50 OHM impedance up to 430 MHz with average power. Very resistant to oxidation thanks to silver plated copper.

Construction

Iner Conductor	Material	Silvered Copper
	Type	Solid
	n x mm	1 x 0,90
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	2,95 ± 0,05
Shield	Material	Silvered Copper
	Costruction	16 x 7 x 0.13
	Coverage	94%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	5,40 ± 0,10

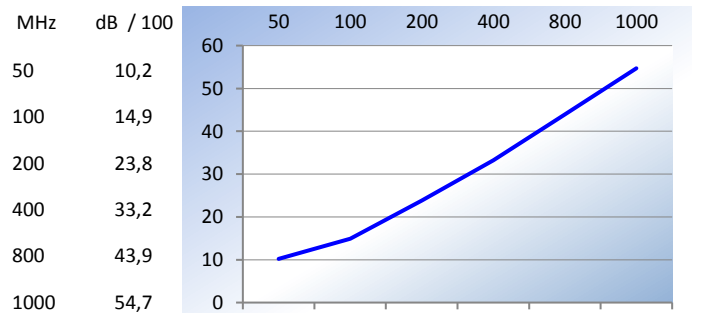


Weight kg / km 49,5
Standards MIL M17/084 - HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	50 ± 2
Capacity	pF/m	97
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	27,1
Shield Resistance	Ohm/km	5,5
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



111 COAXIAL CABLE RG MIL

Item	I218
Description	RG 213/U MIL M17/074
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with high power.

Construction

Ineer Conductor	Material	Bare Copper
	Type	Stranded
	n x mm	7 x 0,75
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 8 x 0.18
	Coverage	97%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,30 ± 0,10

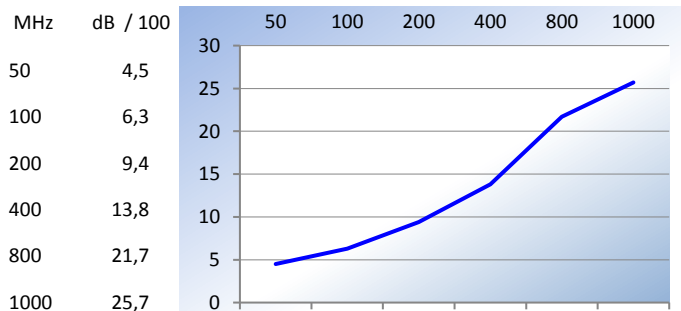


Weight	kg / km	154,0
Standards	MIL M17/074 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 2
Capacity	pF/m	97
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	5,7
Shield Resistance	Ohm/km	3,2
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 28
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I213
Description	RG 214/U MIL M17/075
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with average power. Very resistant to oxidation thanks to silver plated copper.

Construction

Ineer Conductor	Material	Silvered Copper
	Type	Stranded
	n x mm	7 x 0,75
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Silvered Copper
	Costruction	24 x 6 x 0.15
	Coverage	85%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,80 ± 0,10

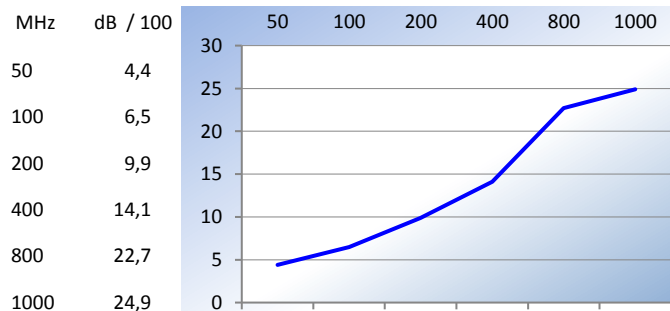


Weight	kg / km	164,0
Standards	MIL M17/075 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 2
Capacity	pF/m	98
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	5,7
Shield Resistance	Ohm/km	2,4
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I205
Description	RG 59 B/U MIL M17/029
Application	Video-equipment systems 75 OHM impedance for medium distances.

Construction

Inner Conductor	Material	Copperweld
	Type	Solid
	n x mm	1 x 0,58
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	3,70 ± 0,05
Shield	Material	Bare Copper
	Costruction	16 x 7 x 0.15
	Coverage	94%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	6,15 ± 0,10



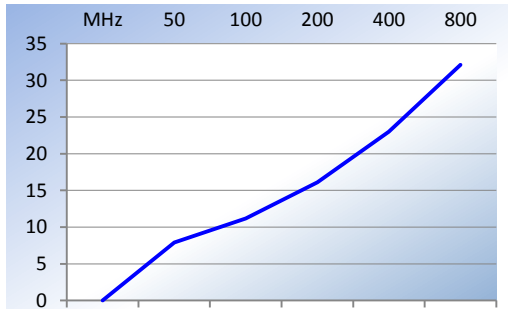
Weight	kg / km	53,0
Standards	MIL M17/029 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	160,0
Shield Resistance	Ohm/km	7,8
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
50	7,9
100	11,2
200	16,1
400	23,0
800	32,1
1000	40,0



Item	I203
Description	RG 11/U MIL M17/006
Application	Video-equipment systems 75 OHM impedance also for long distances.

Construction

Material	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,40
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 8 x 0.18
	Coverage	97%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,30 ± 0,10



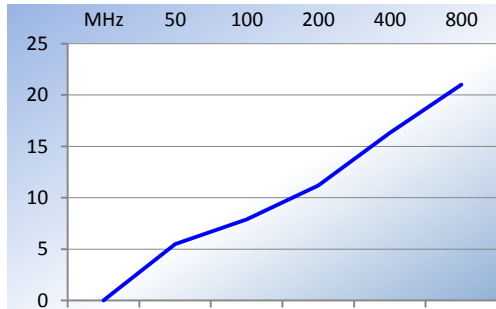
Weight	kg / km	150,0
Standards	MIL M17/006 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	21,0
Shield Resistance	Ohm/km	3,2
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
50	5,5
100	7,9
200	11,2
400	16,3
800	21,0
1000	26,3



Item	I043
Description	RG 174/U MIL C17
Application	Radio-frequency systems 50 OHM impedance passing through small spaces and short distance with a low power.

Construction

Iner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,16
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	1,50 ± 0,05
Shield	Material	Tinned Copper
	Costruction	16 x 4 x 0,10
	Coverage	85%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	2,80 ± 0,10

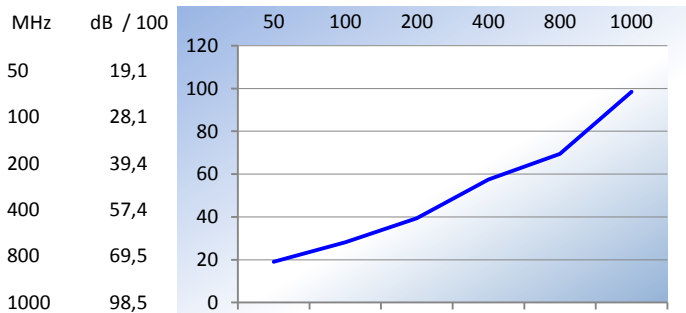


Weight	kg / km	13,0
Standards	MIL M17/119 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	99
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	300,0
Shield Resistance	Ohm/km	35,1
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 28
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I014
Description	RG 58 C/U LOW LOSS
Application	This cable with dielectric in polyethylene foam is particularly suitable for radio transmissions up to 900Mhz.

Construction

Iner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	19 x 0,18
Dielectric	Material	Polyethylene Foam G.I.
	Color	White
	Diameter	2,65 ± 0,05
Shield	Material	Aluminium / PET foil
	μ	9/12
	Coverage	100%
Jacket	Material	Tinned Copper
	Costruction	16 x 5 x 0,10
	Coverage	65%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	5,00 ± 0,10

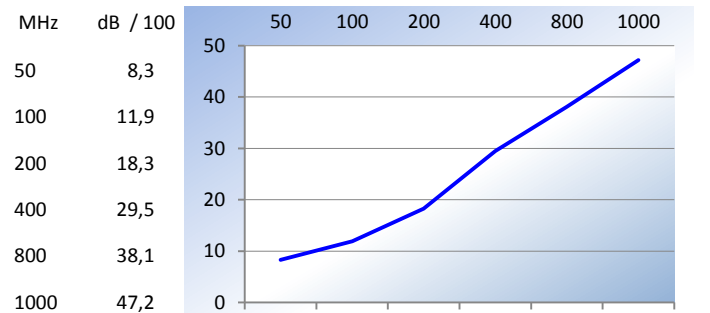


Weight	kg / km	31,0
Standards	HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	85
Velocity Ratio	%	80
Inner Conductor Resistance	Ohm/km	38,4
Shield Resistance	Ohm/km	25,6
Return Loss 100-300 MHz	dB	> 25
Return Loss 300-900 MHz	dB	> 20
Screening Efficiency 100-900 MHz	dB	> 80
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I012.1
Description	RG 58 C/U MIL C17
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with average power.

Construction

Iner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	19 x 0,18
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	2,95 ± 0,05
Shield	Material	Tinned Copper
	Costruction	16 x 6 x 0.10
	Coverage	78%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	5,00 ± 0,10

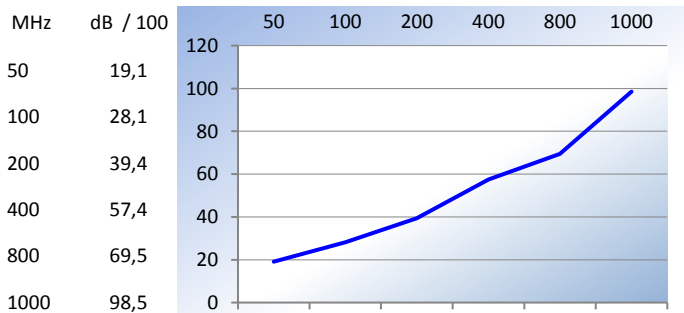


Weight	kg / km	13,0
Standards	MIL M17/119 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	99
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	300,0
Shield Resistance	Ohm/km	35,1
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 28
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I215.1
Description	RG 223/U MIL C17
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with average power. Very resistant to oxidation thanks to silvered copper.

Construction

Iner Conductor	Material	Tinned Copper
	Type	Solid
	n x mm	1 x 0,90
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	2,95 ± 0,05
Shield	Material	Tinned Copper
	Costruction	16 x 7 x 0.12
	Coverage	94%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	5,40 ± 0,10

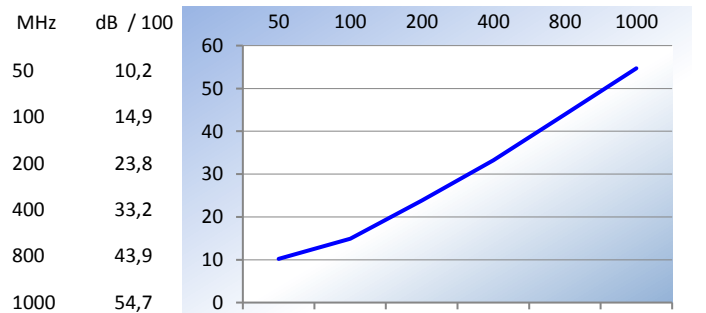


Weight	kg / km	49,5
Standards	MIL M17/084 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 2
Capacity	pF/m	97
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	28,3
Shield Resistance	Ohm/km	6,7
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



112 COAXIAL CABLE RG

Item	I213.1
Description	RG 214/U MIL C17
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with average power. Very resistant to oxidation thanks to silvered copper.

Construction

Inner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,75
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Tinned Copper
	Costruction	24 x 6 x 0.15
	Coverage	85%
	Material	Tinned Copper
	Costruction	24 x 7 x 0.15
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,80 ± 0,10

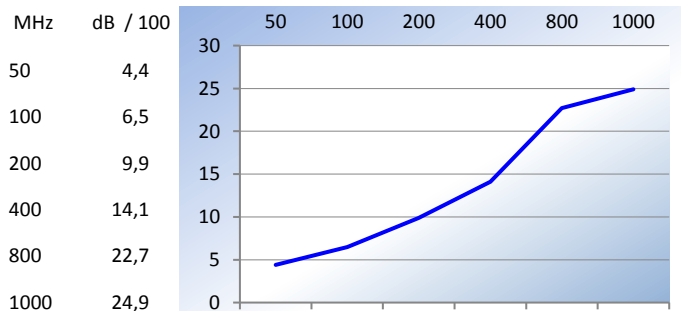


Weight	kg / km	154,0
Standards	MIL M17/074 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 2
Capacity	pF/m	98
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	5,7
Shield Resistance	Ohm/km	2,4
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I217.1
Description	RG 213/U MIL C17
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with high power.

Construction

Inner Conductor	Material	Bare Copper
	Type	Stranded
	n x mm	7 x 0,75
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 12 x 0,10
	Coverage	90%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,30 ± 0,10

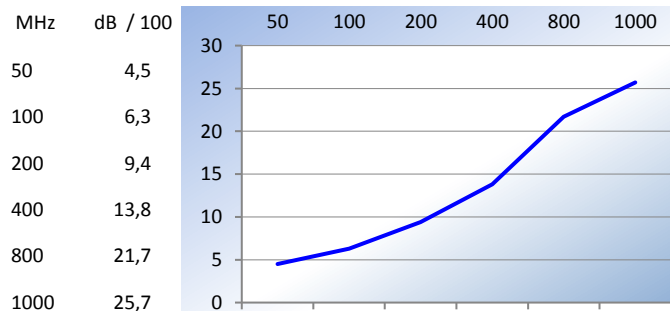


Weight	kg / km	140,0
Standards	MIL C17 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 2
Capacity	pF/m	97
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	5,7
Shield Resistance	Ohm/km	6,8
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 28
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



112 COAXIAL CABLE RG

Item I219.3
Description RG 59 B/U MIL C17
Application Video-equipment systems 75 OHM impedance for medium distances.

Construction

Ineer Conductor	Material	Copperweld
	Type	Solid
	n x mm	1 x 0,58
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	3,70 ± 0,05
Shield	Material	Bare Copper
	Costruction	16 x 9 x 0,10
	Coverage	87%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	6,15 ± 0,10

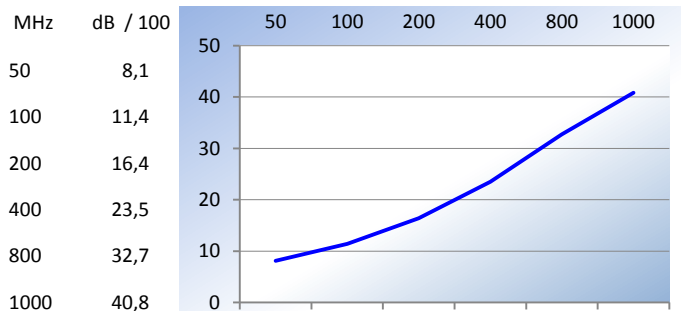


Weight kg / km 41,5
Standards HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	160,0
Shield Resistance	Ohm/km	12,0
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item I037.1
Description RG 11/U MIL C17
Application Video-equipment systems 75 OHM impedance also for long distances.

Construction

Ineer Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,40
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 12 x 0,10
	Coverage	90%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,30 ± 0,10

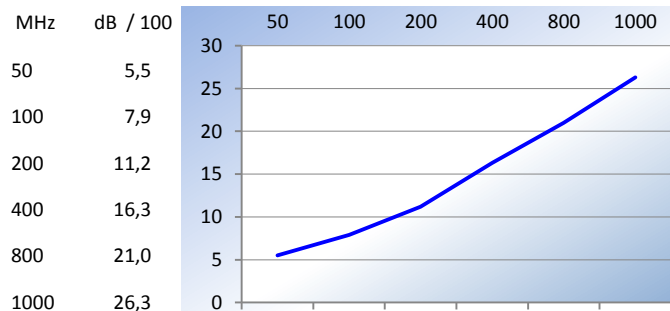


Weight kg / km 155,0
Standards MIL C17 - HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	21,0
Shield Resistance	Ohm/km	6,8
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item I158
Description RG 8/XX LOW LOSS
Application Radio-frequency systems 50 OHM impedance. This cable with dielectric in polyethylene foam is particularly suitable for radio transmissions up to 900Mhz.

Construction

Iner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	19 x 0,30
Dielectric	Material	Polyethylene Foam G.I.
	Color	White
	Diameter	3,85 ± 0,05
Shield	Material	Aluminium / PET foil
	μ	9/12
	Coverage	100%
	Material	Tinned Copper
	Costruction	24 x 8 x 0,10
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	6,00 ± 0,10

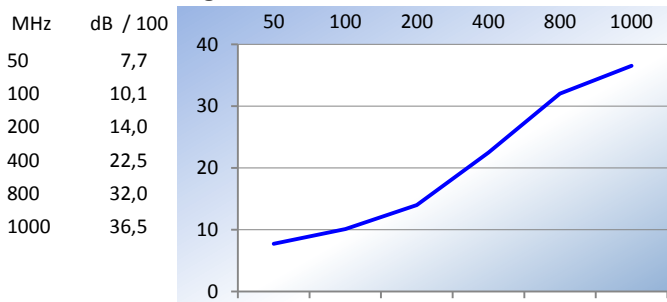


Weight kg / km 51,0
Standards HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	81
Velocity Ratio	%	85
Inner Conductor Resistance	Ohm/km	13,8
Shield Resistance	Ohm/km	11,1
Return Loss 100-300 MHz	dB	> 25
Return Loss 300-900 MHz	dB	> 20
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item I999/N
Description XT 2.400 LOW LOSS
Application Radio-frequency systems 50 OHM impedance. The construction and the materials make this cable particularly suitable for radio transmissions up to 2.400 Mhz.

Construction

Iner Conductor	Material	Bare Copper
	Type	Solid
	n x mm	1 x 0,90
Dielectric	Material	Polyethylene Foam G.I.
	Color	White
	Diameter	2,65 ± 0,05
Shield	Material	Aluminium / PET foil/AL
	μ	9/12/9
	Coverage	100%
	Material	Tinned Copper
	Costruction	16 x 7 x 0,10
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	5,00 ± 0,10

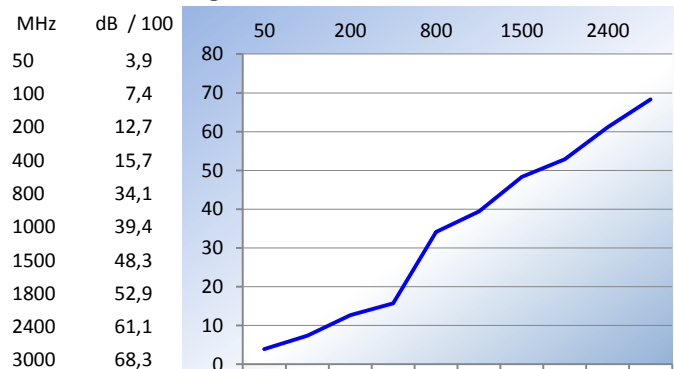


Weight kg / km 32,5
Standards HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	85
Velocity Ratio	%	81
Inner Conductor Resistance	Ohm/km	28,3
Shield Resistance	Ohm/km	13,7
Return Loss 100-300 MHz	dB	> 25
Return Loss 300-900 MHz	dB	> 20
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I021
Description	RG 213/U MIL M17/074 SN
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with high power. It has been developed for Nautical Industry with white sheath and with tinned copper in order to make it suitable to resist corrosion due to salt.

Construction

Inner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,75
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
	Material	Tinned Copper
Shield	Costruction	24 x 7 x 0,15
	Coverage	84%
	Material	PVC UV-Resistant
Jacket	Material	PVC UV-Resistant
	Color	White
	Diameter	10,30 ± 0,10

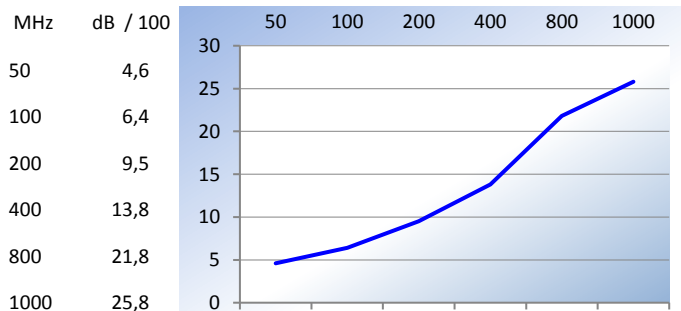


Weight	kg / km	140,0
Standards	MIL C17 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 2
Capacity	pF/m	97
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	6,0
Shield Resistance	Ohm/km	5,4
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 28
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I114
Description	RG 213/XS LOW LOSS
Application	Radio-frequency systems 50 OHM impedance up to 900 MHz. With the dielectric in Foam Polyethylene we obtain very low losses; the double shielding prevents almost any possibility of radio interference; the sheath made in special PVC, very soft, allow a very easy installation.

Construction

Inner Conductor	Material	Bare Copper
	Type	Stranded
	n x mm	7 x 0,75
Dielectric	Material	Polyethylene Foam G.I.
	Color	White
	Diameter	6,5 ± 0,05
	Material	Aluminium / PET foil
Shield	μ	9/12
	Coverage	100%
	Material	Bare Copper
Jacket	Costruction	24 x 8 x 0,15
	Coverage	93%
	Material	Special PVC 60 Shore
Jacket	Material	Special PVC 60 Shore
	Color	Black
	Diameter	10,20 ± 0,10

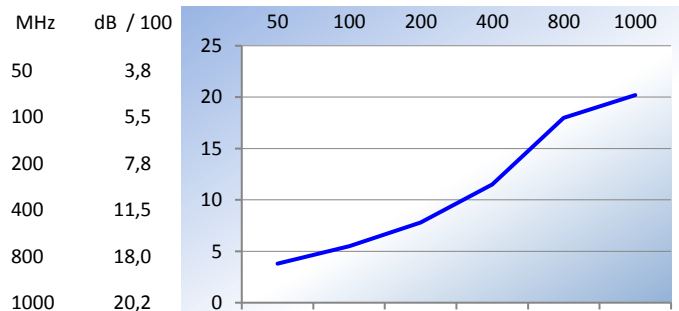


Weight	kg / km	136,0
Standards	HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	89
Velocity Ratio	%	75
Inner Conductor Resistance	Ohm/km	5,7
Shield Resistance	Ohm/km	4,7
Return Loss 100-300 MHz	dB	> 25
Return Loss 300-900 MHz	dB	> 20
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I019
Description	RT 50/20 LOW LOSS
Application	Radio-frequency systems 50 OHM impedance up to 900 MHz. With the dielectric in Foam Polyethylene we obtain very low losses; the double shielding prevents almost any possibility of radio interference; the Polyethylene UV-Resistant sheath allows an outdoor installation.

Construction

Iner Conductor	Material	Bare Copper
	Type	Solid
	n x mm	1 x 2,50
Dielectric	Material	Polyethylene Foam G.I.
	Color	White
	Diameter	7.00 ± 0,05
Shield	Material	Copper / PET foil
	μ	9/12
	Coverage	100%
	Material	Bare Copper
	Costruction	24 x 8 x 0,18
	Coverage	99%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,00 ± 0,10

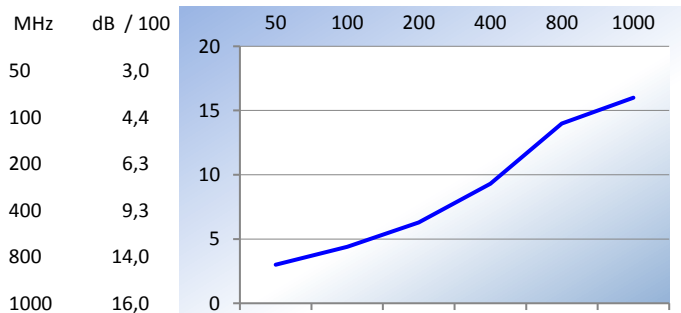


Weight	kg / km	148,0
Standards	HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	81
Velocity Ratio	%	82
Inner Conductor Resistance	Ohm/km	3,5
Shield Resistance	Ohm/km	2,7
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I035
Description	RT 50/200 AIR PLUS
Application	Radio-frequency systems 50 OHM impedance up to 900 MHz. With the dielectric in tubular Polyethylene we obtain very low losses; the double shielding prevents almost any possibility of radio interference; the Polyethylene UV-Resistant sheath allows an outdoor installation.

Construction

Iner Conductor	Material	Bare Copper
	Type	Solid
	n x mm	1 x 2,50
Dielectric	Material	Polyethylene Air Tube
	Color	Transparent
	Diameter	7.40 ± 0,05
Shield	Material	Copper / PET foil
	μ	9/12
	Coverage	100%
	Material	Bare Copper
	Costruction	24 x 8 x 0,18
	Coverage	99%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,00 ± 0,10

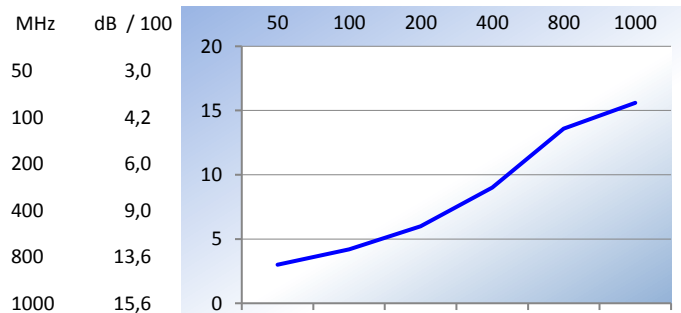


Weight	kg / km	122,0
Standards	HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	50 ± 3
Capacity	pF/m	87
Velocity Ratio	%	77
Inner Conductor Resistance	Ohm/km	3,5
Shield Resistance	Ohm/km	2,7
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I022
Description	RG 59 B/U DOUBLE SHIELDING
Application	Transmissions of video signals in presence of strong electromagnetic interferences.

Item	I219.3PE
Description	RG 59 B/U UNDERGROUND
Application	Video-equipment systems 75 OHM impedance for medium distances. Suitable for underground installation and in water stagnation areas.

Construction

Iner Conductor	Material	Bare Copper
	Type	Solid
	n x mm	1 x 0,60
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	3,60 ± 0,05
Shield	Material	Tinned Copper
	Costruction	16 x 7 x 0,10
	Coverage	76%
	Material	Tinned Copper
	Costruction	16 x 7 x 0,10
Jacket	Material	PVC UV-Resistant
	Color	Blue RAL 5015
	Diameter	10,30 ± 0,10



Weight	kg / km	52,0
Standards	HD 605/A1 (UV resistance) - ROHS	

Construction

Iner Conductor	Material	Copperweld
	Type	Solid
	n x mm	1 x 0,58
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	3,70 ± 0,05
Shield	Material	Bare Copper
	Costruction	16 x 9 x 0,10
	Coverage	87%
Jacket	Material	PE UV-Resistant
	Color	Black
	Diameter	6,15 ± 0,10

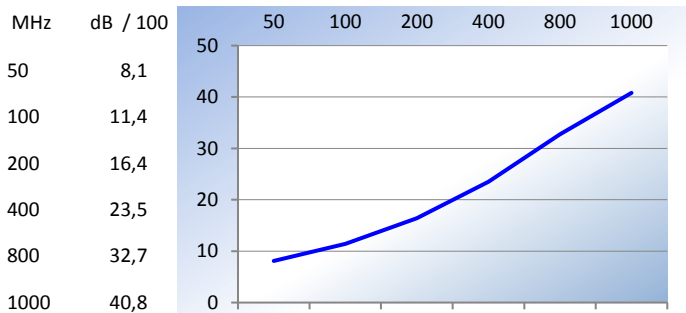


Weight	kg / km	38,5
Standards	MIL C17 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	6,4
Shield Resistance	Ohm/km	9,2
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

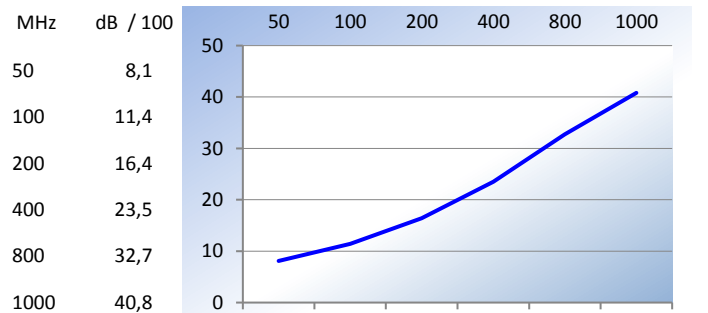
Nominal attenuations @ 20°C



Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	160,0
Shield Resistance	Ohm/km	12,0
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



115 RG COAXIAL CABLE FOR CCTV

Item I210
Description RG 59 B/U PUR
Application Video control connection at distance. The flexible outer sheath made in Polyurethane grants high resistance to oils, to hydrocarbons and to the most common aggressive chemical agents. Can be used also in submarine installations.

Construction

Inner Conductor	Material	Copperweld
	Type	Solid
	n x mm	1 x 0,58
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	3,70 ± 0,05
Shield	Material	Bare Copper
	Costruction	16 x 7 x 0.15
	Coverage	94%
Jacket	Material	Polyurethane
	Color	Orange
	Diameter	6,15 ± 0,10

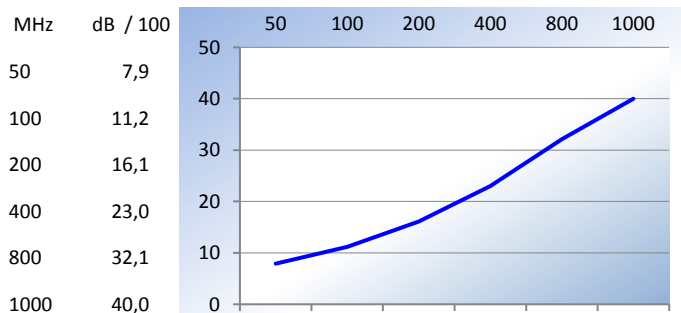


Weight kg / km 52,0
Standards HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	160,0
Shield Resistance	Ohm/km	7,8
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item I216
Description RG 11/U PUR
Application Video control connection at long distance. The flexible outer sheath made in Polyurethane grants high resistance to oils, to hydrocarbons and to the most common aggressive chemical agents. Can be used also in submarine installations.

Construction

Inner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,40
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 8 x 0.18
	Coverage	97%
Jacket	Material	PVC UV-Resistant
	Color	Black
	Diameter	9,40 ± 0,10
	Material	Polyurethane
	Color	Orange
	Diameter	10,30 ± 0,10

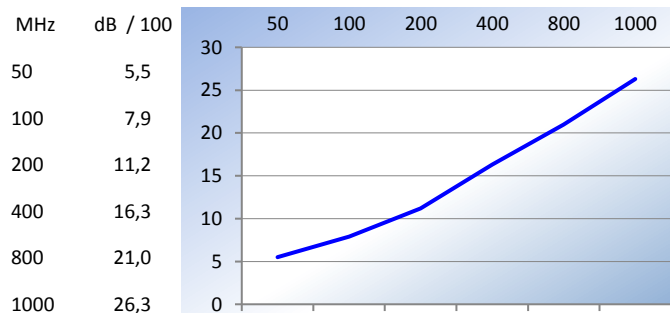


Weight kg / km 175,0
Standards MIL C17 - HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	21,0
Shield Resistance	Ohm/km	3,2
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



115 RG COAXIAL CABLE FOR CCTV

Item	I205AR
Description	RG 59 B/U ARMORED
Application	Video control at medium distance. Can be used in underground installations where there is water stagnation; the armoring made in galvanized steel protect from rodents.

Construction

Iner Conductor	Material	Copperweld
	Type	Solid
	n x mm	1 x 0,58
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	3,70 ± 0,05
Shield	Material	Bare Copper
	Costruction	16 x 7 x 0.15
	Coverage	94%
Innenmantel	Material	PVC UV-Resistant
	Color	Black
	Diameter	6,15 ± 0,10
Armor	Material	Galvanized Steel
	Costruction	24 x 3 x 0,300
	Coverage	80%
Jacket	Material	Polyethylene
	Color	Black
	Diameter	9,50 ± 0,10

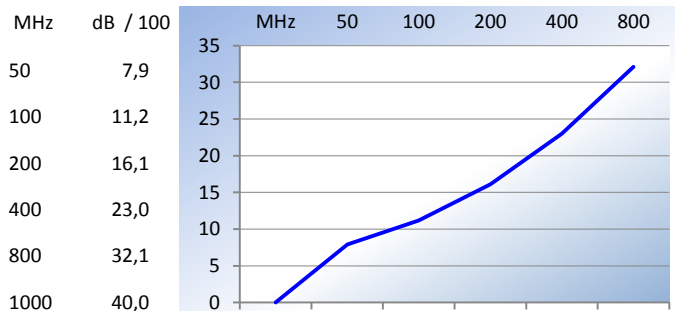


Weight	kg / km	123,0
Standards	MIL M17/029 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	160,0
Shield Resistance	Ohm/km	7,8
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I203AR
Description	RG 11/U ARMORED
Application	Video control at long distance. Can be used in underground installations where there is water stagnation; the armoring made in galvanized steel protect from rodents.

Construction

Iner Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,40
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 8 x 0.18
	Coverage	97%
Innenmantel	Material	PVC UV-Resistant
	Color	Black
	Diameter	10,30 ± 0,10
Armor	Material	Galvanized Steel
	Costruction	24 x 5 x 0,300
	Coverage	86%
Jacket	Material	Polyethylene
	Color	Black
	Diameter	13,70 ± 0,10

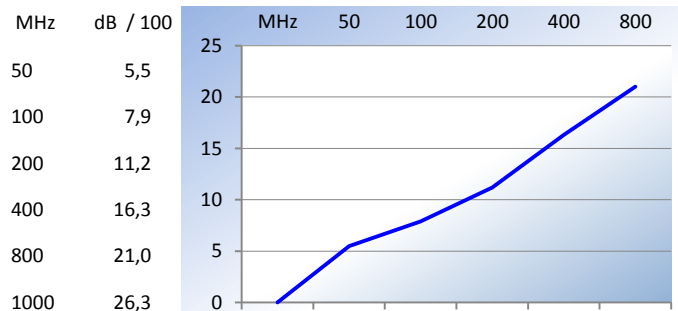


Weight	kg / km	275,0
Standards	MIL M17/006 - HD 605/A1 (UV resistance) - ROHS	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	21,0
Shield Resistance	Ohm/km	3,2
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



117 RG COAXIAL CABLE IEC 60754.1

Item	I204ZH
Description	RG 58 C/U MIL M17/028 IEC 60754.1
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with average power. Use this cable where a LSZH sheath is required.

Construction

Ineer Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	19 x 0,18
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	2,95 ± 0,05
Shield	Material	Tinned Copper
	Costruction	16 x 7 x 0.12
	Coverage	93%
Jacket	Material	Halogen-free M1
	Color	Black
	Diameter	5,00 ± 0,10

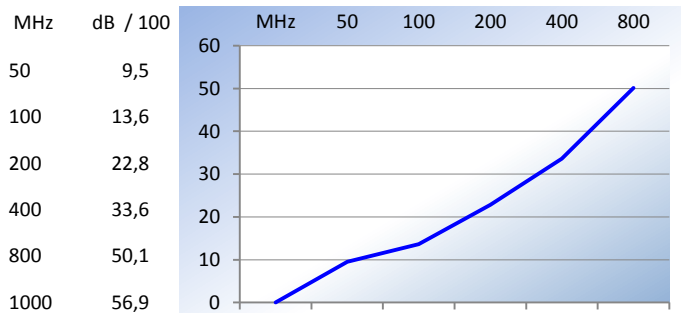


Weight	kg / km	37,5
Standards	IEC 60754.1 - ROHS	

Technical Data

Impedance	Ohm	50 ± 2.5
Capacity	pF/m	98
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	38,4
Shield Resistance	Ohm/km	17,0
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I218ZH
Description	RG 213/U MIL M17/074 IEC 60754.1
Application	Radio-frequency systems 50 OHM impedance up to 430 MHz with high power. Use this cable where a LSZH sheath is required.

Construction

Ineer Conductor	Material	Bare Copper
	Type	Stranded
	n x mm	7 x 0,75
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 8 x 0.18
	Coverage	97%
Jacket	Material	Halogen-free M1
	Color	Black
	Diameter	10,30 ± 0,10

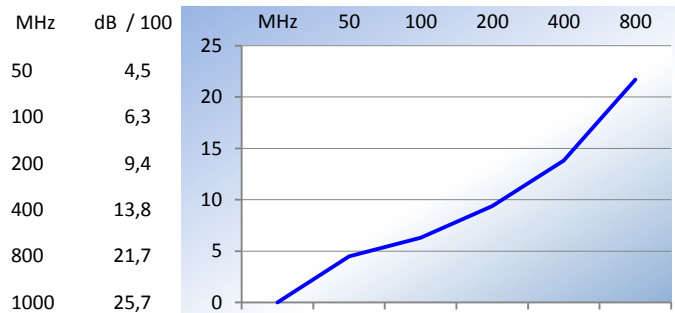


Weight	kg / km	154,0
Standards	IEC 60754.1 - ROHS	

Technical Data

Impedance	Ohm	50 ± 2
Capacity	pF/m	97
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	5,7
Shield Resistance	Ohm/km	3,2
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 28
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



117 RG COAXIAL CABLE IEC 60754.1

Item I205ZH
Description RG 59 B/U MIL M17/029 IEC 60754.1
Application Video-equipment systems 75 OHM impedance for medium distances. Use this cable where a LSZH sheath is required.

Construction

Ineer Conductor	Material	Copperweld
	Type	Solid
	n x mm	1 x 0,58
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	3,70 ± 0,05
Shield	Material	Bare Copper
	Costruction	16 x 7 x 0.15
	Coverage	94%
Jacket	Material	Halogen-free M1
	Color	Black
	Diameter	6,15 ± 0,10

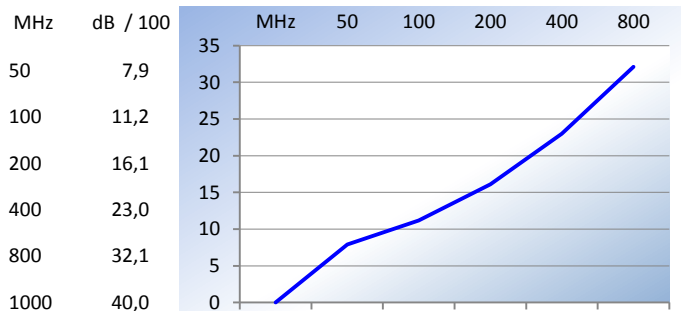


Weight kg / km 53,0
Standards MIL M17/029 - HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	160,0
Shield Resistance	Ohm/km	7,8
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item I203ZH
Description RG 11/U MIL M17/006 IEC 60754.1
Application Video-equipment systems 75 OHM impedance also for long distances. Use this cable where a LSZH sheath is required.

Construction

Ineer Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,40
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 8 x 0.18
	Coverage	97%
Jacket	Material	Halogen-free M1
	Color	Black
	Diameter	10,30 ± 0,10

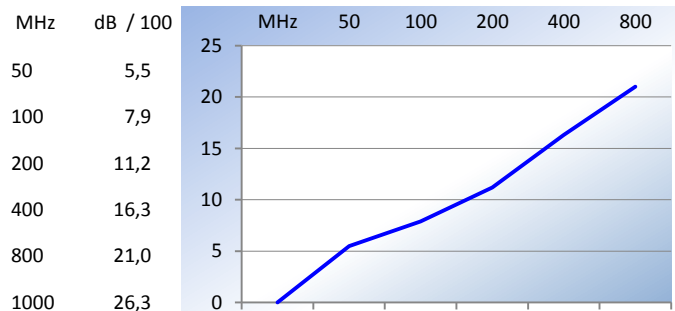


Weight kg / km 150,0
Standards MIL M17/006 - HD 605/A1 (UV resistance) - ROHS

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	21,0
Shield Resistance	Ohm/km	3,2
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



117 RG COAXIAL CABLE IEC 60754.1

Item I219.3ZH
Description RG 59 B/U IEC 60754.1
Application Video-equipment systems 75 OHM impedance for medium distances. Use this cable where a LSZH sheath is required.

Construction

Ineer Conductor	Material	Copperweld
	Type	Solid
	n x mm	1 x 0,58
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	3,70 ± 0,05
Shield	Material	Bare Copper
	Costruction	16 x 9 x 0,10
	Coverage	87%
Jacket	Material	Halogen-free M1
	Color	Black
	Diameter	6,15 ± 0,10

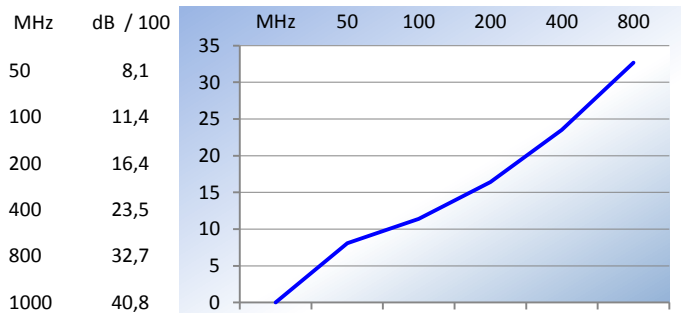


Weight kg / km 41,5
Standards IEC 60754.1 - ROHS

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	160,0
Shield Resistance	Ohm/km	12,0
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 55
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item I037ZH
Description RG 11/U IEC 60754.1
Application Video-equipment systems 75 OHM impedance also for long distances. Use this cable where a LSZH sheath is required.

Construction

Ineer Conductor	Material	Tinned Copper
	Type	Stranded
	n x mm	7 x 0,40
Dielectric	Material	Polyethylene
	Color	Transparent
	Diameter	7,25 ± 0,05
Shield	Material	Bare Copper
	Costruction	24 x 12 x 0,10
	Coverage	90%
Jacket	Material	Halogen-free M1
	Color	Black
	Diameter	10,30 ± 0,10

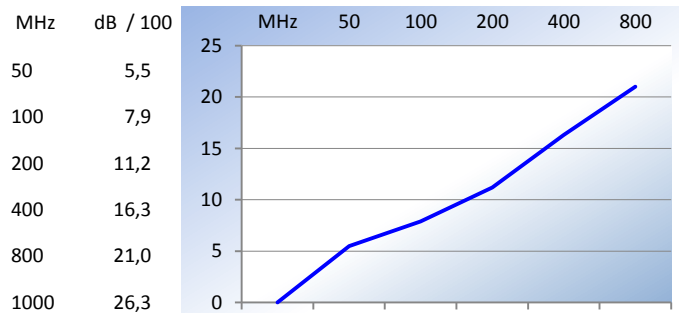


Weight kg / km 155,0
Standards IEC 60754.1 - ROHS

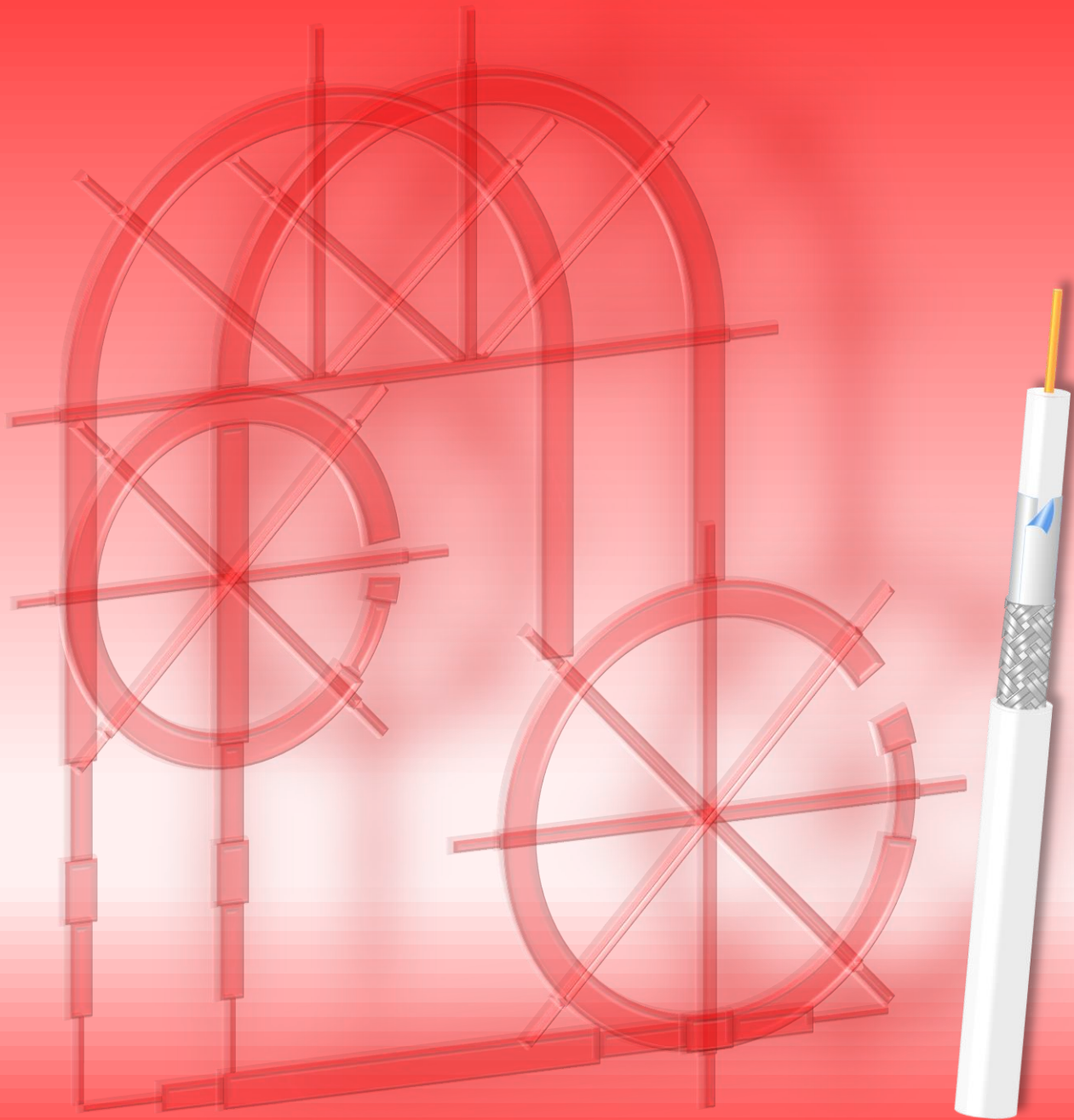
Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm/km	21,0
Shield Resistance	Ohm/km	3,2
Return Loss 100-300 MHz	dB	> 35
Return Loss 300-900 MHz	dB	> 30
Screening Efficiency 100-900 MHz	dB	> 60
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



COAXIAL CABLES SAT



CATALOGUE 141

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Item	I458
Description	S 12
Application	For the connection of satellite and digital TV reception equipment

Item	I457
Description	S 10
Application	For the connection of satellite and digital TV reception equipment

Construction

Inner Conductor	Material	Copperweld
	Type	1 x 0.80
Dielectric	Material	Polyethylene Foam G.I.
	mm	3,40 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12
	Coverage	100%
	Material	Alluminio
	n x n x mm	16 x 4 x 0,12
	Coverage	60%
	Material	Polyester foil
Jacket	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	5,00 ± 0,10



Construction

Inner Conductor	Material	Copperweld
	Type	1 x 0.80
Dielectric	Material	Polyethylene Foam G.I.
	mm	3,40 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12
	Coverage	100%
	Material	Alluminio
	n x n x mm	16 x 7 x 0,12
	Coverage	85%
	Material	Polyester foil
Jacket	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	5,00 ± 0,10



Weight	kg / km	22,5
Standards	ROHS - CEI 46-1	

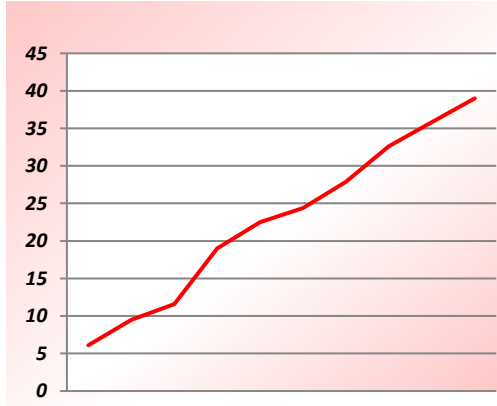
Weight	kg / km	24,0
Standards	ROHS - CEI 46-1	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	52
Velocity Ratio	%	83
Inner Conductor Resistance	Ohm/km	190,0
Shield Resistance	Ohm/km	33,0
Return Loss 100-300 MHz	dB	> 22
Return Loss 300-900 MHz	dB	> 20
Return Loss 900-2150 MHz	dB	> 18
Screening Efficiency 100-900 MHz	dB	> 85
Screening Efficiency 900-2150 MHz	dB	> 85
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
5	6,1
10	9,5
230	11,6
470	19,0
600	22,5
860	24,4
1000	27,9
1350	32,6
1750	35,8
2050	39,0

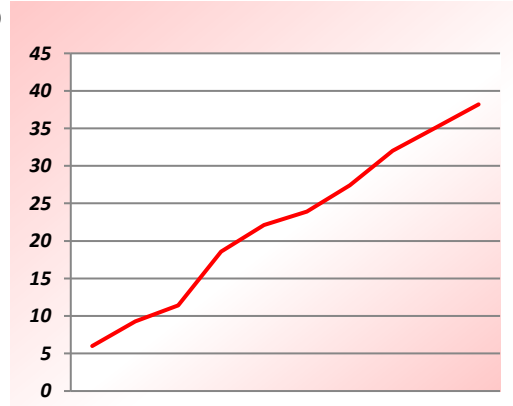


Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	52
Velocity Ratio	%	83
Inner Conductor Resistance	Ohm/km	190,0
Shield Resistance	Ohm/km	20,0
Return Loss 100-300 MHz	dB	> 22
Return Loss 300-900 MHz	dB	> 20
Return Loss 900-2150 MHz	dB	> 18
Screening Efficiency 100-900 MHz	dB	> 85
Screening Efficiency 900-2150 MHz	dB	> 85
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
5	6,0
10	9,3
230	11,4
470	18,6
600	22,1
860	23,9
1000	27,4
1350	32,0
1750	35,1
2050	38,2



Item	I450
Description	S 40
Application	For the connection of satellite and digital TV reception equipment

Item	I451
Description	S 60
Application	For the connection of satellite and digital TV reception equipment

Construction

Inner Conductor	Material	Copperweld
	Type	1 x 1.00
Dielectric	Material	Polyethylene Foam G.I.
	mm	4,80 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12
	Coverage	100%
	Material	Alluminio
	n x n x mm	16 x 3 x 0,12
	Coverage	40%
Jacket	Material	Polyester foil
	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	6,80 ± 0,10



Construction

Inner Conductor	Material	Copperweld
	Type	1 x 1.00
Dielectric	Material	Polyethylene Foam G.I.
	mm	4,80 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12
	Coverage	100%
	Material	Alluminio
	n x n x mm	16 x 4 x 0,16
	Coverage	57%
Jacket	Material	Polyester foil
	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	6,80 ± 0,10



Weight	kg / km	40,0
Standards	ROHS - CEI 46-1	

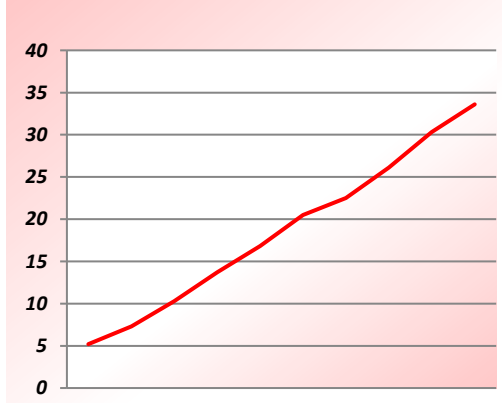
Weight	kg / km	43,0
Standards	ROHS - CEI 46-1	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	53
Velocity Ratio	%	82
Inner Conductor Resistance	Ohm/km	120,0
Shield Resistance	Ohm/km	50,0
Return Loss 100-300 MHz	dB	> 22
Return Loss 300-900 MHz	dB	> 20
Return Loss 900-2150 MHz	dB	> 18
Screening Efficiency 100-900 MHz	dB	> 70
Screening Efficiency 900-2150 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
5	5,2
10	7,3
230	10,3
470	13,7
600	16,8
860	20,5
1000	22,5
1350	26,1
1750	30,3
2050	33,6

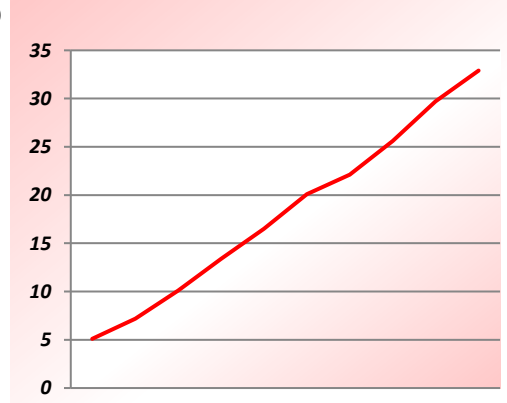


Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	53
Velocity Ratio	%	82
Inner Conductor Resistance	Ohm/km	120,0
Shield Resistance	Ohm/km	21,0
Return Loss 100-300 MHz	dB	> 22
Return Loss 300-900 MHz	dB	> 20
Return Loss 900-2150 MHz	dB	> 18
Screening Efficiency 100-900 MHz	dB	> 85
Screening Efficiency 900-2150 MHz	dB	> 85
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
5	5,1
10	7,2
230	10,1
470	13,4
600	16,5
860	20,1
1000	22,1
1350	25,6
1750	29,7
2050	32,9



213 COAXIAL CABLE SAT G.I.

Item	I437
Description	42/PH/45
Application	For the connection of satellite and digital TV reception equipment

Construction

Inner Conductor	Material	Copperweld
	Type	1 x 0.40
Dielectric	Material	Polyethylene Foam G.I.
	mm	1,80 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12/9
	Coverage	100%
	Material	Tinned Copper
	n x n x mm	16 x 3 x 0,10
	Coverage	62%
Jacket	Material	Polyester foil
	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	3,60 ± 0,10



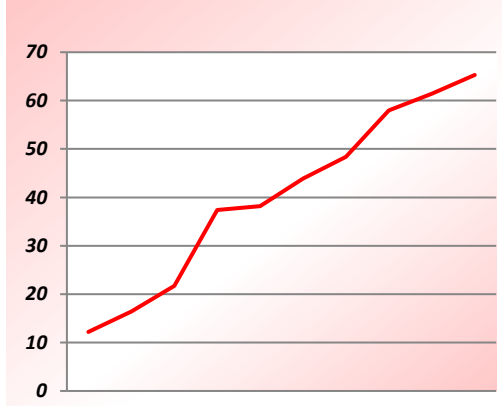
Weight	kg / km	17,5
Standards	ROHS - CEI 46-1	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	55
Velocity Ratio	%	81
Inner Conductor Resistance	Ohm/km	324,0
Shield Resistance	Ohm/km	47,0
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 25
Return Loss 900-2150 MHz	dB	> 20
Screening Efficiency 100-900 MHz	dB	> 75
Screening Efficiency 900-2150 MHz	dB	> 75
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
5	12,2
10	16,4
230	21,7
470	37,4
600	38,2
860	43,9
1000	48,4
1350	58,0
1750	61,4
2050	65,3



Item	I401
Description	23/PH/45
Application	For the connection of satellite and digital TV reception equipment

Construction

Inner Conductor	Material	Bare Copper
	Type	1 x 0.80
Dielectric	Material	Polyethylene Foam G.I.
	mm	3,40 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12/9
	Coverage	100%
	Material	Tinned Copper
	n x n x mm	16 x 3,5 x 0,10
	Coverage	50%
Jacket	Material	Polyester foil
	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	5,00 ± 0,10



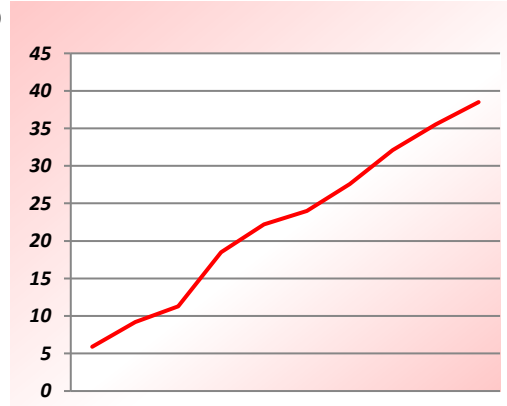
Weight	kg / km	29,0
Standards	ROHS - CEI 46-1	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	52
Velocity Ratio	%	83
Inner Conductor Resistance	Ohm/km	39,0
Shield Resistance	Ohm/km	30,5
Return Loss 100-300 MHz	dB	> 23
Return Loss 300-900 MHz	dB	> 22
Return Loss 900-2150 MHz	dB	> 18
Screening Efficiency 100-900 MHz	dB	> 75
Screening Efficiency 900-2150 MHz	dB	> 75
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
5	5,9
10	9,2
230	11,3
470	18,5
600	22,2
860	24,0
1000	27,6
1350	32,1
1750	35,5
2050	38,5
2150	39,0
2400	43,7



213 COAXIAL CABLE SAT G.I.

Item	I404
Description	17/PH/45
Application	For the connection of satellite and digital TV reception equipment

Construction

Inner Conductor	Material	Bare Copper
	Type	1 x 1.13
Dielectric	Material	Polyethylene Foam G.I.
	mm	4,80 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12/9
	Coverage	100%
	Material	Tinned Copper
	n x n x mm	16 x 4 x 0,10
	Coverage	40%
Jacket	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	6,80 ± 0,10

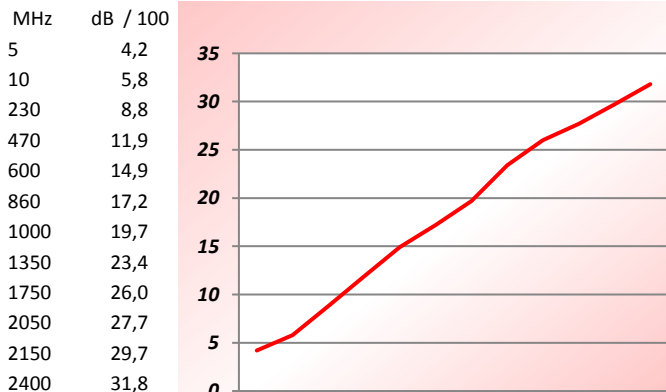


Weight	kg / km	46,0
Standards		ROHS - CEI 46-1

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	51
Velocity Ratio	%	84
Inner Conductor Resistance	Ohm/km	18,0
Shield Resistance	Ohm/km	33,0
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 25
Return Loss 900-2150 MHz	dB	> 22
Screening Efficiency 100-900 MHz	dB	> 75
Screening Efficiency 900-2150 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



Item	I407
Description	23/PH/80
Application	For the connection of satellite and digital TV reception equipment

Item	I410
Description	17/PH/80
Application	For the connection of satellite and digital TV reception equipment

Construction

Inner Conductor	Material	Bare Copper
	Type	1 x 0.80
Dielectric	Material	Polyethylene Foam G.I.
	mm	3,40 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12/9
	Coverage	100%
	Material	Tinned Copper
	n x n x mm	16 x 7 x 0,10
	Coverage	76%
Jacket	Material	Polyester foil
	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	5,00 ± 0,10
	I407/BL	Blue RAL 5015
	I407/G	Yellow RAL 1021
	I407/R	Red RAL 3000
	I407/V	Green RAL 6016
	I407/N	Black RAL 9005
	Weight	kg / km
Standards	ROHS - CEI 46-1	



Construction

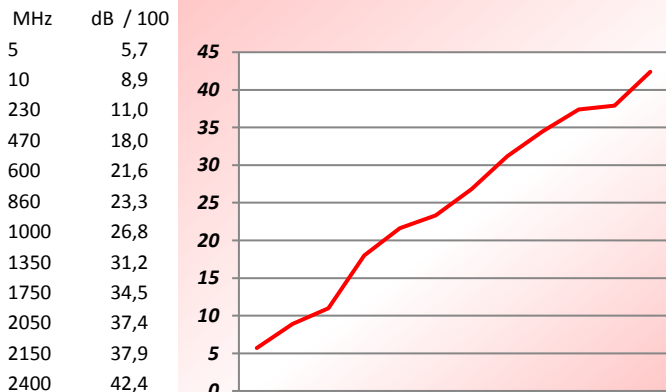
Inner Conductor	Material	Bare Copper
	Type	1 x 1.13
Dielectric	Material	Polyethylene Foam G.I.
	mm	4,80 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12/9
	Coverage	100%
	Material	Tinned Copper
	n x n x mm	24 x 7 x 0,10
	Coverage	80%
Jacket	Material	Polyester foil
	Material	Polyvinylchloride 70 Shore
	Color	White RAL 9010
	mm	6,80 ± 0,10
Weight	kg / km	53,0
Standards	ROHS - CEI 46-1	



Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	52
Velocity Ratio	%	83
Inner Conductor Resistance	Ohm/km	39,0
Shield Resistance	Ohm/km	20,0
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 25
Return Loss 900-2150 MHz	dB	> 20
Screening Efficiency 100-900 MHz	dB	> 90
Screening Efficiency 900-2150 MHz	dB	> 90
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

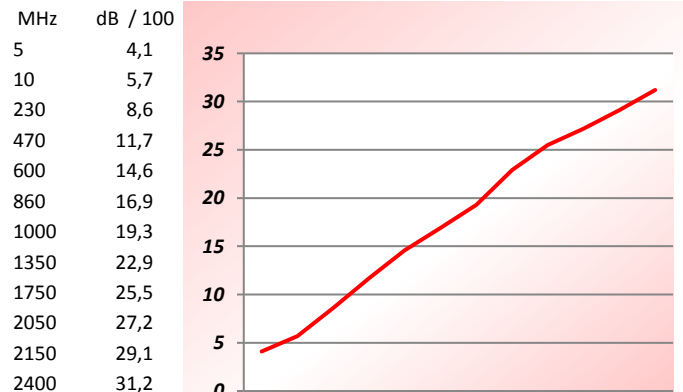
Nominal attenuations @ 20°C



Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	51
Velocity Ratio	%	86
Inner Conductor Resistance	Ohm/km	17,0
Shield Resistance	Ohm/km	15,0
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 25
Return Loss 900-2150 MHz	dB	> 22
Screening Efficiency 100-900 MHz	dB	> 85
Screening Efficiency 900-2150 MHz	dB	> 75
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C



215 SPECIAL COAXIAL CABLE SAT

Item	I404/C/ZH
Description	17/PH/45 LSZH
Application	For the connection of satellite and digital TV reception equipment. Use this cable where a LSZH sheath is required.

Construction

Inner Conductor	Material	Bare Copper
	Type	1 x 1.13
Dielectric	Material	Polyethylene Foam G.I.
	mm	4,80 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12/9
	Coverage	100%
	Material	Tinned Copper
	n x n x mm	16 x 4 x 0,10
	Coverage	40%
Jacket	Material	Halogen-free M1
	Color	Grey RAL 7001
	mm	6,80 ± 0,10



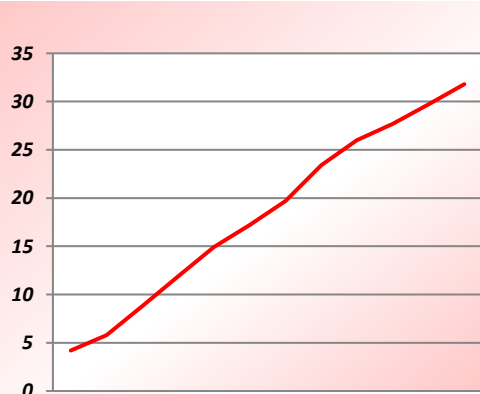
Weight	kg / km	46,0
Standards	ROHS - CEI 46-1 - IEC 60754.1	

Technical Data

Impedance	Ohm	75 ± 3
Capacity	pF/m	51
Velocity Ratio	%	84
Inner Conductor Resistance	Ohm/km	18,0
Shield Resistance	Ohm/km	33,0
Perdite di Rifl. 300 MHz	dB	> 30
Perdite di Rifl 900 MHz	dB	> 25
Perdite di Rifl 2150 MHz	dB	> 22
Screening Efficiency 100-900 MHz	dB	> 75
Screening Efficiency 900-2150 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
5	4,2
10	5,8
230	8,8
470	11,9
600	14,9
860	17,2
1000	19,7
1350	23,4
1750	26,0
2050	27,7
2150	29,7
2400	31,8



Item	I447
Description	17/PH/45 PE
Application	For the connection of satellite and digital TV reception equipment. Suitable for underground installation and in water stagnation areas.

Construction

Inner Conductor	Material	Bare Copper
	Type	1 x 1.13
Dielectric	Material	Polyethylene Foam G.I.
	mm	4,80 ± 0,05
	Color	White
Shield	Material	Aluminium / PET foil
	μ	9/12/9
	Coverage	100%
	Material	Tinned Copper
	n x n x mm	16 x 4 x 0,10
	Coverage	40%
Jacket	Material	Polyester foil
	Material	Polyethylene
	Color	Black RAL 9005
	mm	6,80 ± 0,10



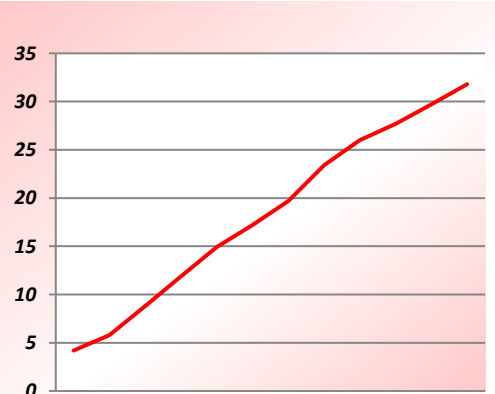
Weight	kg / km	40,0
Standards	ROHS - CEI 46-1	

Technical Data

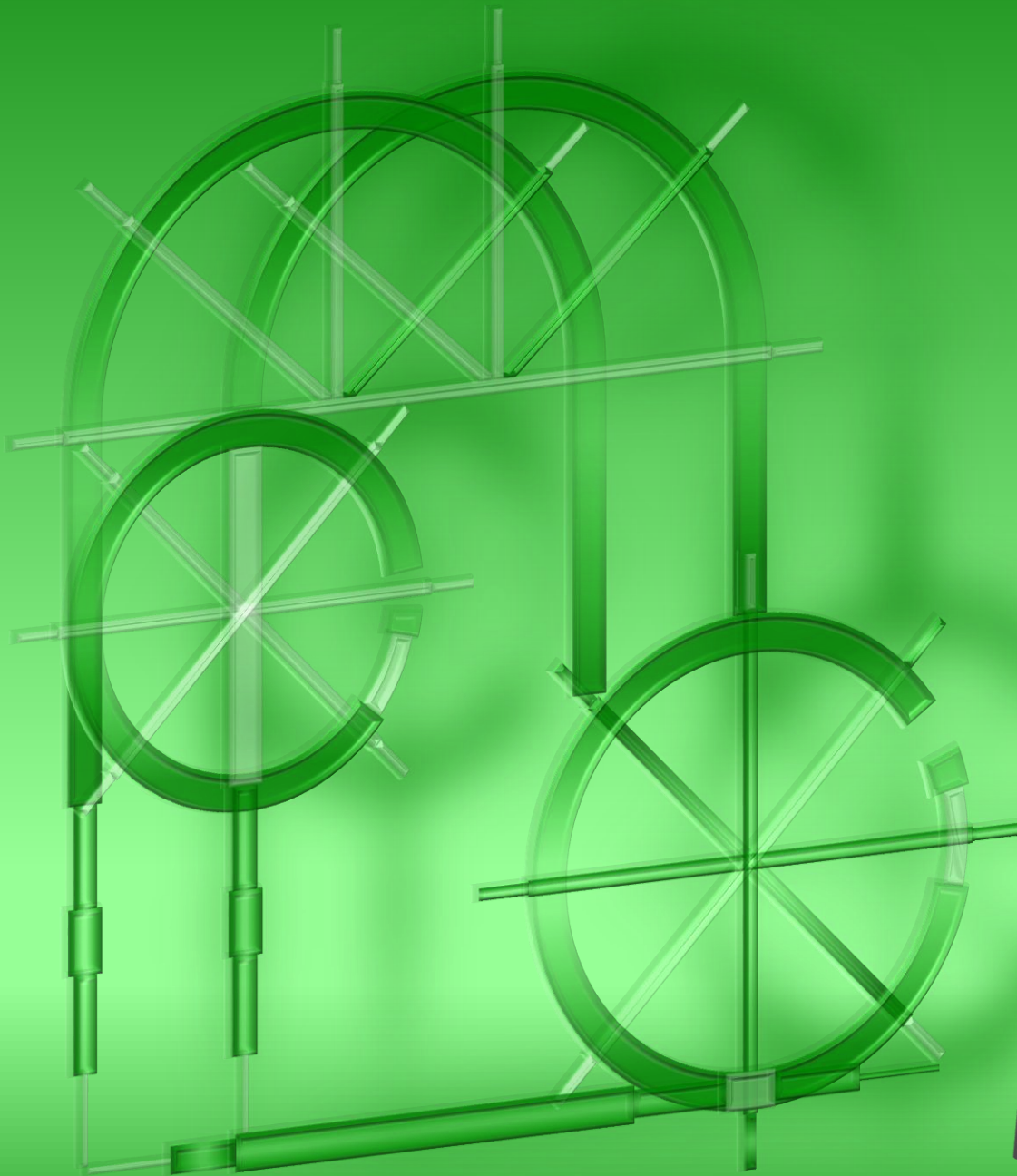
Impedance	Ohm	75 ± 3
Capacity	pF/m	51
Velocity Ratio	%	84
Inner Conductor Resistance	Ohm/km	18,0
Shield Resistance	Ohm/km	33,0
Return Loss 100-300 MHz	dB	> 30
Return Loss 300-900 MHz	dB	> 25
Return Loss 900-2150 MHz	dB	> 22
Screening Efficiency 100-900 MHz	dB	> 75
Screening Efficiency 900-2150 MHz	dB	> 70
Temperature Range	Fixed Install.	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Install.	10 x Diameter

Nominal attenuations @ 20°C

MHz	dB / 100
5	4,2
10	5,8
230	8,8
470	11,9
600	14,9
860	17,2
1000	19,7
1350	23,4
1750	26,0
2050	27,7
2150	29,7
2400	31,8



ELECTRONIC



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G021	LI-YZ RED-BLACK LOUDSPEAKER 2x0.35	3.04
G022	LI-YZ RED-BLACK LOUDSPEAKER 2x0.50	3.04
G023	LI-YZ RED-BLACK LOUDSPEAKER 2x0.75	3.04
G024	LI-YZ RED-BLACK LOUDSPEAKER 2x1.00	3.04
G025	LI-YZ RED-BLACK LOUDSPEAKER 2x1.50	3.04
G026	LI-YZ RED-BLACK LOUDSPEAKER 2x2.00	3.04
G043	LI-YZ RED-BLACK LOUDSPEAKER 2x2.50	3.04
G070	LI-YZ RED-BLACK LOUDSPEAKER 2x4.00	3.04
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G021ZH	LI-HZ RED-BLACK LOUDSPEAKER 2x0.35 LSZH IEC 60754/1	3.04
G022ZH	LI-HZ RED-BLACK LOUDSPEAKER 2x0.50 LSZH IEC 60754/1	3.04
G023ZH	LI-HZ RED-BLACK LOUDSPEAKER 2x0.75 LSZH IEC 60754/1	3.04
G024ZH	LI-HZ RED-BLACK LOUDSPEAKER 2x1.00 LSZH IEC 60754/1	3.04
G025ZH	LI-HZ RED-BLACK LOUDSPEAKER 2x1.50 LSZH IEC 60754/1	3.04
G026ZH	LI-HZ RED-BLACK LOUDSPEAKER 2x2.00 LSZH IEC 60754/1	3.04
G043ZH	LI-HZ RED-BLACK LOUDSPEAKER 2x2.50 LSZH IEC 60754/1	3.04
G070ZH	LI-HZ RED-BLACK LOUDSPEAKER 2x4.00 LSZH IEC 60754/1	3.04
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G150	LFZ-XY TRANSPARENT LOUDSPEAKER 2x0.50	3.05
G063	LFZ-XY TRANSPARENT LOUDSPEAKER 2x0.75	3.05
G040	LFZ-XY TRANSPARENT LOUDSPEAKER 2x1.00	3.05
G156	LFZ-XY TRANSPARENT LOUDSPEAKER 2x1.50	3.05
G042	LFZ-XY TRANSPARENT LOUDSPEAKER 2x2.00	3.05
G163	LFZ-XY TRANSPARENT LOUDSPEAKER 2x2.50	3.05
G044	LFZ-XY TRANSPARENT LOUDSPEAKER 2x3.00	3.05
312	LFZ-XY HF TRANSPARENT LOUDSPEAKER CLASS 6	
G049	LFZ-XY HF TRANSPARENT LOUDSPEAKER 2x1.00 CLASS 6	3.05
G050	LFZ-XY HF TRANSPARENT LOUDSPEAKER 2x1.50 CLASS 6	3.05
G039	LFZ-XY HF TRANSPARENT LOUDSPEAKER 2x2.00 CLASS 6	3.05
G051	LFZ-XY HF TRANSPARENT LOUDSPEAKER 2x2.50 CLASS 6	3.05
G052	LFZ-XY HF TRANSPARENT LOUDSPEAKER 2x4.00 CLASS 6	3.05
351	(N)YFAZ PVC - FLAT CABLE	
NYFAZ050	(N)YFAZ WHITE PVC FLAT CABLE 2x0.50	3.06
NYFAZ075	(N)YFAZ WHITE PVC FLAT CABLE 2x0.75	3.06
NYFAZ100	(N)YFAZ WHITE PVC FLAT CABLE 2x1.00	3.06
NYFAZ150	(N)YFAZ WHITE PVC FLAT CABLE 2x1.50	3.06
NYFAZ250	(N)YFAZ WHITE PVC FLAT CABLE 2x2.50	3.06
NYFAZ400	(N)YFAZ WHITE PVC FLAT CABLE 2x4.00	3.06
739	03VVH2-F PVC - SHEATED WIRE FLAT	
E2X0050P	03VVH2-F BLACK FLAT CABLE 2x0.50	3.06
E2X0050P/B	03VVH2-F WHITE FLAT CABLE 2x0.50	3.06
E2X0075P	03VVH2-F BLACK FLAT CABLE 2x0.75	3.06
E2X0075P/B	03VVH2-F WHITE FLAT CABLE 2x0.75	3.06

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Productgr. Item	Description	Page
314	FLAT TELEPHONIC CABLE	
G064	BLACK FLAT TELEPHONIC CABLE 4 POLE	3.07
G064/A	WHITE FLAT TELEPHONIC CABLE 4 POLE	3.07
G064/B	IVORY FLAT TELEPHONIC CABLE 4 POLE	3.07
G065	BLACK FLAT TELEPHONIC CABLE 6 POLE	3.07
G065/B	IVORY FLAT TELEPHONIC CABLE 6 POLE	3.07
G066	BLACK FLAT TELEPHONIC CABLE 8 POLE	3.07
G066/B	IVORY FLAT TELEPHONIC CABLE 8 POLE	3.07
331	SHIELDED FLAT AUDIO CABLE	
G067	BLACK SHIELDED FLAT AUDIO MICRO CABLE 2x0.08	3.07
G061	BLACK SHIELDED FLAT AUDIO CABLE 2x0.08	3.07
G056	BLACK SHIELDED FLAT AUDIO CABLE 2x0.14	3.07
G057	BLACK SHIELDED FLAT AUDIO CABLE 4x0.14	3.07
G011	BLACK SHIELDED FLAT AUDIO CABLE 2x0.25	3.07
G012	BLACK SHIELDED FLAT AUDIO CABLE 2x0.35	3.07
332	AUDIO VIDEO CABLE	
I032	BLACK AUDIO VIDEO CABLE 3x75 OHM + 3x0.14	3.08
G152	BLACK FLAT AUDIO VIDEO CABLE 1x75 OHM + 2x0.14	3.08
G161/BL	BLUE FLEXIBLE MINI COAXIAL CABLE 75 OHM	3.09
G161/N	BLACK FLEXIBLE MINI COAXIAL CABLE 75 OHM	3.09
G162	BLACK VIDEO CABLE 2x75 OHM	3.09
I220	BLACK VGA AUDIO VIDEO CABLE 3x75 OHM + 5x0.08	3.10
I269	BLACK RGB VIDEO CABLE 5x75 OHM	3.10
I188	BLACK FLAT VIDEO CABLE 3x75 OHM	3.11
I287/N	BLACK FLEXIBLE MICRO COAXIAL CABLE 75 OHM	3.11
I291	BLACK AUDIO VIDEO CABLE 1x75 OHM + 2x0.22	3.12
I189	BLACK AUDIO VIDEO CABLE 1x75 OHM + 2x0.50	3.12
Z0990	BLACK AUDIO VIDEO CABLE 1x75 OHM + 2x0.50	3.13
Z0358	BLACK AUDIO VIDEO CABLE 3x75 OHM + (4x0.14 SHIELDED)	3.13

311 LI-YZ LOUDSPEAKER

Application Suitable in dry locations for connections in communication technology, mainly for HIFI applications such as loudspeaker connecting cables.



Construction

Item	Cores Section mm ²	Inner Conductor Material	Construction (Approx.) Nr / Ø mm	Material	Insulation Color	Dimensions (Approx.) mm	Weight kg / km	Inner Conductor Resistance Ohm / km
G084	2 x 0,25	Bare Copper	8 x 0,20	Polyvinylchloride	Red - Black	1,50 x 3,00	9,5	78,0
G021	2 x 0,35		11 x 0,20			1,70 x 3,40	12,0	57,0
G022	2 x 0,50		16 x 0,20			2,00 x 4,10	16,5	39,0
G023	2 x 0,75		24 x 0,20			2,20 x 4,40	22,5	26,0
G024	2 x 1,00		30 x 0,20			2,45 x 4,90	27,5	19,5
G025	2 x 1,50		30 x 0,25			2,90 x 5,90	41,0	13,3
G026	2 x 2,00		40 x 0,25			3,20 x 6,50	54,0	9,4
G043	2 x 2,50		50 x 0,25			3,60 x 7,30	67,0	8,0
G070	2 x 4,00		50 x 0,30			4,70 x 9,40	100,0	5,0

Standards

Inner Conductor	Bare Copper	EN 60228 Cl. 5
Insulation	Polyvinylchloride TM2 (YM2)	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

311 LI-HZ LOUDSPEAKER IEC 60754.1

Application Suitable in dry locations for connections in communication technology, mainly for HIFI applications such as loudspeaker connecting cables. Use this cable where a LSZH compound is required.



Construction

Item	Cores Section mm ²	Inner Conductor Material	Construction (Approx.) Nr / Ø mm	Material	Insulation Color	Dimensions (Approx.) mm	Weight kg / km	Inner Conductor Resistance Ohm / km
G084	2 x 0,25	Bare Copper	8 x 0,20	Halogen-free M1	Red - Black	1,50 x 3,00	9,5	78,0
G021	2 x 0,35		11 x 0,20			1,70 x 3,40	12,0	57,0
G022	2 x 0,50		16 x 0,20			2,00 x 4,10	16,5	39,0
G023	2 x 0,75		24 x 0,20			2,20 x 4,40	22,5	26,0
G024	2 x 1,00		30 x 0,20			2,45 x 4,90	27,5	19,5
G025	2 x 1,50		30 x 0,25			2,90 x 5,90	41,0	13,3
G026	2 x 2,00		40 x 0,25			3,20 x 6,50	54,0	9,4
G043	2 x 2,50		50 x 0,25			3,60 x 7,30	67,0	8,0
G070	2 x 4,00		50 x 0,30			4,70 x 9,40	100,0	5,0

Standards

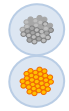
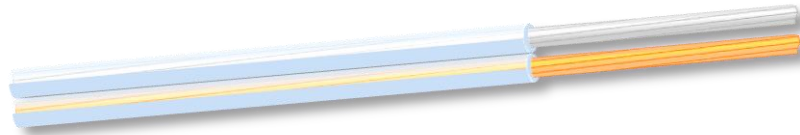
Inner Conductor	Bare Copper	EN 60228 Cl. 5
Insulation	Halogen-free M1	EN 50363-8
Halogen Free	IEC 60754.1 - IEC 60754.2	EN 61034.2
Fire behaviour		IEC 60332.3A

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

311 LFZ-XY LOUDSPEAKER

Application Suitable in dry locations for connections in communication technology. The construction and the materials make particularly suitable it for HOME HI-FI applications as connecting cable for loudspeakers.



Construction

Item	Cores Section mm ²	Inner Conductor Material	Construction (Approx.) Nr / Ø mm	Material	Insulation Color	Dimensions (Approx.) mm	Weight kg / km	Inner Conductor Resistance Ohm / km
G150	2 x 0,50	Bare Copper	16 x 0,20	Polyvinylchloride	Transparent	2,00 x 4,10	16,5	39,0
G063	2 x 0,75	/	24 x 0,20			2,20 x 4,40	22,5	26,0
G040	2 x 1,00	Tinned Copper	30 x 0,20			2,45 x 4,90	27,5	19,5
G156	2 x 1,50		45 x 0,20			2,90 x 5,90	41,0	13,3
G042	2 x 2,00		60 x 0,20			3,20 x 6,50	54,0	9,4
G163	2 x 2,50		75 x 0,20			3,60 x 7,30	67,0	8,0
G044	2 x 3,00		90 x 0,20			3,90 x 7,90	80,0	6,8

Standards

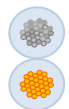
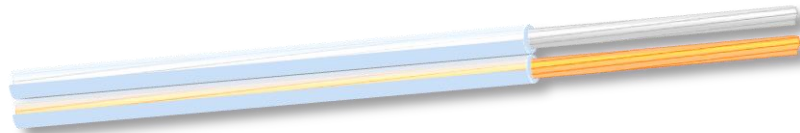
Inner Conductor	Bare Copper	EN 60228 Cl. 5
	Tinned Copper	EN 60228 Cl. 5
Insulation	Polyvinylchloride TM2 (YM2)	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

311 LFZ-XY HF LOUDSPEAKER Cl. 6

Application Suitable in dry locations for connections in communication technology. The construction and the materials make particularly suitable it for HOME HI-FI applications as connecting cable for loudspeakers.



Construction

Item	Cores Section mm ²	Inner Conductor Material	Construction (Approx.) Nr / Ø mm	Material	Insulation Color	Dimensions (Approx.) mm	Weight kg / km	Inner Conductor Resistance Ohm / km
G049	2 x 1,00	Bare Copper	7 x 18 x 0,10	Polyvinylchloride	Transparent	2,45 x 4,90	28,0	18,0
G050	2 x 1,50	/	7 x 27 x 0,10			2,90 x 5,90	40,0	12,0
G039	2 x 2,00	Tinned Copper	7 x 36 x 0,10			3,20 x 6,50	50,0	9,0
G051	2 x 2,50		7 x 45 x 0,10			3,60 x 7,30	68,0	7,2
G041	2 x 3,00		7 x 53 x 0,10			3,90 x 7,90	80,0	6,1
G052	2 x 4,00		7 x 70 x 0,10			4,70 x 9,40	100,0	4,6

Standards

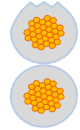
Inner Conductor	Bare Copper	EN 60228 Cl. 6
	Tinned Copper	EN 60228 Cl. 6
Insulation	Polyvinylchloride TM2 (YM2)	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

351 (N)YFAZ PVC - FLAT CABLE

Application In dry areas for the supply of mobile power consumers at very low mechanical stresses such as light electrical hand tools and lighting applications.



Construction

Item	Cores Section mm ²	Inner Conductor Material	Construction (Approx.) Nr / Ø mm	Material	Insulation Color	Dimensions (Approx.) mm	Weight kg / km	Inner Conductor Resistance Ohm / km
NYFAZ050	2 x 0,50	Bare Copper	16 x 0,20	Polyvinylchloride	White	2,00 x 4,10	16,5	39,0
NYFAZ075	2 x 0,75		24 x 0,20			2,20 x 4,40	22,5	26,0
NYFAZ100	2 x 1,00		30 x 0,20			2,45 x 4,90	27,5	19,5
NYFAZ150	2 x 1,50		30 x 0,25			2,90 x 5,90	41,0	13,3
NYFAZ250	2 x 2,50		50 x 0,25			3,60 x 7,30	67,0	8,0
NYFAZ400	2 x 4,00		50 x 0,30			4,70 x 9,40	100,0	5,0

Standards

Inner Conductor	Bare Copper	EN 60228 Cl. 5
Insulation	Polyvinylchloride TM2 (YM2)	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

351 03VVH2-F PVC - FLAT CABLE

Application In dry areas for the supply of mobile power consumers at very low mechanical stresses such as radio sets, lighting equipment, but not for heaters.



Construction

Item	Cores Section mm ²	Inner Conductor Material	Construction (Approx.) Nr / Ø mm	Material	Insulation Color	Diameter mm	Jacket Material	Jacket Dimensions (Approx.) mm	Color	Weight kg / km	Inner Conductor Resistance Ohm / km
E2X0050P	2 x 0,50	Bare Copper	16 x 0,20	PVC	Blue - Brown	1,65	PVC	3,20 x 5,20	Black	16,5	39,0
E2X0050P/B	2 x 0,50		16 x 0,20			1,65		3,20 x 5,20	White	16,5	39,0
E2X0075P	2 x 0,75		24 x 0,20			1,90		3,50 x 5,50	Black	22,5	26,0
E2X0075P/B	2 x 0,75		24 x 0,20			1,90		3,50 x 5,50	White	22,5	26,0

Standards

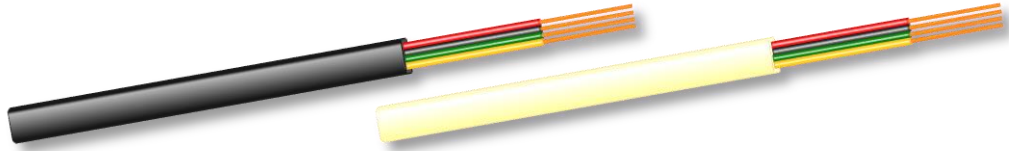
Inner Conductor	Bare Copper	EN 60228 Cl. 5
Insulation	Polyvinylchloride TI2 (YI2)	EN 50363-3
Core Identification		HD 308 S2
Jacket	Polyvinylchloride TM2 (YM2)	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	6 x Außendurch
Kurzschlußdauer	max in [sec]	5

314 TELEPHONIC FLAT CABLE

Application Connecting the telephone system. It's not a Category 5 cable.
Please do not use for the connection of computers.



Construction

Item	Cores Section mm ²	Inner Conductor		Insulation		Jacket		Weight kg / km	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Material	Color	Diameter mm	Color	Dimensions (Approx.) mm		
G064	4 x AWG28	7 x 0,13	Polyethylene	see notes	0,95	Black	2.50 x 5.00	15,5	218,0
G064/A	4 x AWG28			below		White	2.50 x 5.00	15,5	
G064/B	4 x AWG28					Ivory	2.50 x 5.00	15,5	
G065	6 x AWG28					Black	2.50 x 6.80	19,0	
G065/B	6 x AWG28					Ivory	2.50 x 6.80	19,0	
G066	8 x AWG28					Black	2.50 x 8.80	25,0	
G066/B	8 x AWG28					Ivory	2.50 x 8.80	25,0	

Standards

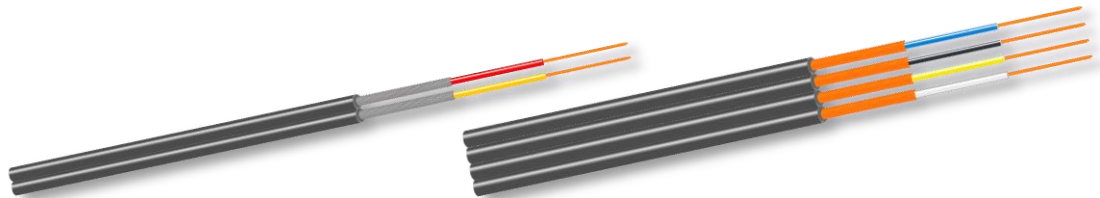
Inner Conductor	Bare Copper
Insulation	Polyethylene
Colors	
4 x AWG28	Brown - Red - White - Blue
6 x AWG28	Blue - Yellow - Green - Red - Black - White
8 x AWG28	Blue-Yellow-Green-Red-Black-White-Brown-Orange
Jacket	Polyvinylchloride TM2 (YM2) EN 50363-4-1
Fire behaviour	IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

331 SHIELDED FLAT CABLE

Application Connecting micro-headphones for MP3 players.
Transmission of stereo signals for audio systems in the houses.



Construction

Item	Cores Section mm ²	Inner Conductor		Diameter mm	Color	Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color			Dimensions (Approx.) mm	Color			
G067	2 x 0,08	10 x 0,10	Red - Yellow	0,90	Black	2,00 x 3,90	13,0	41,0	220,0	
G061	2 x 0,08	10 x 0,10	Red - Transparent	1,05	Black	2,30 x 4,70	18,5	39,0	220,0	
G056	2 x 0,14	18 x 0,10	Red - Yellow	1,05	Black	3,00 x 6,00	24,0	39,0	132,0	
G011	2 x 0,25	8 x 0,20	Red - Yellow	1,70	Black	3,80 x 7,70	41,0	38,0	78,0	
G012	2 x 0,35	11 x 0,20	Red - Yellow	1,70	Black	3,80 x 7,70	44,0	42,0	57,0	
G057	4 x 0,14	18 x 0,10	Blue - Black - Yellow - White	1,05	Black	3,00 x 12,60	51,0	39,0	132,0	

Standards

Inner Conductor	Bare Copper
Insulation	Polyethylene
Shield	Bare Copper, Spiral
Shield	Tinned Copper, Spiral
Jacket	Special PVC TM2 (YM2) 60 Shore EN 50363-4-1
Fire behaviour	IEC 60332-1-2

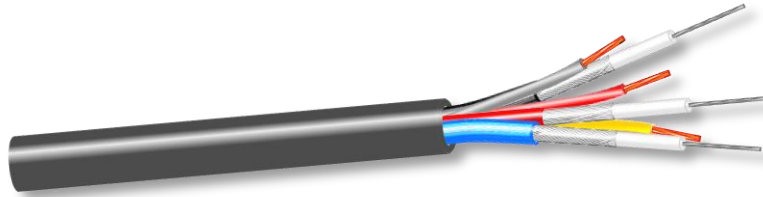
Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332

AUDIO VIDEO CABLE 3xKX75 + 3x0.14

Application Transmission of audio and video signal output from the satellite receiver to the television signal distribution box.



Construction

Item	Cores Section mm ²	Inner Conductor		Diameter mm	Color	Jacket Diameter (Approx.) mm	Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color						
1032					Black	7,20	40,0		
Video	3 x 0,08	10 x 0,10	White	1,20	Black	2,40		82,0	236,0
Signal	3 x 0,14	18 x 0,10	Yellow - Red - Grey	1,00	Red Blue	2,40 2,40			132,0

Standards

Video	Inner Conductor	Tinned Copper
	Insulation	Polyethylene Foam
	Shield	Tinned Copper, Braid
Jacket		PVC IEC 60332.3A
Signal	Inner Conductor	Bare Copper
	Insulation	PVC TM2 (YM2)
	Jacket	Special PVC TM2 (YM2) 60 Shore
Fire behaviour		EN 50363-4-1
		IEC 60332-1-2

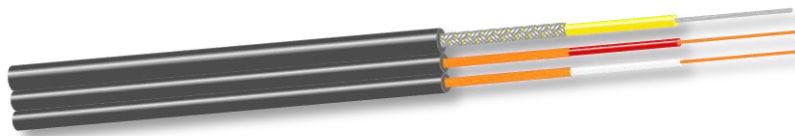
Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MΩm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332

FLAT AUDIO VIDEO CABLE KX75 + 2x0.14

Application Transmission of audio and video signal output from the satellite receiver to the television signal distribution box.



Construction

Item	Cores Section mm ²	Inner Conductor		Diameter mm	Color	Jacket Dimensions (Approx.) mm	Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color						
G152									
Video	1 x 0,10	12 x 0,10	Yellow	1,50	Black	3,40 x 10,30	46,0	64,0	197,0
Audio	2 x 0,14	18 x 0,10	White - Red	1,00				304,0	132,0

Standards

Video	Inner Conductor	Tinned Copper
	Insulation	Polyethylene Foam
	Shield	Tinned Copper, Spiral
Audio	Inner Conductor	Bare Copper
	Insulation	PVC TM2 (YM2)
	Shield	Bare Copper, Spiral
Jacket		Special PVC TM2 (YM2) 60 Shore
		EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MΩm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332 KX 75 (1.50/2.80)

Application Transmission of video signals for video cameras.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm			
G161/N	1 x 0,14	18 x 0,10	White	1,50	Black	2,80	14,5	80,0	138,0
G161/BL	1 x 0,14	18 x 0,10	White	1,50	Blue	2,80	14,5	80,0	138,0

Standards

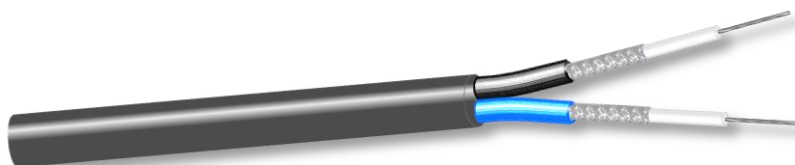
Inner Conductor	Tinned Copper	
Insulation	Polyethylene Foam	
Shield	Tinned Copper, Spiral	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332 2xKX 75 (1.50/2.80)

Application Transmission of video signals for video cameras.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm		Color	Diameter (Approx.) mm			
G162	2 x 0,14					Black	6,80	48,2		
G161/N	1 x 0,14	18 x 0,10	White	1,50	Black	2,80	14,5	80,0	138,0	
G161/BL	1 x 0,14	18 x 0,10	White	1,50	Blue	2,80	14,5	80,0	138,0	

Standards

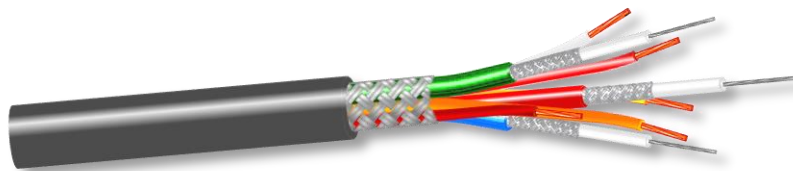
Inner Conductor	Tinned Copper	
Insulation	Polyethylene Foam	
Shield	Tinned Copper, Spiral	
Inner Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Outer Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332 VGA 3xKX75 + 5x0.08

Application Transmission of audio and video signal output from the satellite receiver to the television signal distribution box.



Construction

Item	Cores Section mm ²	Inner Conductor		Diameter mm	Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color		Color	Diameter (Approx.) mm			
I220					Black	7,80	86,0		
Video	3 x 0,14	18 x 0,10	White	1,50	Red-Green-Blue	2,80		80,0	138,0
Signal	3 x 0,10	10 x 0,10	Yellow - Red - Brown Orange - White	1,00					220,0

Standards

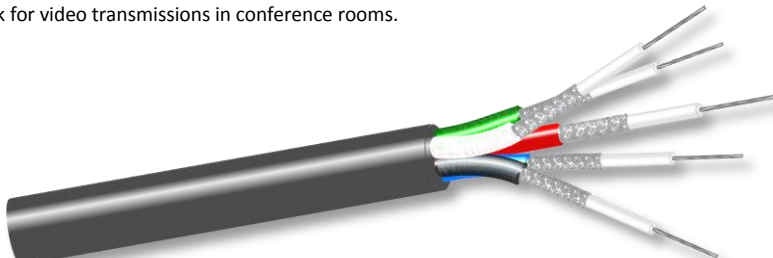
Video	Inner Conductor	Tinned Copper	
	Insulation	Polyethylene Foam	
	Shield	Tinned Copper, Braid	
	Jacket	PVC TM2	EN 50363-4-1
Signal	Inner Conductor	Bare Copper	
	Insulation	PVC T12	EN 50363-3
Shield	Tinned Copper, Braid		
Outer Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	
Fire behaviour		IEC 60332-1-2	

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332 RGB 5xKX75

Application Special link for video transmissions in conference rooms.



Construction

Item	Cores Section mm ²	Inner Conductor		Diameter mm	Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color		Color	Diameter (Approx.) mm			
I269					Black	9,80	107,0		
Video	3 x 0,14	18 x 0,10	White	1,50	Green-Blue-Red-White-Black	2,80		80,0	138,0

Standards

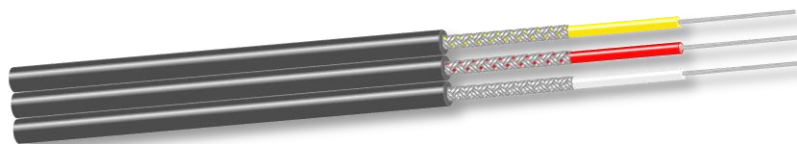
Video	Inner Conductor	Tinned Copper	
	Insulation	Polyethylene Foam	
	Shield	Tinned Copper, Braid	
	Jacket	PVC T12	EN 50363-4-1
Outer Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	
Fire behaviour		IEC 60332-1-2	

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332 FLAT VIDEO CABLE 3xKX75

Application Transmission of video signals for video cameras.



Construction

Item	Cores Section mm ²	Inner Conductor		Diameter mm	Color	Jacket Dimensions (Approx.) mm	Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color						
1188	3 x 0,10	12 x 0,10	Yellow - Red - White	1,50	Black	3,40 x 10,90	64,0	64,0	197,0

Standards

Video	Inner Conductor	Tinned Copper
	Insulation	Polyethylene Foam
	Shield	Tinned Copper, Braid
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332 KX 75 (1.20/2.40)

Application Transmission of video signals for video cameras.



Construction

Item	Cores Section mm ²	Inner Conductor		Diameter mm	Color	Jacket Dimensions (Approx.) mm	Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color						
1287/N	1 x 0,08	10 x 0,10	White	1,20	Black	2,40	7,6	82,0	236,0

Standards

Inner Conductor	Tinned Copper	
	Insulation	Polyethylene Foam
	Shield	Tinned Copper, Braid
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

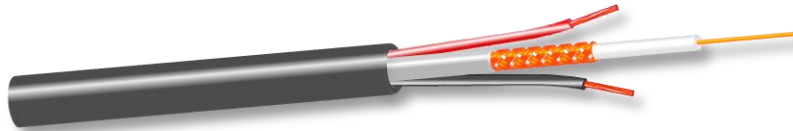
Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332

AUDIO VIDEO CABLE KX75 + 2x0.22

Application Supply and transmission of video signals for video cameras.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm			
I291									
Video	1 x 0,14	1 x 0,40	White	1,50	Black	5,10	35,0		138,0
Alimentation	2 x 0,22	7 x 0,20	Red - Black	1,00	Grey	2,80		67,0	87,0

Standards

Video	Inner Conductor	Bare Copper	
	Insulation	Polyethylene Foam	
	Shield	Bare Copper, Spiral	
	Jacket	PVC TM2	EN 50363-4-1
Alimentation	Inner Conductor	Bare Copper	
	Insulation	PVC T12	EN 50363-3
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	
Fire behaviour		IEC 60332-1-2	

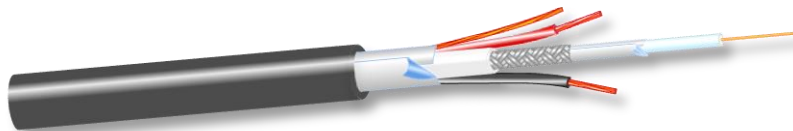
Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332

AUDIO VIDEO CABLE KX75 + 2x0.50

Application Supply and transmission of video signals for video cameras. This cable is protected from magnetic interferences with a shield in aluminium/PET.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm			
I189									
Video	1 x 0,14	1 x 0,40	Light Blue	1,80	Black	7,20	50,0		138,0
Alimentation	2 x 0,50	16 x 0,20	Red - Black	1,65	Grey	3,60		72,0	39,0

Standards

Video	Inner Conductor	Bare Copper	
	Insulation	Polyethylene Foam	
	Shield	Aluminium / PET foil	
	Jacket	PVC TM2	EN 50363-4-1
Alimentation	Inner Conductor	Bare Copper	
	Insulation	PVC T12	EN 50363-3
Shield	Aluminium / PET foil + Bare Copper, Stranded		
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	
Fire behaviour		IEC 60332-1-2	

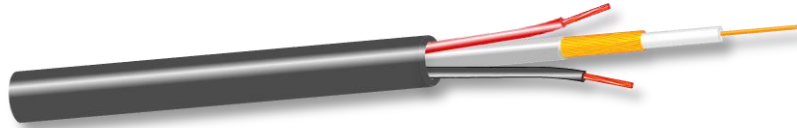
Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332

AUDIO VIDEO CABLE KX75 + 2x0.50

Application Supply and transmission of video signals for video cameras. This cable is protect from magnetic interferences with a shield in aluminium/PET.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm			
Z0990									
Video	1 x 0,14	1 x 0,40	White	1,50	Black	5,10	35,0		138,0
Alimentation	2 x 0,50	9 x 0,25	Red - Black	1,50	Grey	2,80		67,0	41,8

Standards

Video	Inner Conductor	Bare Copper	
	Insulation	Polyethylene Foam	
	Shield	Bare Copper, Spiral	
	Jacket	PVC TM2	EN 50363-4-1
Alimentation	Inner Conductor	Bare Copper	
	Insulation	PVC T12	EN 50363-3
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	
Fire behaviour		IEC 60332-1-2	

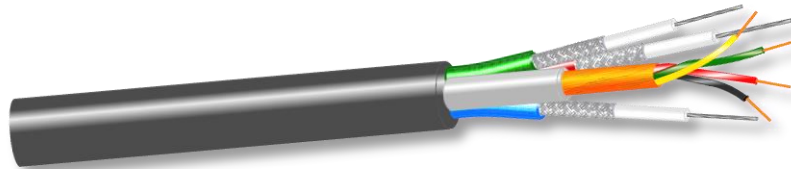
Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

332

AUDIO VIDEO CABLE 3xKX75 + (4x0.14)

Application Transmission of video signals for video cameras.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km	Capacity pF / m	Inner Conductor Resistance Ohm / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm			
Z0358									
Video	3 x 0,14	18 x 0,10	White	1,50	Black Green Red Yellow	9,20 2,80	120,0	80,0	138,0
Alimentation	4 x 0,14	18 x 0,10	Red-Black -Yellow-Green	1,00					132,0

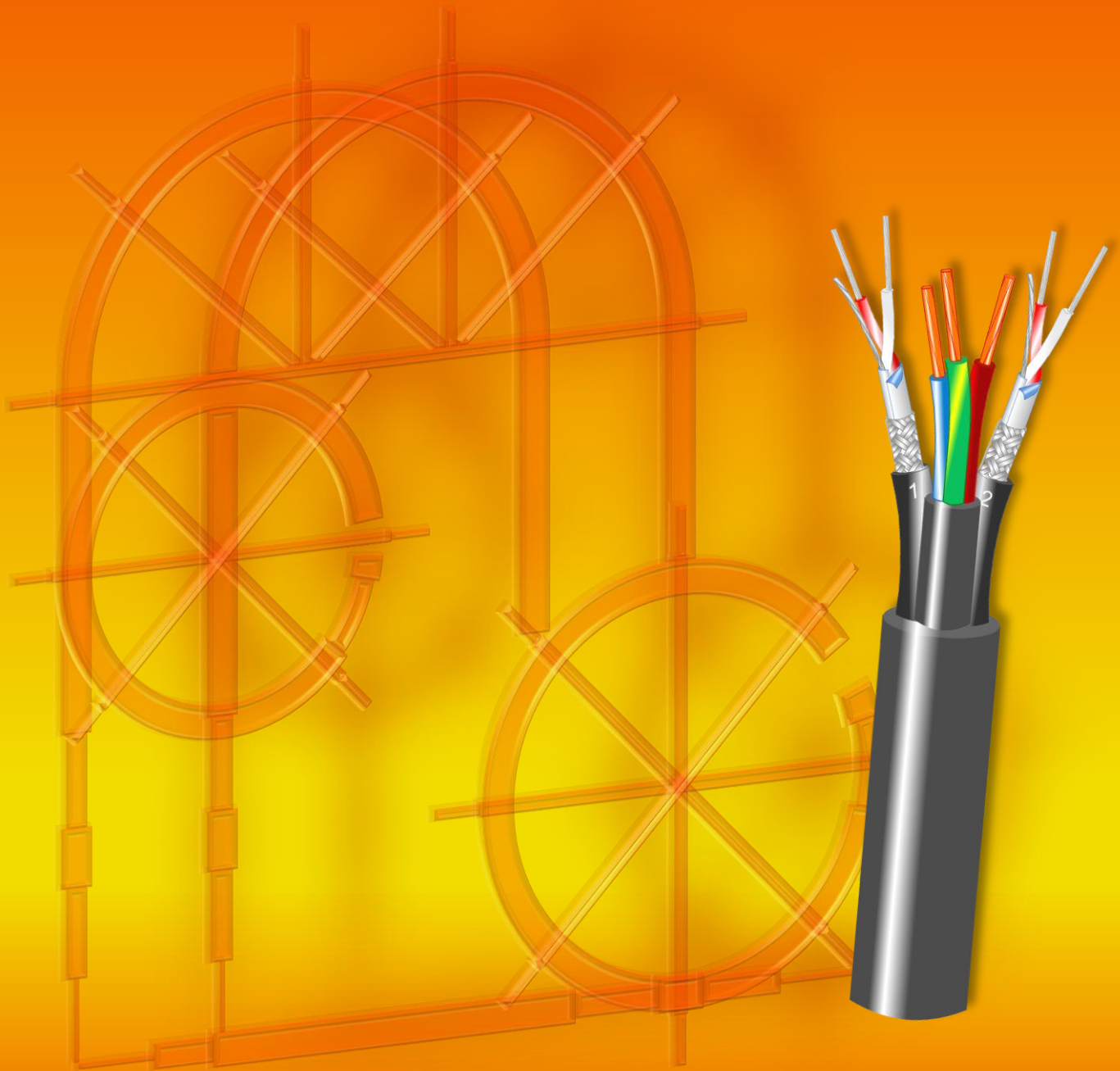
Standards

Video	Inner Conductor	Tinned Copper	
	Insulation	Polyethylene Foam	
	Shield	Tinned Copper, Spiral	
	Jacket	PVC TM2	EN 50363-4-1
Alimentation	Inner Conductor	Bare Copper	
	Insulation	PVC T12	EN 50363-3
Jacket	Shield	Bare Copper, Spiral	
	Jacket	PVC T12	EN 50363-4-1
Fire behaviour	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	
		IEC 60332-1-2	

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

SOUND



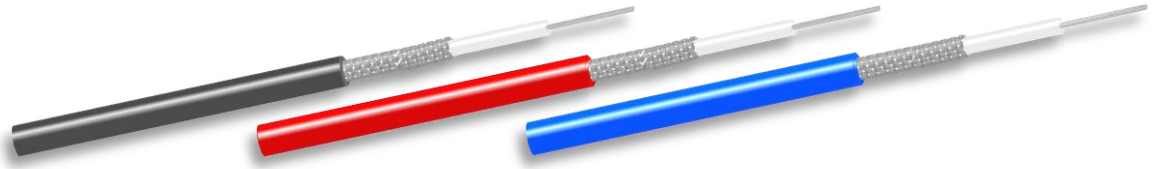
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341 Li2YCY P-INS 55ES INSTRUMENT CABLE

Application Link of instruments on stages and interconnection between audio devices in recording studios. These coaxial cables are suitable for audio transmission on not balanced lines through jack connectors.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Color		Diameter (Approx.) mm		
G016	1 x 0,35	11 x 0,20	White	2,80	Black	5,50	40,0	
G017					Red			
G018					Blue			

Standards

Inner Conductor	Tinned Copper, Stranded		
Dielectric	Polyethylene Foam		
Shield	Tinned Copper, Braid		
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	
Fire behaviour		IEC 60332-1-2	

Technical Data

Capacity	pF / m	62,0
Inner Conductor Resistance	Ohm / km	56,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

341 Li2YDY P-INS 55GR INSTRUMENT CABLE

Application Link of instruments on stages and interconnection between audio devices in recording studios. This coaxial cable with an intermediate layer of conductive graphite, allows optimum flexibility and a shielding efficiency very high.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Color		Diameter (Approx.) mm		
G085	1 x 0,25	30 x 0,10	White	1,65	Black	5,50	42,0	

Standards

Inner Conductor	Bare Copper, Stranded		
Dielectric	Polyethylene Foam		
Shield	Conductive Graphite		
	Bare Copper, Spiral		
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	
Fire behaviour		IEC 60332-1-2	

Technical Data

Capacity	pF / m	87,0
Inner Conductor Resistance	Ohm / km	77,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

341 Li2YCY P-INS 55CRY INSTRUMENT CABLE

Application Connection of instruments on stages and interconnection between audio devices in recording studios. These coaxial cables are suitable for audio transmission on not balanced lines through jack connectors.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Color		Diameter (Approx.) mm		
G157	1 x 0,35	11 x 0,20	White	2,80	Transparent	5,50	42,0	

Standards

Inner Conductor	Tinned Copper, Stranded	
Dielectric	Polyethylene Foam	
Shield	Tinned Copper, Braid	
Jacket	Special PVC TM2 (YM2)	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	62,0
Inner Conductor Resistance	Ohm / km	56,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U _o /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

341 Li2YDY P-INS 63LIV INSTRUMENT CABLE

Application Connection of instruments on stages and interconnection between audio devices in recording studios. These coaxial cables are suitable for audio transmission on not balanced lines through jack connectors.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Color		Diameter (Approx.) mm		
G080	1 x 0,50	16 x 0,20	White	2,60	Black	6,30	49,0	

Standards

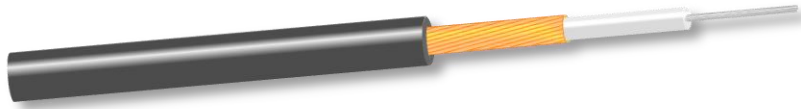
Inner Conductor	Tinned Copper, Stranded	
Dielectric	Polyethylene Foam	
Shield	Tinned Copper, Braid	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	77,0
Inner Conductor Resistance	Ohm / km	41,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U _o /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

341 Li2YDY P-INS 63LIV INSTRUMENT CABLE

Application Connection of instruments on stages and interconnection between audio devices in recording studios. These coaxial cables are suitable for audio transmission on not balanced lines through jack connectors.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm	
G822	1 x 0,50	28 x 0,15	White	2,60	Black	6,30	47,0

Standards

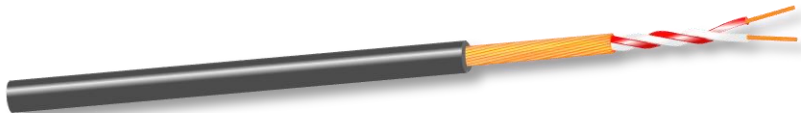
Inner Conductor	Tinned Copper, Stranded	
Dielectric	Polyethylene Foam	
Shield	Bare Copper, Spiral	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	77,0
Inner Conductor Resistance	Ohm / km	37,5
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

342 LF-XYDY P-MIC 39XSL MICROPHONE CABLE

Application Connection of microphone and audio equipment in recording studios and live performances. These cables are suitable for the connection of balanced lines with XLR connectors.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm	
G155	2 x 0,08	10 x 0,10	White - Red	0,90	Black	3,90	23,0

Standards

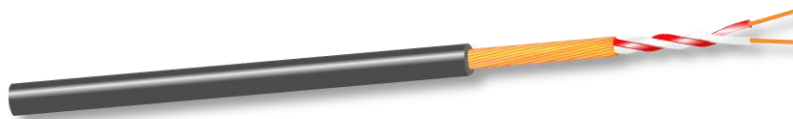
Inner Conductor	Bare Copper, Stranded	
Dielectric	Polyvinylchloride (PVC) T12 (Y12)	EN 50363-3
Filler	Anti-crushing cotton	
Shield	Bare Copper, Spiral	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	320,0
Inner Conductor Resistance	Ohm / km	226,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

342 LF-XYDY P-MIC 55SL MICROPHONE CABLE

Application Connection of microphone and audio equipment in recording studios and live performances. These cables are suitable for the connection of balanced lines with XLR connectors.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Color	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter (Approx.) mm			Diameter (Approx.) mm		
G060	2 x 0,14	18 x 0,10	White - Red	1,00	Black	4,00		30,0	

Standards

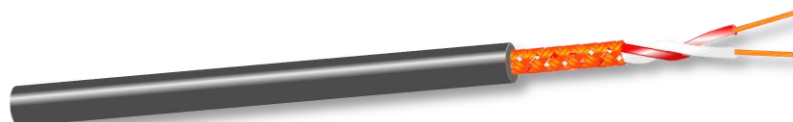
Inner Conductor	Bare Copper, Stranded	
Dielectric	Polyvinylchloride (PVC) T12 (Y12)	EN 50363-3
Filler	Anti-crushing cotton	
Shield	Bare Copper, Spiral	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	220,0
Inner Conductor Resistance	Ohm / km	132,0
Standards	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

342 LF-XYCY P-MIC 55B MICROPHONE CABLE

Application Connection of microphone and audio equipment in recording studios and live performances. These cables are suitable for the connection of balanced lines with XLR connectors.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Color	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter (Approx.) mm			Diameter (Approx.) mm		
G020	2 x 0,25	30 x 0,10	White - Red	1,70	Black	5,50		40,0	

Standards

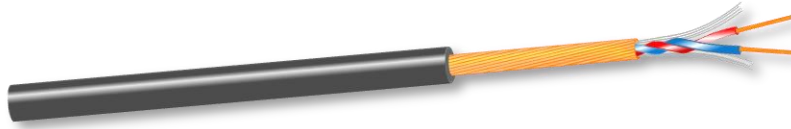
Inner Conductor	Bare Copper, Stranded	
Dielectric	Polyvinylchloride (PVC) T12 (Y12)	EN 50363-3
Filler	Anti-crushing cotton	
Shield	Bare Copper, Braid	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	95,0
Inner Conductor Resistance	Ohm / km	77,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

342 LF-XYDY P-MIC 60LIV MICROPHONE CABLE

Application Connection of microphone and audio equipment in recording studios and live performances. These cables are suitable for the connection of balanced lines with XLR connectors. The spiral shielding makes these cables particularly flexible.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm	
G821	2 x 0,22	27 x 0,10	Blue - Red	1,20	Black	6,00	43,0

Standards

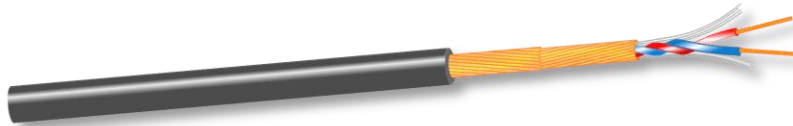
Inner Conductor	Bare Copper, Stranded	
Dielectric	Polyvinylchloride (PVC) T12 (Y12)	EN 50363-3
Filler	Anti-crushing cotton	
Shield	Bare Copper, Spiral	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	160,0
Inner Conductor Resistance	Ohm / km	85,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

342 LF-XYDDY P-MIC 52HS MICROPHONE CABLE

Application Connection of microphone and audio equipment in recording studios and live performances. These cables are suitable for the connection of balanced lines with XLR connectors. The double spiral shielding makes these cables particularly flexible and protects it also from strong magnetic interference.



Construction

Item	Cores Section mm ²	Inner Conductor			Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter (Approx.) mm	
G820	2 x 0,22	27 x 0,10	Blue - Red	1,20	Black	5,20	40,0

Standards

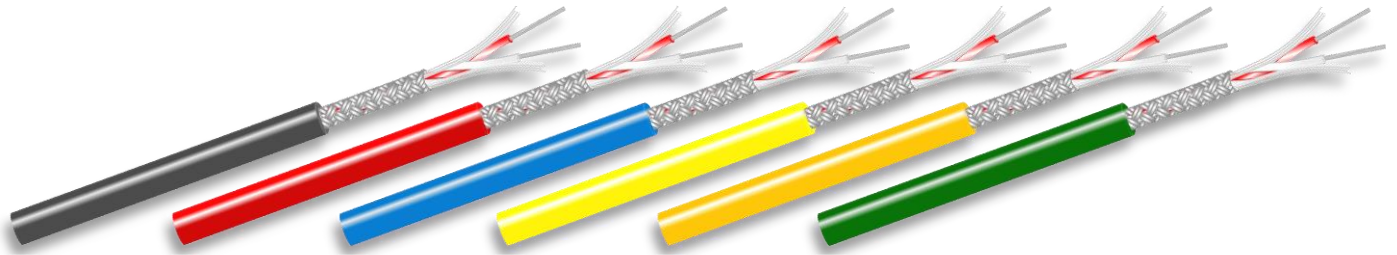
Inner Conductor	Bare Copper, Stranded	
Dielectric	Polyvinylchloride (PVC) T12 (Y12)	EN 50363-3
Filler	Anti-crushing cotton	
Shield	Bare Copper, Spiral, to the left Bare Copper, Spiral, to the right	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	160,0
Inner Conductor Resistance	Ohm / km	85,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

342 LF-XYCY P-MIC 63LI MICROPHONE CABLE

Application Connection of microphone and audio equipment in recording studios and live performances. These cables are suitable for the connection of balanced lines with XLR connectors.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter		Color	Diameter (Approx.) mm	
G069	2 x 0,35	11 x 0,200	Blue - Red	1,40	Black	6,30	48,0	
G013					Red			
G014					Blue			
G015					Yellow			
G087					Orange			
G105					Grün			

Standards

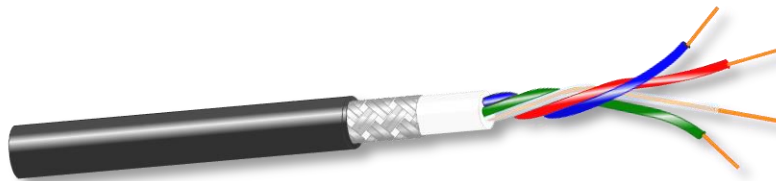
Inner Conductor	Tinned Copper, Stranded	
Dielectric	Polyvinylchloride (PVC) TI2 (YI2)	EN 50363-3
Filler	Anti-crushing cotton	
Shield	Tinned Copper, Braid	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Capacity	pF / m	134,0
Inner Conductor Resistance	Ohm / km	58,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U _o /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

355 YMLCM AUDIO CABLE

Application Installation in dry and wet rooms as interconnection cable for frequency and studio technique.



Construction

Item	Inner Conductor		Color	Diameter mm	Inner Jacket		Outer Jacket		Weight kg / km
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm			Color	Diameter (Approx.) mm	Color	Diameter (Approx.) mm	
Z1342	2 x 0,75	24 x 0,200	Transparent - Red	2,1	White	5,20	Black	7,00	72,0
Z1344	3 x 0,75	24 x 0,200	Transparent - Red - Blue	2,1	White	5,50	Black	7,40	81,1
Z1343	4 x 0,75	24 x 0,200	Transparent - Red - Blue - Grün	2,1	White	6,00	Black	7,90	92,0

Standards

Inner Conductor	Bare Copper, Stranded	EN 60228 Cl. 5
Dielectric	Polyethylene	
Inner Jacket	Polyvinylchloride TM2 (YM2)	EN 50363-4-1
Shield	Tinned Copper, Braid	
Outer Jacket	Polyvinylchloride TM2 (YM2)	EN 50363-4-1
Fire behaviour		IEC 60332.3A

Technical Data

Capacity	nF / km	130,0
Inner Conductor Resistance	Ohm / km	26,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U _o /U	Volt	300/300
Test Voltage	Volt _(ac)	800
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

343 P-DMX 52S DMX DIGITAL CABLE

Application Lights dimmer connection with DMX communication standard.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Color	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm			Diameter (Approx.) mm		
G830	2 x 0,22	7 x 0,20	White - Red	1,50	Black	5,20		33,0	

Standards

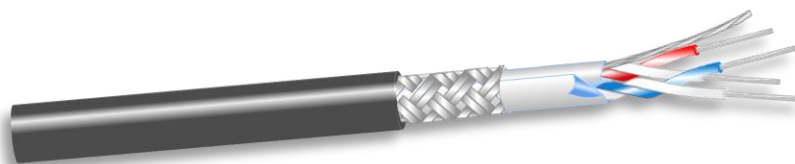
Inner Conductor	Tinned Copper, Stranded	
Dielectric	Polyethylene Foam	
Filler	Anti-crushing cotton	
Shield	Aluminium / PET foil	
Drain Wire	Tinned Copper, Stranded	
	Tinned Copper, Braid	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Impedance	Ohm	120,0
Inner Conductor Resistance	Ohm / km	91,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

343 P-DMX 84D DOUBLE DMX DIGITAL CABLE

Application Lights dimmer connection with DMX communication standard.



Construction

Item	Cores Section mm ²	Inner Conductor			Diameter mm	Color	Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm			Diameter (Approx.) mm		
G831	2 x 0,22	7 x 0,20	White - Red White - Blue	1,50	Black	5,20		76,0	

Standards

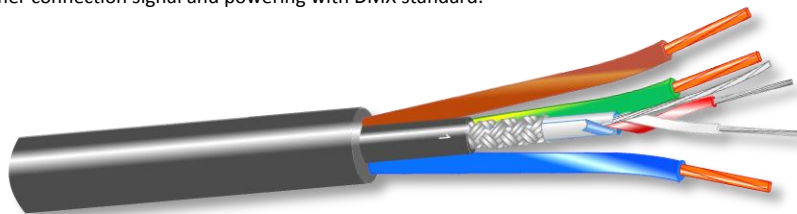
Inner Conductor	Tinned Copper, Stranded	
Dielectric	Polyethylene Foam	
Filler	Anti-crushing cotton	
Shield	Aluminium / PET foil	
Drain Wire	Tinned Copper, Stranded	
	Tinned Copper, Braid	
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Impedance	Ohm	120,0
Inner Conductor Resistance	Ohm / km	91,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

343 P-DMX 104PS DIGITAL CABLE DMX+POWER

Application Lights dimmer connection signal and powering with DMX standard.



Construction

Item	Cores Section mm ²	Inner Conductor			Inner Jacket		Outer Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter mm	Color	Diameter (Approx.) mm	
G832									
DMX	2 x 0,22	7 x 0,20	White - Red	1,50	Black	5,20	Black	10,40	133,0
Power	3 x 1,50	30 x 0,250	Braun - Blue - Yellow/Green	2,60					

Standards

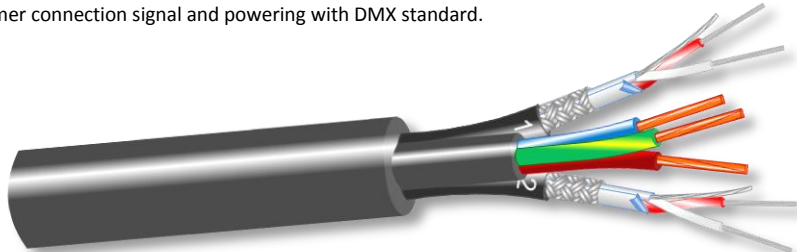
DMX	Inner Conductor	Tinned Copper, Stranded	
	Dielectric	Polyethylene Foam	
	Filler	Anti-crushing cotton	
	Shield	Aluminium / PET foil	
	Drain Wire	Tinned Copper, Stranded	
	Jacket	PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Power	Inner Conductor	Bare Copper, Stranded	EN 60228 Cl. 5
	Insulation	PVC T12 (Y12)	EN 50363-3
	Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1

Technical Data

Impedance	Ohm	120,0
DMX - Resistance	Ohm / km	91,0
Power - Resistance	Ohm / km	13,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

343 P-DMX 104PS 2xDIGITAL CABLE DMX+POWER

Application Lights dimmer connection signal and powering with DMX standard.



Construction

Item	Cores Section mm ²	Inner Conductor			Inner Jacket		Outer Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color	Diameter mm	Color	Diameter mm	Color	Diameter (Approx.) mm	
G832									
DMX	2 x (2 x 0,22)	7 x 0,20	White - Red White - Blue	1,50	Black	5,20	Black	14,90	220,0
Power	1 x (3 x 1,50)	30 x 0,250	Braun - Blue - Yellow/Grün	2,60	Black	7,00			

Standards

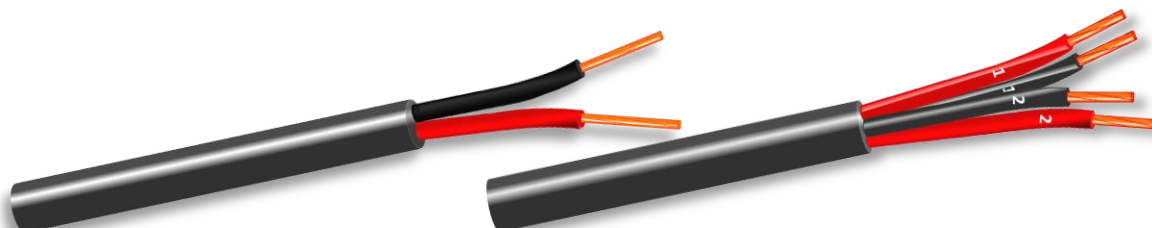
DMX	Inner Conductor	Tinned Copper, Stranded	
	Dielectric	Polyethylene Foam	
	Filler	Anti-crushing cotton	
	Shield	Aluminium / PET foil	
	Drain Wire	Tinned Copper, Stranded	
	Jacket	PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Power	Inner Conductor	Bare Copper, Stranded	EN 60228 Cl. 5
	Insulation	PVC T12 (Y12)	EN 50363-3
	Jacket	PVC TM2 (YM2)	EN 50363-4-1
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1	

Technical Data

Impedance	Ohm	120,0
DMX - Resistance	Ohm / km	91,0
Power - Resistance	Ohm / km	13,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

345 LOUDSPEAKER

Application Acoustic speaker connection. The special construction and the used materials grants a high mechanical resistance. Not suitable as electrical cable.



Construction

Item	Cores Section mm ²	Construction (Approx.) Nr / Ø mm	Inner Conductor		Diameter mm	Color	Jacket Diameter (Approx.) mm	Weight kg / km	Inner Conductor Resistance Ohm / km
			Construction	Color					
G800	2 x 1,50	49 x 0,200		Black - Red	2,40	Black	6,60	69,6	13,30
G802	2 x 2,50	50 x 0,250		Black - Red	3,00		8,00	105,4	7,98
G803	4 x 2,50	50 x 0,250		Black - Red (numbered)	3,00		9,20	159,6	7,98
G806	6 x 2,50	50 x 0,250		Black - Red (numbered)	3,00		11,20	227,5	7,98
G804	8 x 2,50	50 x 0,250		Black - Red (numbered)	3,00		12,20	286,6	7,98
G805	2 x 4,00	50 x 0,300		Black - Red	3,60		9,20	145,1	4,95
G807	4 x 4,00	50 x 0,300		Black - Red (numbered)	3,60		10,90	228,7	4,95
G808	6 x 4,00	50 x 0,300		Black - Red (numbered)	3,60		13,00	320,1	4,95
G809	8 x 4,00	50 x 0,300		Black - Red (numbered)	3,60		14,10	406,0	4,95

Standards

Inner Conductor	Bare Copper, Stranded	
Dielectric	Polyvinylchloride (PVC) TI2 (YI2)	EN 50363-3
Jacket	Special PVC TM2 (YM2) 60 Shore	EN 50363-4-1
Fire behaviour		IEC 60332-1-2

Technical Data

Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

347 MULTIPAIR STUDIO MIXER CABLE PIMF

Application Connection from stage to mixer of all audio signal sources.



Construction

Item	Cores Section mm ²	Inner Conductor		Diameter mm	Inner Jacket		Outer Jacket		Weight kg / km
		Construction (Approx.) Nr / Ø mm	Color		Color	Diameter mm	Color	Diameter (Approx.) mm	
G810	2 x 2 x 0,22						Black	8,00	100,0
G811	4 x 2 x 0,22							9,70	115,0
G812	8 x 2 x 0,22							12,50	160,0
G818	12 x 2 x 0,22							14,80	254,0
G813	16 x 2 x 0,22							17,40	340,0
G814	24 x 2 x 0,22							21,40	458,0
G815	32 x 2 x 0,22							23,00	630,0
G816	40 x 2 x 0,22							25,00	790,0
G817	48 x 2 x 0,22							27,60	950,0
	Single Pair	28 x 0,100	White - Red	1,05	Black (numbered)	2,80			

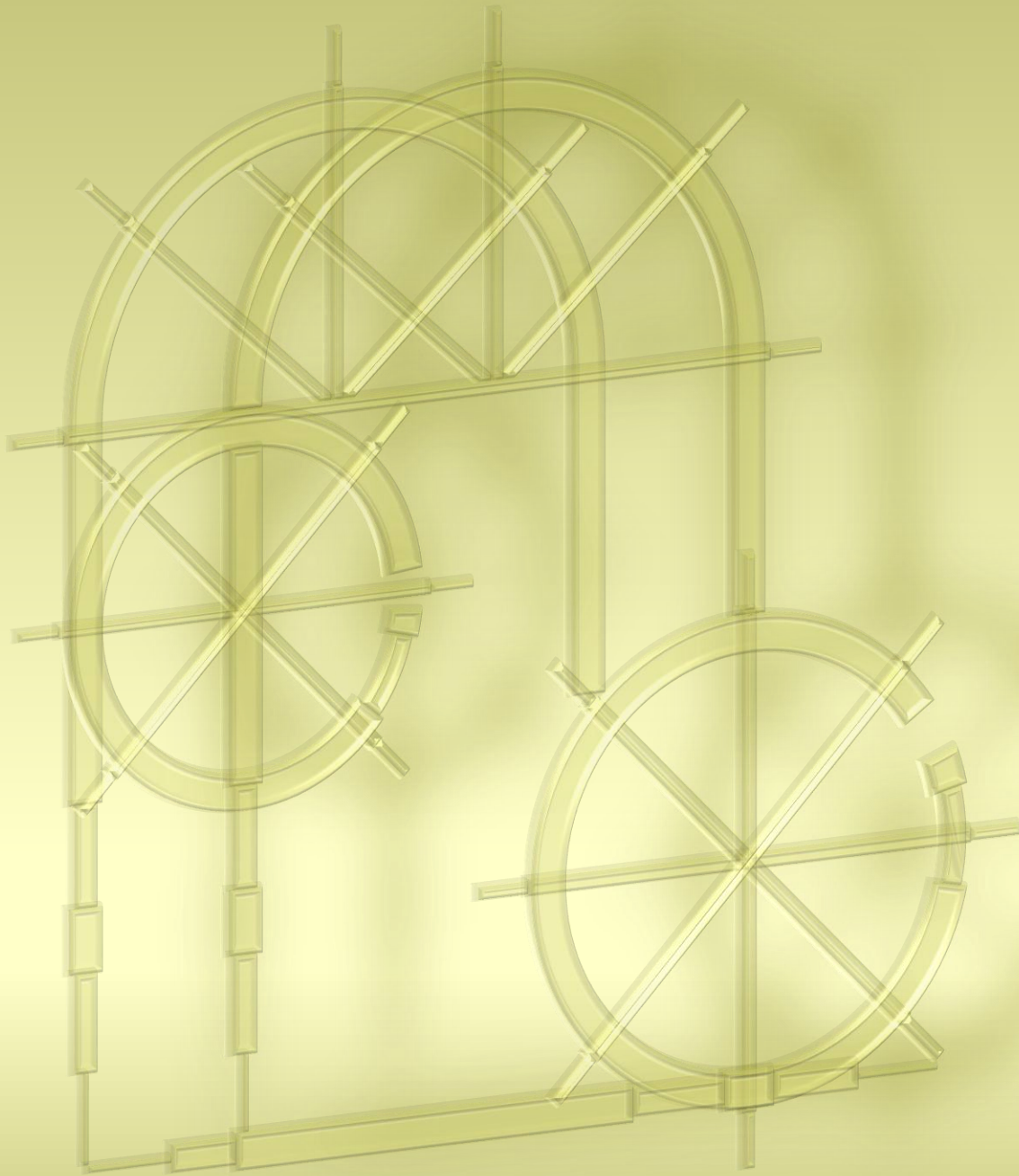
Standards

Pair	Inner Conductor	Bare Copper, Stranded	
	Dielectric	Polyethylene Foam	
	Shield	Bare Copper, Braid	
	Drain Wire	Tinned Copper, Stranded	
	Inner Jacket	PVC TM2 (YM2)	EN 50363-4-1
Outer Jacket	Special PVC TM2 (YM2) 60 Shore		EN 50363-4-1
Fire behaviour			IEC 60332-1-2

Technical Data

Capacity	pF / m	108,0
Inner Conductor Resistance	Ohm / km	81,0
Peak Operating Voltage	Volt	49 Vac / 110 Vdc
Nominal Voltage U ₀ /U	Volt	300/300
Test Voltage	Volt	2.000
Insulation Resistance	MOhm / km	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

DATA TRANSMISSION



CATALOGUE 141

Index DATA TRANSMISSION

Productgr. Item	Description	Page
435	PVC - BUS CABLE	
Z0930	EIB J-Y(St)Y GREEN BUS CABLE 1x2x0.80 500V IEC 60332.3A	4.03
Z0346	EIB J-Y(St)Y GREEN BUS CABLE 2x2x0.80 500V IEC 60332.3A	4.03
Z0703	LI-2YY GREEN BUS CABLE 1x2x1.00 750V IEC 60332.3A	4.03
435	HALOGEN FREE - BUS CABLE	
Z0930ZH	EIB J-H(St)H GREEN BUS CABLE 1x2x0.80 500V IEC 60754.1	4.03
Z0346ZH	EIB J-H(St)H GREEN BUS CABLE 2x2x0.80 500V IEC 60754.1	4.03
Z0703ZH	LI-2YY GREEN BUS CABLE 1x2x1.00 750V IEC 60754.1	4.03
431	LAN CABLE CAT 5 / 6	
H0158	U/UTP 5 FLEXIBLE 4x2xAWG26/7	4.04
H0159	F/UTP 5 FLEXIBLE 4x2xAWG26/7	4.04
H0106/E	U/UTP 5E 4x2xAWG24/1	4.04
H0107/E	F/UTP 5E 4x2xAWG24/1	4.04
H0166	U/UTP 6 4x2xAWG23/1	4.04
431	LAN CABLE CAT 5 / 6 / 7 IEC 60754.1	
H0095/E	U/UTP 5E 4x2xAWG24/1 HALOGEN FREE IEC 60754.1	4.05
H0168	U/UTP 6 4x2xAWG23/1 HALOGEN FREE IEC 60754.1	4.05
H0169	F/UTP 6 4x2xAWG23/1 HALOGEN FREE IEC 60754.1	4.05
H0162	SF/UTP 7 4x2xAWG23/1 HALOGEN FREE IEC 60754.1	4.05
431	SPECIAL LAN CABLE CAT 5 / 6	
Z0044	U/UTP 5E 4x2xAWG24/1 DIRECT BURIAL	4.06
H0179	U/UTP 6 4x2xAWG23/1 DIRECT BURIAL	4.06
Z0516	U/UTP 5E 4x2xAWG24/1 ARMORED	4.06
Z0517	F/UTP 5E 4x2xAWG24/1 ARMORED	4.06
441	RS 422 SYSTEM CABLE	
H0153	LI-Y(St)CY GREY DOUBLE SHIELD CABLE 1x2xAWG24 300V IEC 60332.3A	4.07
H0110	LI-Y(St)CY GREY DOUBLE SHIELD CABLE 2x2xAWG24 300V IEC 60332.3A	4.07
H0111	LI-Y(St)CY GREY DOUBLE SHIELD CABLE 3x2xAWG24 300V IEC 60332.3A	4.07
H0112	LI-Y(St)CY GREY DOUBLE SHIELD CABLE 4x2xAWG24 300V IEC 60332.3A	4.07
H0165	LI-Y(St)CY GREY DOUBLE SHIELD CABLE 2x2xAWG22 300V IEC 60332.3A	4.07
441	RS 422 SYSTEM CABLE	
H0097	LI-YCYPIMF GREY DOUBLE SHIELD CABLE 2x2xAWG24 300V IEC 60332.3A	4.08
H0100	LI-YCYPIMF GREY DOUBLE SHIELD CABLE 3x2xAWG24 300V IEC 60332.3A	4.08
H0101	LI-YCYPIMF GREY DOUBLE SHIELD CABLE 4x2xAWG24 300V IEC 60332.3A	4.08
441	RS 485 SYSTEM CABLE	
H0030	LI-2Y(St)CY GREY DOUBLE SHIELD CABLE 1x2xAWG24 300V IEC 60332.3A	4.09
H0163	LI-2Y(St)CY GREY DOUBLE SHIELD CABLE 2x2xAWG24 300V IEC 60332.3A	4.09
H0022	LI-2Y(St)CY GREY DOUBLE SHIELD CABLE 3x2xAWG24 300V IEC 60332.3A	4.09

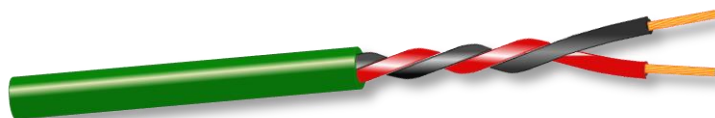
Item
Z0930 BUS CABLE JY(St)Y 1x2x0.80 300/500V
Z0930ZH BUS CABLE JH(St)H 1x2x0.80 300/500V LSZH
 Application Connection of networks with BUS EIB protocol.



Z0346 BUS CABLE JY(St)Y 2x2x0.80 300/500V
Z0346ZH BUS CABLE JH(St)H 2x2x0.80 300/500V LSZH
 Application Connection of networks with BUS EIB protocol.



Z0703 BUS CABLE 1x2x1.00 450/750V
Z0703ZH BUS CABLE 1x2x1.00 450/750V LSZH
 Application Connection of bus networks.



Construction

Item	Inner Conductor		Insulation Color	Diameter mm	Color	Jacket Diameter (Approx.) mm	Weight kg / km
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm					
Z0930	2 x 0,50	1 x 0,80	Red - Black	1,55	Green	4,70	27,5
Z0346	1 x 4 x 0,50	1 x 0,80	Red-White-Black-Yellow	1,55	Green	5,50	56,0
Z0703	2 x 1,00	30 x 0,20	Red - Black	2,10	Green	6,10	52,0

Technical Data

Z0930 - Z0346

Inner Conductor Bare Copper, Solid
 Insulation Polyvinylchloride (PVC) TI2 (YI2)
 Shield Aluminium / PET foil
 Tinned Copper, Solid
 Jacket Polyvinylchloride (PVC) TM2 (YM2)

Z0930 - Z0346

Operating Voltage U_o/U Volt 500
 Test Voltage Volt 1.200
 Capacity Wire / Wire pF / m 100
 Capacity Wire / Shield pF / m 210
 Inner Conductor Resistance Ohm / km 34,32
 Shield Resistance Ohm / km 92,00

Z0930ZH - Z0346ZH

Inner Conductor Bare Copper, Solid
 Insulation Thermoplastic Halogen-free compound TI7
 Shield Aluminium / PET foil
 Tinned Copper, Solid
 Jacket Thermoplastic Halogen-free compound M1

Insulation Resistance MOhm / km > 20
 Temperature Range Fixed Installation - 15 °C / + 70 °C
 Min. Bending Radius Fixed Installation 10 x Diameter

Z0703

Inner Conductor Bare Copper, Stranded
 Insulation Polyethylene
 Jacket Polyvinylchloride (PVC) TM2 (YM2)

Z0703 - Z0703ZH

Operating Voltage U_o/U Volt 750
 Test Voltage Volt 2.000
 Capacity Wire / Wire pF / m 48
 Inner Conductor Resistance Ohm / km 19,50

Z0703ZH

Inner Conductor Bare Copper, Solid
 Insulation Thermoplastic Halogen-free compound TI7
 Jacket Thermoplastic Halogen-free compound M1

Insulation Resistance MOhm / km > 20
 Temperature Range Fixed Installation - 15 °C / + 70 °C
 Min. Bending Radius Fixed Installation 10 x Diameter

Standards

Z0930 - Z0346

Inner Conductor EN 60228 Cl. 1
 Insulation EN 50363-3
 Jacket EN 50363-4-1
 Fire behaviour IEC 60332.3; EN 60332-3

Z0930ZH - Z0346ZH

Inner Conductor EN 60228 Cl. 1
 Insulation EN 50363-7
 Jacket EN 50363-8
 Halogen Free IEC 60754.1 - IEC 60754.2 - EN 61034.2
 Fire behaviour IEC 60332.3; EN 60332-3
 Low smoke emission EN 61034.2; EN 50334
 Corrosive gases and halogen IEC 60754-2; EN 50267-2

Z0703

Inner Conductor EN 60228 Cl. 5
 Jacket EN 50363-4-1
 Fire behaviour IEC 60332.3; EN 60332-3

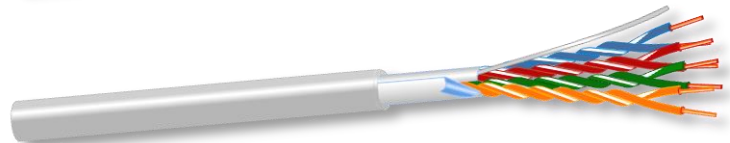
Z0930ZH - Z0346ZH

Inner Conductor EN 60228 Cl. 5
 Jacket EN 50363-8
 Halogen Free IEC 60754.1 - IEC 60754.2 - EN 61034.2
 Fire behaviour IEC 60332.3; EN 60332-3
 Low smoke emission EN 61034.2; EN 50334
 Corrosive gases and halogen IEC 60754-2; EN 50267-2

Item
H0158
Application U/UTP 5 FLEXIBLE 4x2xAWG26/7
 Unscreened cable, twisted pairs, flex conductors (multi-wire) suitable for the realization of the patch cords.



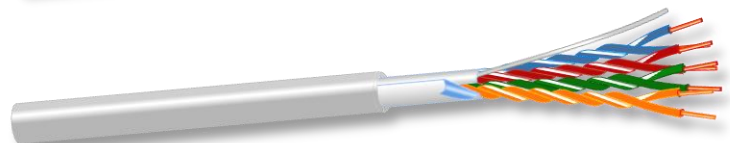
H0159
Application F/UTP 5 FLEXIBLE 4x2xAWG26/7
 Screened cable, twisted pairs, flex conductors (multi-wire) suitable for the realization of the patch cords.



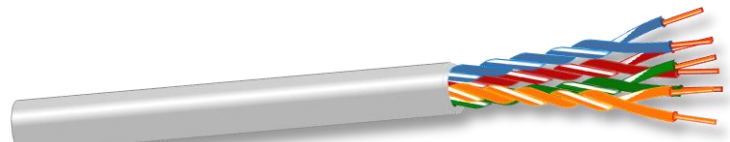
H0106/E
Application U/UTP 5E 4x2xAWG24/1
 Unshielded cable, twisted pairs. Velocity of transmission up to 120 Mb/s, operating band up to 300 MHz.



H0107/E
Application F/UTP 5E 4x2xAWG24/1
 Twisted pairs cable, shielded in aluminum / polyester. Velocity of transmission up to 120 Mb/s, operating band up to 300 MHz



H0166
Application U/UTP 6 4x2xAWG23/1
 Unshielded cable, twisted pairs. Velocity of transmission up to 250 Mb/s, operating band up to 550 MHz



Construction

Item	Inner Conductor		Insulation Diameter	Shield	Color	Jacket	Diameter	Weight
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm						
H0158	4x2xAWG26	7 x 0,16	0,95		Grey		5,00	27,0
H0159	4x2xAWG26	7 x 0,16	0,95	Alu / PE + Copper	Grey		5,40	32,0
H0106/E	4x2xAWG24	1 x 0,51	1,05		Grey		4,70	29,0
H0107/E	4x2xAWG24	1 x 0,51	1,05	Alu / PE + Copper	Grey		5,80	35,5
H0166	4x2xAWG23	1 x 0,60	1,05		Grey		6,80	46,5
Inner Conductor	Bare Copper, Solid				Pairs Color	1	Brown / White-Brown	
Insulation	Polyethylene					2	Blue / White-Blue	
Shield	Aluminium / PET foil					3	Green / White-Green	
Jacket	Tinned Copper, Solid					4	Orange / White-Orange	
	Polyvinylchloride (PVC) TM2 (YM2)							

Technical Data

		4x2xAWG26														
Frequency	MHz	0,722	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00						
Attenuation	dB / 100 mt		3,2	6,9	11,3	13,9	15,7	19,6	27,6	34,5						
NEXT	dB / 100 mt		65,3	56,3	50,3	47,2	45,8	42,8	38,4	35,3						
		4x2xAWG24														
Frequency	MHz	0,722	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00						
Attenuation	dB / 100 mt		1,8	2,1	4,3	6,6	8,2	9,2	11,8	17,1	22,0					
NEXT	min. dB		75,0	63,3	52,5	43,9	39,0	36,5	31,3	22,2	14,1					
		4x2xAWG23 (Kat. 6)														
Frequency	MHz	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	125,00	175,00	200,00	250,00	300,00	500,00	
Attenuation	dB / 100 mt		1,9	3,7	5,9	7,5	8,4	10,6	15,4	19,8	22,7	26,7	29,0	32,8	36,4	48,9
NEXT	min. dB		84,8	72,8	64,8	60,7	58,8	54,9	48,9	44,8	43,3	40,3	38,8	37,0	36,0	31,0
Conductor Loop Resistance	Ohm / km				AWG26	AWG24	AWG23	Operating Voltage Uo/U		Volt		500				
Operating Capacity	NF / km				270	178	140	Test Voltage		Volt		1.200				
Velocity Ratio	%				56	49	56	Insulation Resistance		MOhm / km		> 20				
					68	69	68	Temperature Range		Fixed Installation		- 15 °C / + 70 °C				
								Min. Bending Radius		Fixed Installation		10 x Diameter				

Standards

Jacket EN 50363-4-1
 Fire behaviour EN 60332-3A

Item
H0095/E
Application

U/UTP 5E 4x2xAWG24/1 HALOGEN FREE IEC 60754.1
 Unshielded cable, twisted pairs. Velocity of transmission up to 120 Mb/s, operating band up to 300 MHz. Special sheath made in polymer that does not emit halogen gases during combustion.



H0168
Application

U/UTP 6 4x2xAWG23/1 HALOGEN FREE IEC 60754.1
 Unshielded cable, twisted pairs. Velocity of transmission up to 250 Mb/s, operating band up to 550 MHz. Special sheath made in polymer that does not emit halogen gases during combustion.



H0169
Application

F/UTP 6 4x2xAWG23/1 HALOGEN FREE IEC 60754.1
 Shielded cable, twisted pairs. Velocity of transmission up to 250 Mb/s, operating band up to 550 MHz. Special sheath made in polymer that does not emit halogen gases during combustion.



H0162
Application

SF/UTP 7 4x2xAWG23/1 HALOGEN FREE IEC 60754.1
 4-pairs cable balanced 100 ohm, solid bare copper conductor 23 AWG (0.56 mm diameter). Cores insulated with polyethylene, individually shielded pairs with aluminium/PET foil, shield with tinned copper braid on the pairs. Sheath made in LSZH flame retardant type. Suitable for data transmission systems of type "Class F" for the construction of transmission channels, according to ISO / IEC 11801 2nd Ed, TIA / EIA-568.B 1 & 2, EN 50173-1, EN 50288-4.1 & 2, DIN 44312 - 5. The electrical properties exceed the requirements listed in the specifications for Category 7.



Construction

Item	Inner Conductor		Insulation Diameter	Shield	Color	Jacket		Weight
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm				Diameter	Diameter	
H0095/E	4x2xAWG24	1 x 0,51	1,05		Green	4,70	29,0	
H0168	4x2xAWG23	1 x 0,60	1,05		Green	6,80	46,5	
H0169	4x2xAWG23	1 x 0,60	1,05	Alu / PE + Copper	Green	6,80	51,5	
H0162	4x2xAWG23	1 x 0,60	1,15	Alu / PE + Copper Stranded	Green	8,20	103,0	

Inner Conductor	Bare Copper	Pairs Color	1	Brown / White-Brown
Insulation	Polyethylene	2	Blue / White-Blue	
Shield	Aluminium / PET foil	3	Green / White-Green	
	Tinned Copper	4	Orange / White-Orange	
Jacket	Thermoplastic Halogen-free compound M1			

Technical Data

		4x2xAWG24													
Frequency	MHz	0,722	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00					
Attenuation	dB / 100 mt	1,8	2,1	4,3	6,6	8,2	9,2	11,8	17,1	22,0					
NEXT	min. dB	75,0	63,3	52,5	43,9	39,0	36,5	31,3	22,2	14,1					
		4x2xAWG23 (Kat. 6)													
Frequency	MHz	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	125,00	175,00	200,00	250,00	300,00	500,00
Attenuation	dB / 100 mt	1,9	3,7	5,9	7,5	8,4	10,6	15,4	19,8	22,7	26,7	29,0	32,8	36,4	48,9
NEXT	min. dB	84,8	72,8	64,8	60,7	58,8	54,9	48,9	44,8	43,3	40,3	38,8	37,0	36,0	31,0
		4x2xAWG23 (Cat. 7)													
Frequency	MHz	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00		175,00		300,00	600,00	
Attenuation	dB / 100 mt	2,0	3,8	6,0	7,6	8,5	10,6	15,0	19,0		25,0		33,0	50,0	
NEXT															
Conductor Loop Resistance	Ohm / km				AWG24	AWG23		Operating Voltage Uo/U	Volt		500				
Operating Capacity	NF / km				178	140		Test Voltage	Volt		1.200				
Velocity Ratio	%				49	56		Insulation Resistance	MΩ / km		> 20				
					69	68		Temperature Range	Fixed Installation		- 15 °C / + 70 °C				
								Min. Bending Radius	Fixed Installation		10 x Diameter				

Standards

Jacket	EN 50363-8
Halogen Free	IEC 60754.1 - IEC 60754.2 - EN 61034.2
Fire behaviour	IEC 60332.3A

Item
Z0044 U/UTP 5E 4x2xAWG24/1 DIRECT BURIAL
Application Unshielded cable, twisted pairs. Velocity of transmission up to 120 Mb/s, operating band up to 300 MHz. The water-resistant polyethylene outer sheath allows the installation in case of water stagnation.



H0179 U/UTP 6 4x2xAWG23/1 DIRECT BURIAL
Application Unshielded cable, twisted pairs. Velocity of transmission up to 250 Mb/s, operating band up to 550 MHz. The water-resistant polyethylene outer sheath allows the installation in case of water stagnation.



Z0516 U/UTP 5E 4x2xAWG24/1 ARMORED
Application Unshielded cable, twisted pairs. Velocity of transmission up to 120 Mb/s, operating band up to 300 MHz. The armor of galvanized steel protects the cable from rodents and the water-resistant polyethylene outer sheath allows the installation in case of water stagnation.



Z0517 F/UTP 5E 4x2xAWG24/1 ARMORED
Application Unshielded cable, twisted pairs, shielded in aluminum / polyester. Velocity of transfer up to 120 Mb/s, operating band up to 300 MHz. The armor of galvanized steel protects the cable from rodents and the water-resistant polyethylene outer sheath allows the installation in case of water stagnation.



Construction

Item	Inner Conductor		Insulation Diameter	Shield	Inner Jacket		Armor	Outer Jacket		Weight
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm			Color	Diameter mm		Color	Diameter mm	
Z0044	4x2xAWG24	1 x 0,51	1,05					Black	6,00	35,0
H0179	4x2xAWG23	1 x 0,60	1,05					Black	6,80	46,5
Z0516	4x2xAWG24	1 x 0,51	1,05		Grey	4,70	Galvanizsd Steel	Black	8,30	115,0
Z0517	4x2xAWG24	1 x 0,51	1,05	Alu / PE + Copper	Grey	5,80	Galvanizsd Steel	Black	9,40	125,0
Inner Conductor	Bare Copper						Pairs Color	1	Brown / White-Brown	
Insulation	Polyethylene							2	Blue / White-Blue	
Shield	Aluminium / PET foil							3	Green / White-Green	
	Tinned Copper							4	Orange / White-Orange	
Inner Jacket	Polyvinylchloride TM2 (YM2)									
Armor	Galvanizsd Steel, Braid									
Outer Jacket	Polyethylene									

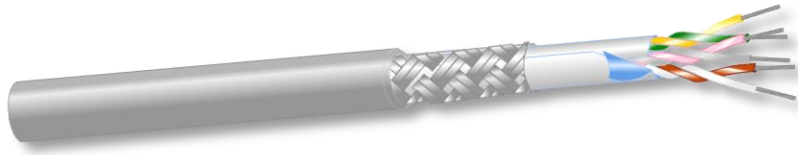
Technical Data

		4x2xAWG24										4x2xAWG23 (Kat. 6)				
Frequency	MHz	0,722	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00						
Attenuation	dB / 100 mt	1,8	2,1	4,3	6,6	8,2	9,2	11,8	17,1	22,0						
NEXT	min. dB	75,0	63,3	52,5	43,9	39,0	36,5	31,3	22,2	14,1						
Frequency	MHz	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	125,00	175,00	200,00	250,00	300,00	500,00	
Attenuation	dB / 100 mt	1,9	3,7	5,9	7,5	8,4	10,6	15,4	19,8	22,7	26,7	29,0	32,8	36,4	48,9	
NEXT	min. dB	84,8	72,8	64,8	60,7	58,8	54,9	48,9	44,8	43,3	40,3	38,8	37,0	36,0	31,0	
Conductor Loop Resistance	Ohm / km				AWG24 178	AWG23 140	Operating Voltage Uo/U		Volt		500					
Operating Capacity	NF / km				49	56	Test Voltage		Volt		1.200					
Velocity Ratio	%				69	68	Insulation Resistance		MOhm / km		> 20					
							Temperature Range		Fixed Installation		- 15 °C / + 70 °C					
							Min. Bending Radius		Fixed Installation		10 x Diameter					

Standards

Jacket EN 50363-4-1

Application Data cable according to standard RS422.



Construction

Item	Inner Conductor		Insulation Diameter mm	Shield	Color	Jacket	Weight kg / km
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm				Diameter (Approx.) mm	
H0153	1x2xAWG24	7 x 0,20	1,20	Aluminium / PET foil	Grey	4,40	28,0
H0110	2x2xAWG24	7 x 0,20	1,20	+		6,10	47,0
H0111	3x2xAWG24	7 x 0,20	1,20	Tinned Copper, Braid		6,40	52,0
H0112	4x2xAWG24	7 x 0,20	1,20			6,90	66,0
H0165	2x2xAWG22	11 x 0,20	1,40			6,80	67,0

Technical Data

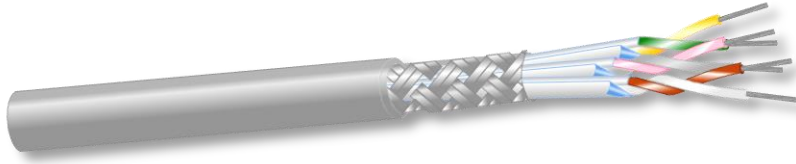
Inner Conductor	Tinned Copper, Stranded	Operating Voltage U ₀ /U	Volt	500
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	Test Voltage	Volt	1.200
Identification	Colored	Insulation Resistance	MOhm / km	> 20
Cabling	Conductors twisted, Pairs cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Shield	Aluminium / PET foil Tinned Copper, Braid	Min. Bending Radius	Fixed Installation	10 x Diameter
Jacket	Polyvinylchloride (PVC) TM2 (YM2)			
Color	Grey RAL 7001			

Item		H0153	H0110	H0111	H0112	H0165
Capacity Wire / Wire	pF / m	100,00	100,00	100,00	100,00	100,00
Capacity Wire / Shield	pF / m	175,00	165,00	165,00	165,00	165,00
Inner Conductor Resistance	Ohm / km	87,00	87,00	87,00	87,00	55,20
Shield Resistance	Ohm / km	25,70	15,70	13,90	13,80	14,60

Standards

Inner Conductor	EN 60228 Cl. 5
Insulation	EN 50363-3
Identification	DIN 47100 Table T9
Jacket	EN 50363-4-1
Fire behaviour	EN 60332-3A

Application Data cable according to standard RS422.



Construction

Item	Inner Conductor		Insulation Diameter mm	Shield		Jacket Color	Jacket Diameter (Approx.) mm	Weight kg / km
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm		Pairs				
H0097	2x2xAWG24	7 x 0,20	1,20	Aluminium / PET foil	Tinned Copper	Grey	6,10	50,0
H0100	3x2xAWG24	7 x 0,20	1,20		Braid		6,40	56,0
H0101	4x2xAWG24	7 x 0,20	1,20				6,90	73,0

Technical Data

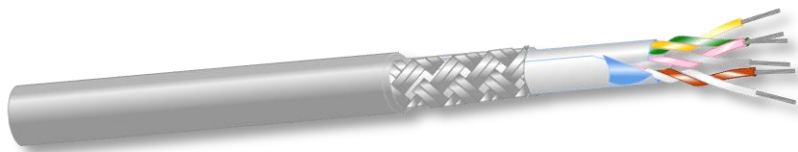
Inner Conductor	Tinned Copper, Stranded	Operating Voltage U ₀ /U	Volt	500
Insulation	Polyvinylchloride (PVC) T12 (Y12)	Test Voltage	Volt	1.200
Identification	Colored	Insulation Resistance	MOhm / km	> 20
Cabling	Conductors twisted,	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Pair Shield	Aluminium / PET foil (Pairs)	Min. Bending Radius	Fixed Installation	10 x Diameter
Cabling	Pairs cabled in concentric layers			
Shield	Tinned Copper, Braid			
Jacket	Polyvinylchloride (PVC) TM2 (YM2)			
Color	Grey RAL 7001			

Item		H0097	H0100	H0101
Capacity Wire / Wire	pF / m	115,00	115,00	115,00
Capacity Wire / Shield	pF / m	180,00	180,00	180,00
Inner Conductor Resistance	Ohm / km	87,00	87,00	87,00
Shield Resistance	Ohm / km	15,50	13,30	12,70

Standards

Inner Conductor	EN 60228 Cl. 5
Insulation	EN 50363-3
Identification	DIN 47100 Table T9
Jacket	EN 50363-4-1
Fire behaviour	EN 60332-3A

Application Data cable according to standard RS485.



Construction

Item	Inner Conductor		Insulation Diameter mm	Shield	Color	Jacket	Weight kg / km
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm				Diameter (Approx.) mm	
H0030	1x2xAWG24	7 x 0,20	1,95	Aluminium / PET foil	Grey	6,10	38,0
H0163	2x2xAWG24	7 x 0,20	1,95	+		8,50	55,0
H0022	3x2xAWG24	7 x 0,20	1,95	Tinned Copper, Braid		9,00	78,0

Technical Data

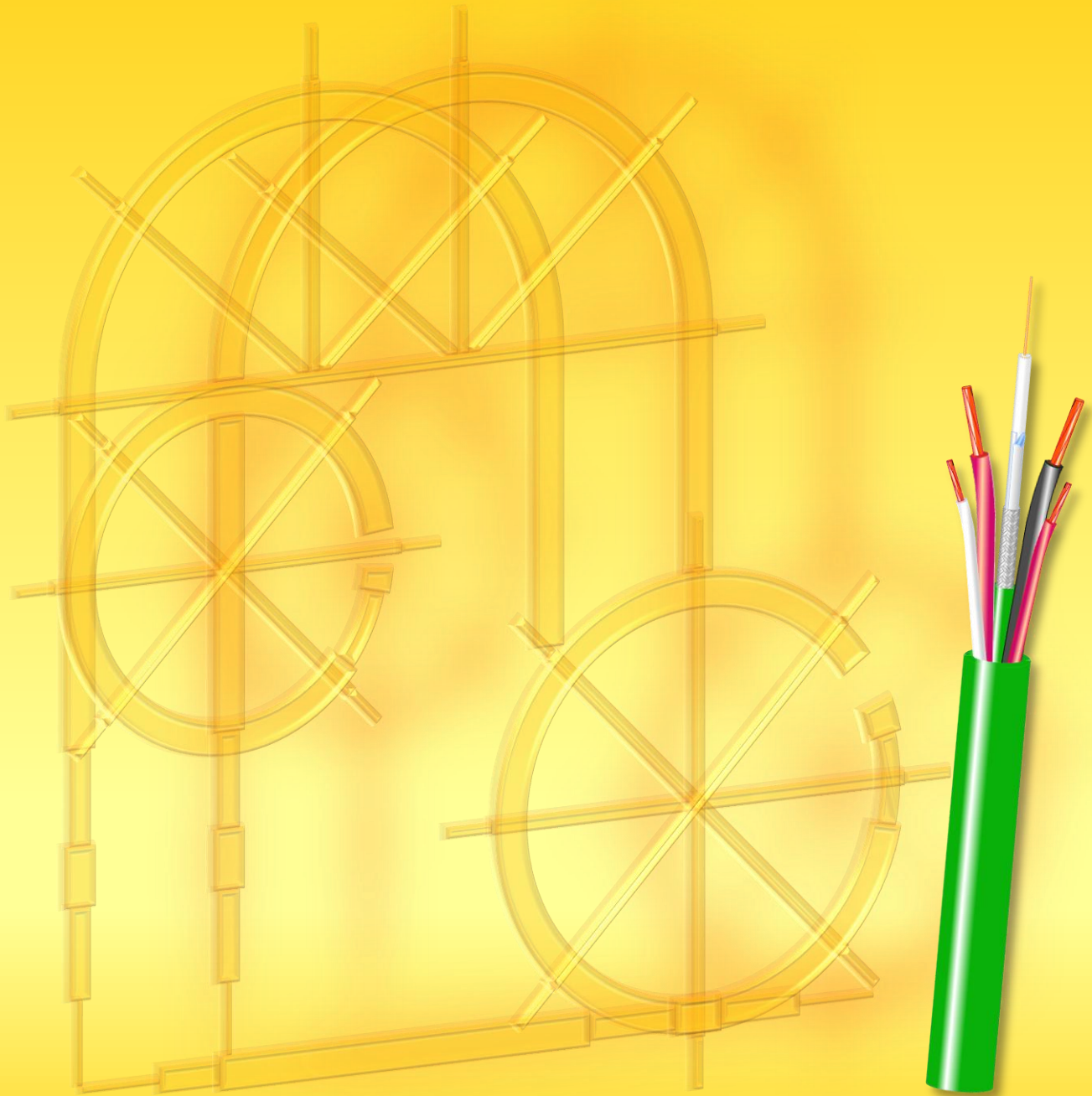
Inner Conductor	Tinned Copper, Stranded	Operating Voltage U ₀ /U	Volt	500
Insulation	Polyethylene	Test Voltage	Volt	1.200
Identification	Colored	Insulation Resistance	MOhm / km	> 20
Shield	Aluminium / PET foil	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
	Tinned Copper, Braid	Min. Bending Radius	Fixed Installation	10 x Diameter
Jacket	Polyvinylchloride TM2 (YM2)			
Color	Grey RAL 7001			

Item		H0030	H0163	H0022
Impedance	Ohm	120	120	120
Capacity Wire / Wire	pF / m	42,00	42,00	42,00
Capacity Wire / Shield	pF / m	76,00	76,00	76,00
Inner Conductor Resistance	Ohm / km	87,00	87,00	87,00
Shield Resistance	Ohm / km	18,00	10,00	8,70

Standards

Insulation	EN 50363-3
Identification	DIN 47100 Table T9
Jacket	EN 50363-4-1
Fire behaviour	EN 60332-3A

SECURITY



CATALOGUE 141

Index PVC - ALARM CABLE

Productgr. Item	Description	Page
517	LI-Y(ST)Y PVC ALARM CABLE IEC 60332.3A	5.06
IS034B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 2x0.22	5.06
IS036B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 4x0.22	5.06
IS038B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 6x0.22	5.06
IS039B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 8x0.22	5.06
IS103B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 10x0.22	5.06
IS357B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 12x0.22	5.06
IS297B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 20x0.22	5.06
IS040B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 2x0.22+2x0.50	5.06
IS042B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 4x0.22+2x0.50	5.06
IS044B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 6x0.22+2x0.50	5.06
IS104B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 8x0.22+2x0.50	5.06
IS358B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 10x0.22+2x0.50	5.06
IS359B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 12x0.22+2x0.50	5.06
IS045B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 2x0.22+2x0.75	5.06
IS047B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 4x0.22+2x0.75	5.06
IS049B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 6x0.22+2x0.75	5.06
IS105B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 8x0.22+2x0.75	5.06
IS363B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 10x0.22+2x0.75	5.06
IS364B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 12x0.22+2x0.75	5.06
IS367B	LI-XY(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 20x0.22+2x0.75	5.06

517	LI-Y(ST)Y SOLID PVC ALARM CABLE	5.07
IR02202B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 2x5/10	5.07
IR02204B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 4x5/10	5.07
IR02206B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 6x5/10	5.07
IR02208B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 8x5/10	5.07
IR02210B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 10x5/10	5.07
IR02212B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 12x5/10	5.07
IR02214B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 14x5/10	5.07
IR02216B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 16x5/10	5.07
IR02224B	LI-Y(ST)Y WHITE ALARM CABLE (CU-CU) IEC 60332.3A 500 V 24x5/10	5.07

Index PVC - FIRE ALARM CABLE

Productgr. Item	Description	Page
541	JB-Y(St)Y PVC - FIRE ALARM CABLE	
I500B	JB-Y(St)Y RED FIRE ALARM CABLE 1x2x0.80	5.08
I515B	JB-Y(St)Y RED FIRE ALARM CABLE 1x4x0.80	5.08
I501B	JB-Y(St)Y RED FIRE ALARM CABLE 2x2x0.80	5.08
I513B	JB-Y(St)Y RED FIRE ALARM CABLE 1x2x1.00	5.08
I514B	JB-Y(St)Y RED FIRE ALARM CABLE 1x2x1.13	5.08
I516B	JB-Y(St)Y RED FIRE ALARM CABLE 1x2x1.50	5.08
541	JB-YY PVC - FIRE ALARM CABLE	
I500NSB	JB-YY RED FIRE ALARM CABLE 1x2x0.80	5.09
I501NSB	JB-YY RED FIRE ALARM CABLE 2x2x0.80	5.09
I515NSB	JB-YY RED FIRE ALARM CABLE 1x4x0.80	5.09
I513NSB	JB-YY RED FIRE ALARM CABLE 1x2x1.00	5.09
I516NSB	JB-YY RED FIRE ALARM CABLE 1x2x1.50	5.09

Index PVC - VIDEO CABLE

Productgr. Item	Description	Page
530	KX 75 PVC VIDEO CABLE	
I166	KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A GREY	5.10
I166/BI	KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A WHITE	5.10
I166/BL	KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A BLUE	5.10
I166/N	KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A BLACK	5.10
I166/R	KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A RED	5.10
I284	KX 75 MINI SOLID 1.50/2.80 IEC 60332.3A GREY	5.10
Z1324	KX 75 MINI 1.55/2.80 SOLID IEC 60332.3A WHITE	5.10
531	LF-(KX+Y)AY PVC VIDEO COMBI-CABLE	
I233B	LF-(KX+Y)AY KX 75 MINI FLEX 1.50/2.80+2x0.50 WHITE	5.11
I282B	LF-(KX+Y)AY KX 75 MINI FLEX 1.50/2.80+2x0.75 WHITE	5.11
Z1013B	LF-(KX+Y)AY KX 75 MINI FLEX 1.50/2.80+2x1.00 WHITE	5.11
I600B	LF-(KX+Y+Y)AY KX 75 MINI FLEX 1.50/2.80+2x0.50+2x0.25 0.6/1KV BLUE	5.12
I372B	LF-(KX+Y+Y)AY KX 75 MINI FLEX 1.50/2.80+2x0.50+2x0.25 WHITE	5.12
I283B	LF-(KX+Y+Y)AY KX 75 MINI FLEX 1.50/2.80+2x0.75+2x0.25 WHITE	5.12
I285B	LF-(KX+Y)AY KX 75 MINI SOLID 1.50/2.80+2x0.50 WHITE	5.13
I288B	LF-(KX+Y)AY KX 75 MINI SOLID 1.50/2.80+2x0.75 WHITE	5.13
I290B	LF-(KX+Y+Y)AY KX 75 MINI SOLID 1.50/2.80+2x0.50+2x0.25 WHITE	5.13
531	LF-(KX+Y)AY PVC VIDEO COMBI-CABLE	
I233NSB	LF-(KX+Y)Y KX 75 MINI FLEX 1.50/2.80+2x0.50 WHITE	5.11
Z0350B	LF-(KX+Y)Y KX 75 MINI FLEX 1.50/2.80+2x0.75 WHITE	5.11
I372NSB	LF-(KX+Y+Y)Y KX 75 MINI FLEX 1.50/2.80+2x0.50+2x0.25 WHITE	5.13
I285NSB	LF-(KX+Y)Y KX 75 MINI SOLID 1.50/2.80+2x0.50 WHITE	5.13
532	LF-(RG+Y)Y PVC VIDEO COMBI-CABLE	
I293	LF-(KX+Y)Y RG59+2x0.75 WHITE	5.14
I294	LF-(KX+Y)Y RG59+2x1.00 WHITE	5.14
I298	LF-(KX+Y)Y RG59+2x0.75 WHITE	5.14

Index HALOGEN FREE- ALARM CABLE

Productgr. Item	Description	Page
519	LI-H(ST)H HALOGEN FREE ALARM CABLE IEC 60754.1	
ISZ034B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 2x0.22	5.15
ISZ036B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 4x0.22	5.15
ISZ038B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 6x0.22	5.15
ISZ039B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 8x0.22	5.15
ISZ103B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 10x0.22	5.15
ISZ357B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 12x0.22	5.15
ISZ297B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 20x0.22	5.15
ISZ040B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 2x0.22+2x0.50	5.15
ISZ042B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 4x0.22+2x0.50	5.15
ISZ044B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 6x0.22+2x0.50	5.15
ISZ104B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 8x0.22+2x0.50	5.15
ISZ358B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 10x0.22+2x0.50	5.15
ISZ359B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 12x0.22+2x0.50	5.15
ISZ045B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 2x0.22+2x0.75	5.15
ISZ047B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 4x0.22+2x0.75	5.15
ISZ049B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 6x0.22+2x0.75	5.15
ISZ105B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 8x0.22+2x0.75	5.15
ISZ363B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 10x0.22+2x0.75	5.15
ISZ364B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 12x0.22+2x0.75	5.15
ISZ367B	LI-XH(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 20x0.22+2x0.75	5.15

519	LI-H(ST)H SOLID HALOGEN FREE ALARM CABLE IEC 60754.1	
IRZ02204B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 4x5/10	5.16
IRZ02206B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 6x5/10	5.16
IRZ02208B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 8x5/10	5.16
IRZ02210B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 10x5/10	5.16
IRZ02212B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 12x5/10	5.16
IRZ02214B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 14x5/10	5.16
IRZ02216B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 16x5/10	5.16
IRZ02224B	LI-H(ST)H WHITE ALARM CABLE (CU-CU) IEC 60754.1 500 V 24x5/10	5.16

Index HALOGEN FREE - FIRE ALARM CABLE

Productgr. Item	Description	Page
541	JB-H(St)H HALOGEN FREE - FIRE ALARM CABLE	
I500ZHB	JB-H(St)H RED FIRE ALARM CABLE 1x2x0.80 LSZH IEC 60754/1	5.17
I508ZHB	JB-H(St)H RED FIRE ALARM CABLE 2x2x0.80 QUAD LSZH IEC 60754/1	5.17
I501ZHB	JB-H(St)H RED FIRE ALARM CABLE 2x2x0.80 LSZH IEC 60754/1	5.17
I513ZHB	JB-H(St)H RED FIRE ALARM CABLE 1x2x1.00 LSZH IEC 60754/1	5.17
I514ZHB	JB-H(St)H RED FIRE ALARM CABLE 1x2x1.13 LSZH IEC 60754/1	5.17
I516ZHB	JB-H(St)H RED FIRE ALARM CABLE 1x2x1.50 LSZH IEC 60754/1	5.17

Index HALOGEN FREE - VIDEO CABLE

Productgr. Item	Description	Page
530	KX 75 HALOGEN FREE VIDEO CABLE IEC 60754.1	
I460	KX 75 MINI SOLID 1.80/3.60 IEC 60754.1 GREEN	5.18
I461	KX 75 MINI SOLID 3.40/5.00 IEC 60754.1 GREEN	
531	LF-(KX+H)H HALOGEN FREE VIDEO COMBI-CABLE IEC 60754.1	
I462	LF-(KX+H)H KX 75 MICRO SOLID 1.80/3.60+2x0.50 LSZH GREEN	5.19
I467	LF-(KX+H)H KX 75 MICRO SOLID 1.80/3.60+2x0.75 LSZH GREEN	5.19
I469	LF-(KX+H)H KX 75 MICRO SOLID 1.80/3.60+2x1.00 LSZH GREEN	5.19
I465	LF-(KX+H)H KX 75 MINI SOLID 3.40/5.00+2x0.50 LSZH GREEN	5.20
I466	LF-(KX+H)H KX 75 MINI SOLID 3.40/5.00+2x0.75 LSZH GREEN	5.20
I464	LF-(KX+H)H KX 75 MINI SOLID 3.40/5.00+2x1.00 LSZH GREEN	5.21
I463	LF-(KX+H+H)H KX 75 MINI SOLID 1.80/3.60+2x0.50+2x0.22 LSZH GREEN	5.21
I468	LF-(KX+H+H)H KX 75 MINI SOLID 1.80/3.60+2x0.75+2x0.22 LSZH GREEN	5.21
532	LF-(RG+H)H HALOGEN FREE VIDEO COMBI-CABLE IEC 60754.1	
I298ZH	LF-(KX+H)H RG59+2x0.75 WHITE LSZH IEC 60754.1	5.22

517 LI-Y(ST)Y PVC ALARM CABLE IEC 60332.3A

Application These cables are suitable in alarm systems in residential buildings. Do not have to be wired together with energy cables.



Construction

Item	Inner Conductor		Insulation		Shield	Jacket		Weight kg / km
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm	Diameter mm	Diameter mm		Color	Diameter (Approx.) mm	
IS034B	2 x 0.22	7 x 0,15	1,00		Aluminium / PET foil	White	3,60	14,9
IS036B	4 x 0.22	7 x 0,15	1,00		+		4,00	20,4
IS038B	6 x 0.22	7 x 0,15	1,00		Bare Copper, Stranded		4,60	26,3
IS039B	8 x 0.22	7 x 0,15	1,00				5,00	31,7
IS103B	10 x 0.22	7 x 0,15	1,00				5,50	37,4
IS357B	12 x 0.22	7 x 0,15	1,00				5,90	42,8
IS297B	20 x 0.22	7 x 0,15	1,00				7,00	65,5
IS040B	2 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		4,60	27,4
IS042B	4 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		5,20	33,3
IS044B	6 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		5,60	38,7
IS104B	8 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		5,80	43,5
IS358B	10 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		6,30	49,1
IS359B	12 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		6,40	53,7
IS045B	2 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		5,10	32,9
IS047B	4 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		5,50	38,3
IS049B	6 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		5,80	43,3
IS105B	8 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		6,30	48,9
IS363B	10 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		6,60	54,1
IS364B	12 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		6,80	58,9
IS367B	20 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		8,10	82,7

Technical Data

Inner Conductor	Bare Copper, Stranded		
Insulation	Polyvinylchloride (PVC) TI2 (YI2)		
Identification	Color List		
Cabling	Conductors cabled in concentric layers		
Taping	Polyester foil		
Shield	Aluminium / PET foil		
Drain Wire	Bare Copper, Stranded		
Jacket	Polyvinylchloride (PVC) TM2 (YM2)		
Conductor Resistance	0,22	Ohm / km	143,00
Conductor Resistance	0,50	Ohm / km	63,00
Conductor Resistance	0,75	Ohm / km	42,00
Peak Operating Voltage		Volt	250
(Not for purposes of Power)			
Operating Voltage U _o		Volt	500
Test Voltage		Volt	1.200
Insulation Resistance		MOhm / km	> 20
Temperature Range		Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius		Fixed Installation	10 x Diameter

Color List

Section 0.22	Section 0.50 - 0.75
White	Red
Red	Black
Yellow	
Green	
Grey	
Orange	
Light Blue	
Brown	
Black	
Violet	
Blue	
Pink	
White / Brown	
White / Violet	
White / Green	
White / Blue	
White / Grey	
White / Yellow	
White / Black	
White / Red	

Standards

Insulation	EN 50363-3
Jacket	EN 50363-4-1
Fire behaviour	IEC 60332-3A

517 LI-Y(ST)Y PVC ALARM CABLE IEC 60332.3A

Application These cables are suitable in alarm systems in residential buildings. Do not have to be wired together with energy cables.



Construction

Item	Inner Conductor		Insulation Diameter mm	Shield	Jacket		Weight kg / km	
	Cores				Construction (Approx.) Nr / Ø mm	Color		Diameter (Approx.) mm
	Nr / Ø mm	Nr / mm ²						
IR02202B	2 x 5/10	2 x 0,22	1 x 0,50	1,00	Aluminium / PET foil +	White	3,60	18,3
IR02204B	4 x 5/10	4 x 0,22					4,00	25,0
IR02206B	6 x 5/10	6 x 0,22			Bare Copper, Solid		4,60	32,2
IR02208B	8 x 5/10	8 x 0,22					5,00	38,6
IR02210B	10 x 5/10	10 x 0,22					5,50	45,3
IR02212B	12 x 5/10	12 x 0,22					5,90	52,0
IR02214B	14 x 5/10	14 x 0,22					6,10	60,0
IR02216B	16 x 5/10	16 x 0,22					6,50	69,5
IR02224B	24 x 5/10	24 x 0,22					7,80	96,0

Technical Data

Inner Conductor	Bare Copper, Solid		
Insulation	Polyvinylchloride (PVC) TI2 (YI2)		
Color	Color List		
Cabling	Conductors cabled in concentric layers		
Taping	Polyester foil		
Shield	Aluminium / PET foil		
Drain Wire	Bare Copper, Solid		
Jacket	Polyvinylchloride (PVC) TM2 (YM2)		
Conductor Resistance	0,22	Ohm / km	87,90
Peak Operating Voltage (Not for purposes of Power)		Volt	250
Operating Voltage U _o		Volt	500
Test Voltage		Volt	1.200
Insulation Resistance		MOhm / km	> 20
Temperature Range		Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius		Fixed Installation	10 x Diameter

Color List

Section 0.22
Red
Blue
Yellow
Green
Black
White
Grey
Brown
Orange
Violet
Light Blue
Pink
White / Brown
White / Violet
White / Green
White / Blue
White / Grey
White / Black
White / Yellow
White / Pink
White / Orange
White / Red
Grey / Red
Grey / Yellow

Standards

Insulation	EN 50363-3
Jacket	EN 50363-4-1
Fire behaviour	IEC 60332-3A

541 JB-Y(St)Y PVC - FIRE ALARM CABLE

Application

These cables are designed for signal transmission in fire detection systems. For fixed installation on and under plaster, in dry and damp rooms but also in the open air for fixed installation on outer walls of buildings.



Construction

Item	Inner Conductor		Construction (Approx.)	Diameter mm	Insulation Color	Shield	Jacket		Weight kg / km
	Cores Section						Color	Diameter (Approx.) mm	
	Nr / Ø mm	Nr / mm ²							
I500B	1 x 2 x 0,80	1 x 2 x 0,50	1 x 0,80	1,55	Red - Black	Aluminium / PET foil	Red	4,30	24,0
I515B	1 x 4 x 0,80	1 x 4 x 0,50	1 x 0,80	1,55	Red-Black-White-Yellow	+		5,10	37,0
I501B	2 x 2 x 0,80	2 x 2 x 0,50	1 x 0,80	1,55	Red-Black-White-Yellow	Tinned Copper, Solid		6,50	42,0
I513B	1 x 2 x 1,00	1 x 2 x 0,80	1 x 1,00	1,90	Red - Black			5,20	38,6
I514B	1 x 2 x 1,13	1 x 2 x 1,00	1 x 1,13	2,10	Red - Black			5,60	44,0
I516B	1 x 2 x 1,50	1 x 2 x 1,80	1 x 1,50	2,90	Red - Black			7,40	70,8

Technical Data

Inner Conductor	Bare Copper, Solid	Peak Operating Voltage	Volt	300
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	(Not for purposes of Power)		
Identification	Colored	Operating Voltage U _o	Volt	500
Cabling	Conductors cabled in concentric layers	Test Voltage	Volt	800
	I515B - Starquad	Insulation Resistance	MOhm / km	> 100
	I501B - Pairs	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Taping	Polyester foil	Min. Bending Radius	Fixed Installation	10 x Diameter
Shield	Aluminium / PET foil			
Drain Wire	Tinned Copper, Solid			
Jacket	Polyvinylchloride (PVC) TM2 (YM2)			

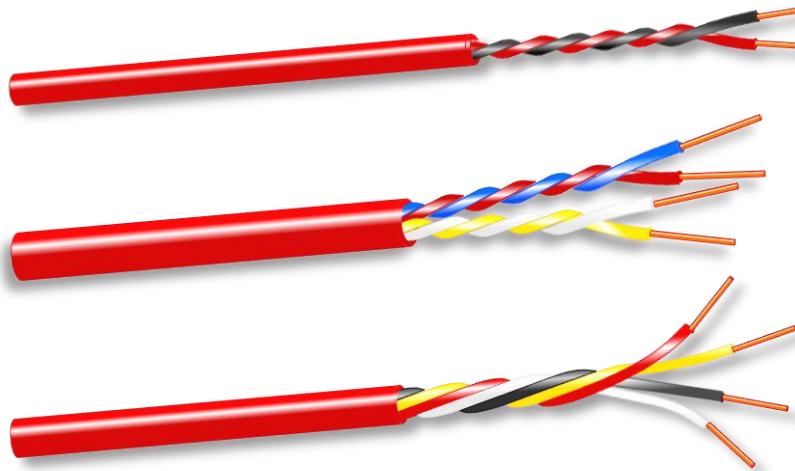
Diameter	mm	0,80	1,00	1,13	1,50
Section	mm ²	0,50	0,80	1,00	1,80
Inner Conductor Resistance	Ohm / km	34,50	22,00	17,20	9,80
Conductor Loop Resistance	Ohm / km	69,00	44,00	34,40	19,60

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-3
Identification	DIN VDE 0815
Jacket	EN 50363-4-1
Fire behaviour	IEC 60332-1-2

541 JB-YY PVC - FIRE ALARM CABLE

Application These cables are designed for signal transmission in fire detection systems. For fixed installation on and under plaster, in dry and damp rooms but also in the open air for fixed installation on outer walls of buildings.



Construction

Item	Cores Section Nr / Ø mm	Inner Conductor		Diameter mm	Insulation		Jacket		Weight kg / km
		Nr / Ø mm ²	Construction (Approx.) Nr / Ø mm		Color	Color	Diameter (Approx.) mm		
I500NSB	1 x 2 x 0,80	1 x 2 x 0,50	1 x 0,80	1,55	Red - Black	Red	4,30	24,0	
I501NSB	1 x 4 x 0,80	1 x 4 x 0,50	1 x 0,80	1,55	Red-Black-White-Yellow		5,10	37,0	
I515NSB	2 x 2 x 0,80	2 x 2 x 0,50	1 x 0,80	1,55	Red-Black-White-Yellow		6,50	42,0	
I513NSB	1 x 2 x 1,00	1 x 2 x 0,80	1 x 1,00	1,90	Red - Black		5,20	38,6	
I516NSB	1 x 2 x 1,50	1 x 2 x 1,80	1 x 1,50	2,90	Red - Black		7,40	70,8	

Technical Data

Inner Conductor	Bare Copper, Solid	Peak Operating Voltage	Volt	300
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	(Not for purposes of Power)		
Identification	Colored	Operating Voltage U _o	Volt	500
Cabling	Conductors cabled in concentric layers	Test Voltage	Volt	800
	I515B - Starquad	Insulation Resistance	MOhm / km	> 100
	I501B - Pairs	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Taping	Polyester foil	Min. Bending Radius	Fixed Installation	10 x Diameter
Jacket	Polyvinylchloride (PVC) TM2 (YM2)			

Diameter	mm	0,80	1,00	1,13	1,50
Section	mm ²	0,50	0,80	1,00	1,80
Inner Conductor Resistance	Ohm / km	34,50	22,00	17,20	9,80
Conductor Loop Resistance	Ohm / km	69,00	44,00	34,40	19,60

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-3
Identification	DIN VDE 0815
Jacket	EN 50363-4-1
Fire behaviour	IEC 60332-1-2

530 MINI COAXIAL CABLE 75 OHM

Application Video control connection at distance - Do not install it together with other electrical cables with voltage of 220 V.

Item

I166 KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A GREY

I166/BI KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A WHITE

I166/BL KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A BLUE

I166/N KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A BLACK

I166/R KX 75 MINI FLEX 1.50/2.80 IEC 60332.3A RED

I284 KX 75 MINI SOLID 1.50/2.80 IEC 60332.3A GREY

Z1324 KX 75 MINI 1.55/2.80 SOLID IEC 60332.3A WHITE



Description

Item

**KX 75 MINI FLEX 1.50/2.80
I166**

**KX 75 SOLID 1.50/2.80
I284**

**KX 75 SOLID 1.55/2.80
Z1324**

Construction

		KX 75 MINI FLEX 1.50/2.80 I166	KX 75 SOLID 1.50/2.80 I284	KX 75 SOLID 1.55/2.80 Z1324
Inner Conductor		Tinned Copper, Stranded	Bare Copper, Solid	Bare Copper, Solid
Section	mm ²	0,14	0,14	0,22
Construction (Approx.)	Nr / Ø mm	18 x 0,10	1 x 0,40	1 x 0,50
Dielectric		Polyethylene Foam	Polyethylene Foam	Polyethylene
Color		White	White	Transparent
Diameter	mm	1,50	1,50	1,55
Shield		Tinned Copper, Braid	Bare Copper, Braid	Bare Copper, Braid
Jacket		Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)
Color		I166 Grey I166/BI White I166/BL Blue I166/N Black I166/R Red	Grey	White
Diameter	mm	2,80	2,80	2,80
Weight	kg / km	14,5	14,5	16,5

Technical Data

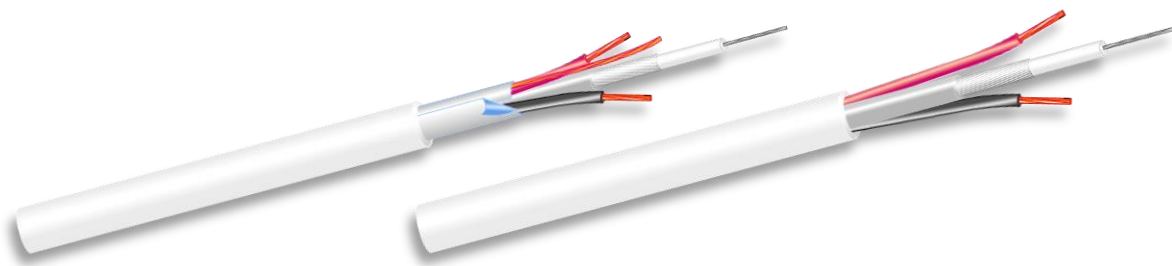
		KX 75 MINI FLEX 1.50/2.80 I166	KX 75 SOLID 1.50/2.80 I284	KX 75 SOLID 1.55/2.80 Z1324
Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3
Capacity	pF/m	80	67	74
Velocity Ratio	%	81	81	81
Inner Conductor Resistance	Ohm / km	138,0	137,0	88,0
Operating Voltage U ₀	Volt	500	500	500
Test Voltage	Volt	1.200	1.200	1.200
Insulation Resistance	MOhm / km	> 20	> 20	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	- 15 °C / + 70 °C	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter	10 x Diameter	10 x Diameter

Standards

	KX 75 MINI FLEX 1.50/2.80 I166	KX 75 SOLID 1.50/2.80 I284	KX 75 SOLID 1.55/2.80 Z1324
Jacket	EN 50363-4-1	EN 50363-4-1	EN 50363-4-1
Fire behaviour	IEC 60332-1-2	IEC 60332-1-2	IEC 60332-1-2

531 LF-(KX+Y)AY PVC VIDEO COMBI-CABLE

Application This combi cable is suitable for the transmission of video signals and power to video cameras. This cable is protected from magnetic interferences by a shield in aluminium/PET.



Description		LF-(KX+Y)AY KX 75+2x0.50	LF-(KX+Y)AY KX 75+2x0.75	LF-(KX+Y)AY KX 75+2x1.00
Item	Shielded	I233B	I282B	Z1013B
	Unshielded	I233NSB	Z0350B	Z1013NSB

Construction - Technical Data

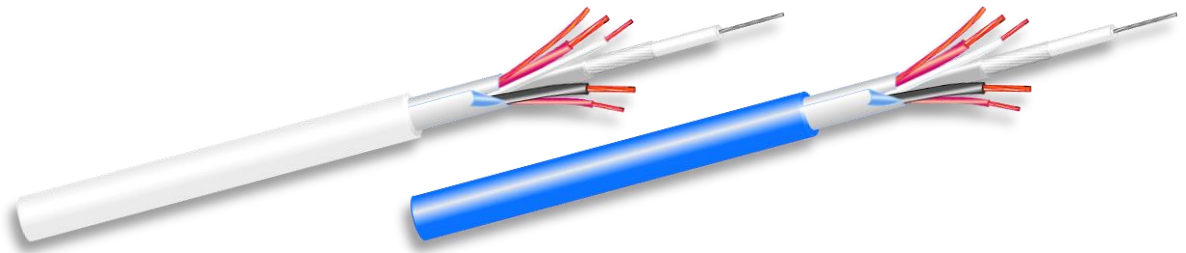
		LF-(KX+Y)AY KX 75+2x0.50	LF-(KX+Y)AY KX 75+2x0.75	LF-(KX+Y)AY KX 75+2x1.00
KX 75				
Inner Conductor		Tinned Copper, Stranded	Tinned Copper, Stranded	Tinned Copper, Stranded
Section	mm ²	0,14	0,14	0,14
Construction (Approx.)	Nr / Ø mm	18 x 0,10	18 x 0,10	18 x 0,10
Dielectric		Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Color		White	White	White
Diameter	mm	1,50	1,50	1,50
Shield		Tinned Copper, Braid	Tinned Copper, Braid	Tinned Copper, Braid
Jacket		Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)
Color		Grey	Grey	Grey
Diameter	mm	2,80	2,80	2,80
Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3
Capacity	pF/m	80	80	80
Velocity Ratio	%	81	81	81
Inner Conductor Resistance	Ohm / km	138,0	138,0	138,0
Power				
Inner Conductor		Bare Copper, Stranded	Bare Copper, Stranded	Bare Copper, Stranded
Cores / Section	n x mm ²	2 x 0,50	2 x 0,75	2 x 1,00
Construction (Approx.)	Nr / Ø mm	9 x 0,25	24 x 0,20	30 x 0,20
Insulation		Polyvinylchloride TI2 (YI2)	Polyvinylchloride TI2 (YI2)	Polyvinylchloride TI2 (YI2)
Color		Red - Black	Red - Black	Red - Black
Diameter		1,50	1,90	2,10
Inner Conductor Resistance	Ohm / km	41,8	25,3	20,2
Shield		Aluminium / PET foil	Aluminium / PET foil	Aluminium / PET foil
Drain Wire		Bare Copper, Stranded	Bare Copper, Stranded	Bare Copper, Stranded
Jacket		Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)
Diameter	mm	6,30	6,80	6,90
Color		White	White	White
Weight		kg / km		
		62,0	65,0	71,0
Operating Voltage U _o	Volt	300/500	300/500	300/500
Test Voltage	Volt	1.200	1.200	1.200
Insulation Resistance	MOhm / km	> 20	> 20	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C		
Min. Bending Radius	Fixed Installation	10 x Diameter		

Standards

Power	Inner Conductor		EN 60228 Cl. 5	EN 60228 Cl. 5
	Insulation	EN 50363-3	EN 50363-3	EN 50363-3
Jacket		EN 50363-4-1	EN 50363-4-1	EN 50363-4-1
Fire behaviour		IEC 60332-1-2	IEC 60332-1-2	IEC 60332-1-2

531 LF-(KX+Y+Y)AY PVC VIDEO COMBI-CABLE

Application This combi cable is suitable for the transmission of video signals, power and control, of video cameras. This cable is protected from magnetic interferences by a shield in aluminium/PET.



Description		LF-(KX+Y+Y)AY KX 75+2x0.50+2x0.25	LF-(KX+Y+Y)AY KX 75+2x0.75+2x0.25	LF-(KX+Y+Y)AY KX 75+2x0.50+2x0.25
Item	Shielded	I372B	I283B	I600B
	Unshielded	I372NSB	I283NSB	

Construction - Technical Data

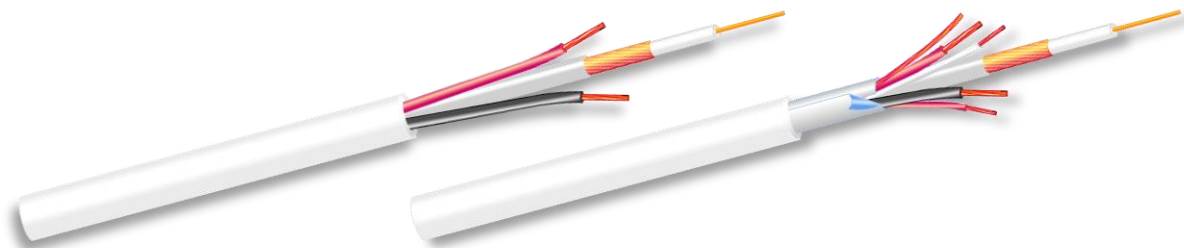
		I372B	I283B	I600B
KX 75				
Inner Conductor Section	mm ⁺	Tinned Copper, Stranded 0,14	Tinned Copper, Stranded 0,14	Tinned Copper, Stranded 0,14
Construction (Approx.)	Nr / Ø mm	18 x 0,10	18 x 0,10	18 x 0,10
Dielectric Color		Polyethylene Foam White	Polyethylene Foam White	Polyethylene Foam White
Diameter	mm	1,50	1,50	1,50
Shield		Tinned Copper, Braid	Tinned Copper, Braid	Tinned Copper, Braid
Jacket Color		Polyvinylchloride TM2 (YM2) Grey	Polyvinylchloride TM2 (YM2) Grey	Polyvinylchloride TM2 (YM2) Grey
Diameter	mm	2,80	2,80	2,80
Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3
Capacity	pF/m	80	80	80
Velocity Ratio	%	81	81	81
Inner Conductor Resistance	Ohm / km	138,0	138,0	138,0
Power				
Inner Conductor Cores / Section	mm ²	Bare Copper, Stranded 2 x 0,50	Bare Copper, Stranded 2 x 0,75	Bare Copper, Stranded 2 x 0,50
Construction (Approx.)	Nr / Ø mm	9 x 0,25	24 x 0,20	9 x 0,25
Insulation Color		Polyvinylchloride T12 (Y12) Red - Black	Polyvinylchloride T12 (Y12) Red - Black	Polyvinylchloride T12 (Y12) Red - Black
Diameter		1,50	1,90	1,50
Inner Conductor Resistance	Ohm / km	41,8	25,3	41,8
Signal				
Inner Conductor Cores / Section	n x mm ⁺	Bare Copper, Stranded 2 x 0,25	Bare Copper, Stranded 2 x 0,25	Bare Copper, Stranded 2 x 0,25
Construction (Approx.)	Nr / Ø mm	8 x 0,20	8 x 0,20	8 x 0,20
Insulation Color		PVC T12 (Y12) Red - White	PVC T12 (Y12) Red - White	PVC T12 (Y12) Red - White
Diameter		1,20	1,20	1,20
Inner Conductor Resistance	Ohm / km	76,0	76,0	76,0
Shield				
Drain Wire		Aluminium / PET foil Bare Copper, Stranded	Aluminium / PET foil Bare Copper, Stranded	Aluminium / PET foil Bare Copper, Stranded
Jacket				
Diameter	mm	Polyvinylchloride TM2 (YM2) 6,30	Polyvinylchloride TM2 (YM2) 6,80	Polyvinylchloride TM2 (YM2) 6,90
Color		White	White	Blue
Weight				
	kg / km	60,0	71,0	73,5
Operating Voltage U _o	Volt	300/500	300/500	U ^o =1000
Test Voltage	Volt	1.200	1.200	4.000
Insulation Resistance	MOhm / km	> 20	> 20	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C		
Min. Bending Radius	Fixed Installation	10 x Diameter		

Standards

Power	Inner Conductor		EN 60228 Cl. 5	EN 60228 Cl. 5
	Insulation	EN 50363-3	EN 50363-3	EN 50363-3
Signal	Inner Conductor	EN 60228 Cl. 5	EN 60228 Cl. 5	EN 60228 Cl. 5
	Insulation	EN 50363-3	EN 50363-3	EN 50363-3
Jacket		EN 50363-4-1	EN 50363-4-1	EN 50363-4-1
Fire behaviour		IEC 60332-1-2	IEC 60332-1-2	IEC 60332-1-2

531 LF-(KX+Y+Y)AY PVC VIDEO COMBI-CABLE

Application This combi cable is suitable for the transmission of video signals, power and control, of video cameras. This cable is protected from magnetic interferences by a shield in aluminium/PET.



Description		LF-(KX+Y)AY KX 75+2x0.50	LF-(KX+Y)AY KX 75+2x0.75	LF-(KX+Y+Y)AY KX 75+2x0.50+2x0.25
Item	Shielded	I285B	I288B	I290B
	Unshielded	I285NSB	I288NSB	

Construction - Technical Data

		I285B	I288B	I290B
KX 75				
Inner Conductor Section	mm ²	Tinned Copper, Stranded 0,14	Bare Copper, Solid 0,14	Bare Copper, Solid 0,14
Construction (Approx.)	Nr / Ø mm	18 x 0,10	1 x 0,40	1 x 0,40
Dielectric		Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Color		White	White	White
Diameter	mm	1,50	1,50	1,50
Shield		Tinned Copper, Braid	Bare Copper, Braid	Bare Copper, Braid
Jacket		Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)
Color		Grey	Grey	Grey
Diameter	mm	2,80	2,80	2,80
Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3
Capacity	pF/m	80	67	67
Velocity Ratio	%	81	81	81
Inner Conductor Resistance	Ohm / km	138,0	137,0	137,0
Power				
Inner Conductor Cores / Section	n x mm ²	Bare Copper, Stranded 2 x 0,50	Bare Copper, Stranded 2 x 0,75	Bare Copper, Stranded 2 x 0,50
Construction (Approx.)	Nr / Ø mm	9 x 0,25	24 x 0,20	9 x 0,25
Insulation		Polyvinylchloride TI2 (YI2)	Polyvinylchloride TI2 (YI2)	Polyvinylchloride TI2 (YI2)
Color		Red - Black	Red - Black	Red - Black
Diameter		1,50	1,90	1,50
Inner Conductor Resistance	Ohm / km	41,8	25,3	41,8
Signal				
Inner Conductor Cores / Section	n x mm ²			Bare Copper, Stranded 2 x 0,25
Construction (Approx.)	Nr / Ø mm			8 x 0,20
Insulation				PVC TI2 (YI2)
Color				Red - White
Diameter				1,20
Inner Conductor Resistance	Ohm / km			76,0
Shield				
		Aluminium / PET foil	Aluminium / PET foil	Aluminium / PET foil
Drain Wire				
		Bare Copper, Stranded	Bare Copper, Stranded	Bare Copper, Stranded
Jacket				
Diameter	mm	Polyvinylchloride TM2 (YM2) 6,20	Polyvinylchloride TM2 (YM2) 6,50	Polyvinylchloride TM2 (YM2) 6,40
Color		White	White	White
Weight				
	kg / km	57,0	63,0	60,0
Operating Voltage U _o	Volt	300/500	300/500	300/500
Test Voltage	Volt	1.200	1.200	1.200
Insulation Resistance	MOhm / km	> 20	> 20	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C		
Min. Bending Radius	Fixed Installation	10 x Diameter		

Standards

Power	Inner Conductor Insulation	EN 50363-3	EN 60228 Cl. 5 EN 50363-3	EN 60228 Cl. 5 EN 50363-3
Signal	Inner Conductor Insulation	EN 50363-4-1	EN 50363-4-1	EN 60228 Cl. 5 EN 50363-3
Jacket		EN 50363-4-1	EN 50363-4-1	EN 50363-4-1
Fire behaviour		IEC 60332-1-2	IEC 60332-1-2	IEC 60332-1-2

532 LF-(RG+Y)Y PVC VIDEO COMBI-CABLE

Application

This combi cable is suitable for the transmission of video signals, power and control, of video cameras.



Description		LF-(RG+Y)Y KX 75+2x0.75 I293B	LF-(RG+Y)Y KX 75+2x0.75 I298B	LF-(RG+Y)Y KX 75+2x1.00 I294B
Item	Unshielded	Pressure Jacket	Tubular Jacket	Tubular Jacket

Construction - Technical Data

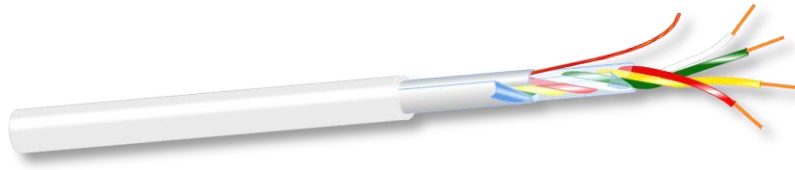
		LF-(RG+Y)Y KX 75+2x0.75 I293B	LF-(RG+Y)Y KX 75+2x0.75 I298B	LF-(RG+Y)Y KX 75+2x1.00 I294B
RG 59				
Inner Conductor		Copperweld	Copperweld	Copperweld
Section	mm ²	0,26	0,26	0,26
Construction (Approx.)	Nr / Ø mm	1 x 0,58	1 x 0,58	1 x 0,58
Dielectric		Polyethylene	Polyethylene	Polyethylene
Color		Transparent	Transparent	Transparent
Diameter	mm	3,70	3,70	3,70
Shield		Bare Copper, Braid	Bare Copper, Braid	Bare Copper, Braid
Jacket		Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)	Polyvinylchloride TM2 (YM2)
Color		Black	Black	Black
Diameter	mm	6,15	6,15	6,15
Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3
Capacity	pF/m	67	67	67
Velocity Ratio	%	66	66	66
Inner Conductor Resistance	Ohm / km	166,0	166,0	166,0
Power				
Inner Conductor		Bare Copper, Stranded	Bare Copper, Stranded	Bare Copper, Stranded
Cores / Section	n x mm ²	2 x 0,75	2 x 0,75	2 x 1,00
Construction (Approx.)	Nr / Ø mm	24 x 0,20	24 x 0,20	30 x 0,20
Insulation		Polyvinylchloride T12 (Y12)	Polyvinylchloride T12 (Y12)	Polyvinylchloride T12 (Y12)
Color		Red - Black	Red - Black	Red - Black
Diameter		1,90	1,90	2,10
Inner Conductor Resistance	Ohm / km	25,3	25,3	20,2
Jacket				
Diameter	mm	9,80	9,80	10,00
Color		White	White	White
Weight				
	kg / km	105,0	100,0	110,0
Operating Voltage U _o	Volt	300/500	300/500	300/500
Test Voltage	Volt	1.200	1.200	1.200
Insulation Resistance	MOhm / km	> 20	> 20	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C		
Min. Bending Radius	Fixed Installation	10 x Diameter		

Standards

Power	Inner Conductor	EN 60228 Cl. 5	EN 60228 Cl. 5	EN 60228 Cl. 5
	Insulation	EN 50363-3	EN 50363-3	EN 50363-3
Jacket		EN 50363-4-1	EN 50363-4-1	EN 50363-4-1
Fire behaviour		IEC 60332-1-2	IEC 60332-1-2	IEC 60332-1-2

519 LI-H(ST)H LSZH ALARM CABLE IEC 60754.1

Application Insulation and the sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.). Do not have to be wired together with energy cables.



Construction

Item	Inner Conductor		Insulation		Shield	Jacket		Weight kg / km
	Cores Section mm ²	Construction (Approx.) Nr / Ø mm	Diameter mm	Diameter mm		Color	Diameter (Approx.) mm	
ISZ034B	2 x 0.22	7 x 0,15	1,00		Aluminium / PET foil +	White	3,60	14,9
ISZ036B	4 x 0.22	7 x 0,15	1,00				4,00	20,4
ISZ038B	6 x 0.22	7 x 0,15	1,00		Bare Copper, Stranded		4,60	26,3
ISZ039B	8 x 0.22	7 x 0,15	1,00				5,00	31,7
ISZ103B	10 x 0.22	7 x 0,15	1,00				5,50	37,4
ISZ357B	12 x 0.22	7 x 0,15	1,00				5,90	42,8
ISZ297B	20 x 0.22	7 x 0,15	1,00				7,00	65,5
ISZ040B	2 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		4,60	27,4
ISZ042B	4 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		5,20	33,3
ISZ044B	6 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		5,60	38,7
ISZ104B	8 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		5,80	43,5
ISZ358B	10 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		6,30	49,1
ISZ359B	12 x 0.22 + 2 x 0.50	7 x 0,15	16 x 0,15	1,00	1,50		6,40	53,7
ISZ045B	2 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		5,10	32,9
ISZ047B	4 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		5,50	38,3
ISZ049B	6 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		5,80	43,3
ISZ105B	8 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		6,30	48,9
ISZ363B	10 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		6,60	54,1
ISZ364B	12 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		6,80	58,9
ISZ367B	20 x 0.22 + 2 x 0.75	7 x 0,15	24 x 0,15	1,00	1,80		8,10	82,7

Technical Data

Inner Conductor	Bare Copper, Stranded		
Insulation	Thermoplastic Halogen-free compound T17		
Identification	Color List		
Cabling	Conductors cabled in concentric layers		
Taping	Polyester foil		
Shield	Aluminium / PET foil		
Drain Wire	Bare Copper, Stranded		
Jacket	Thermoplastic Halogen-free compound M1		
Conductor Resistance	0,22	Ohm / km	143,00
Conductor Resistance	0,50	Ohm / km	63,00
Conductor Resistance	0,75	Ohm / km	42,00
Peak Operating Voltage		Volt	250
(Not for purposes of Power)			
Operating Voltage Uo		Volt	500
Test Voltage		Volt	1.200
Insulation Resistance		MOhm / km	> 20
Temperature Range		Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius		Fixed Installation	10 x Diameter

Color List

Section 0.22	Section 0.50 - 0.75
White	Red
Red	Black
Yellow	
Green	
Grey	
Orange	
Light Blue	
Brown	
Black	
Violet	
Blue	
Pink	
White / Brown	
White / Violet	
White / Green	
White / Blue	
White / Grey	
White / Yellow	
White / Black	
White / Red	

Standards

Insulation	EN 50363-7
Jacket	EN 50363-8
Halogen Free	IEC 60754.1; EN 50267-2-1
Fire behaviour	IEC 60332.3; EN 60332-3
Low smoke emission	EN 61034.2
Corrosive gases and halogen	IEC 60754-2; EN 50267-2-1

519 LI-H(ST)H LSZH ALARM CABLE IEC 60754.1

Application Insulation and the sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.). Do not have to be wired together with energy cables.



Construction

Item	Inner Conductor		Insulation Diameter mm	Shield	Jacket		Weight kg / km	
	Cores				Color	Diameter (Approx.) mm		
	Nr / Ø mm	Construction (Approx.) Nr / mm ²						
IRZ02202B	2 x 5/10	2 x 0,22	1 x 0,50	1,00	Aluminium / PET foil +	White	3,60	18,3
IRZ02204B	4 x 5/10	4 x 0,22					4,00	25,0
IRZ02206B	6 x 5/10	6 x 0,22			Bare Copper, Solid		4,60	32,2
IRZ02208B	8 x 5/10	8 x 0,22					5,00	38,6
IRZ02210B	10 x 5/10	10 x 0,22					5,50	45,3
IRZ02212B	12 x 5/10	12 x 0,22					5,90	52,0
IRZ02214B	14 x 5/10	14 x 0,22					6,10	60,0
IRZ02216B	16 x 5/10	16 x 0,22					6,50	69,5
IRZ02224B	24 x 5/10	24 x 0,22					7,80	96,0

Technical Data

Inner Conductor	Bare Copper, Solid		
Insulation	Thermoplastic Halogen-free compound T17		
Color	Color List		
Cabling	Conductors cabled in concentric layers		
Taping	Polyester foil		
Shield	Aluminium / PET foil		
Drain Wire	Bare Copper, Solid		
Jacket	Thermoplastic Halogen-free compound M1		

Conductor Resistance	0,22	Ohm / km	87,90
Peak Operating Voltage (Not for purposes of Power)		Volt	250
Operating Voltage U _o		Volt	500
Test Voltage		Volt	1.200
Insulation Resistance		MOhm / km	> 20
Temperature Range		Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius		Fixed Installation	10 x Diameter

Color List

Section 0.22
Red
Blue
Yellow
Green
Black
White
Grey
Brown
Orange
Violet
Light Blue
Pink
White / Brown
White / Violet
White / Green
White / Blue
White / Grey
White / Black
White / Yellow
White / Pink
White / Orange
White / Red
Grey / Red
Grey / Yellow

Standards

Insulation	EN 50363-7
Jacket	EN 50363-8
Halogen Free	IEC 60754.1; EN 50267-2-1
Fire behaviour	IEC 60332.3; EN 60332-3
Low smoke emission	EN 61034.2
Corrosive gases and halogen	IEC 60754-2; EN 50267-2-1

541 JB-H(St)H LSZH - FIRE ALARM CABLE

Application These cables are designed for signal transmission in fire detection systems. For fixed installation on and under plaster, in dry and damp rooms but also in the open air for fixed installation on outer walls of buildings. Insulation and the sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.).



Construction

Item	Inner Conductor		Diameter mm	Insulation Color	Shield	Jacket		Weight kg / km	
	Cores	Construction				Color	Diameter (Approx.) mm		
	Nr / \varnothing mm	Nr / mm ² (Approx.)							
I500ZHB	1 x 2 x 0,80	1 x 2 x 0,50	1 x 0,80	1,55	Red - Black	Aluminium / PET foil	Red	4,30	24,0
I508ZHB	1 x 4 x 0,80	1 x 4 x 0,50	1 x 0,80	1,55	Red-Black-White-Yellow	+		5,10	37,0
I501ZHB	2 x 2 x 0,80	2 x 2 x 0,50	1 x 0,80	1,55	Red-Black-White-Yellow	Tinned Copper, Solid		6,50	42,0
I513ZHB	1 x 2 x 1,00	1 x 2 x 0,80	1 x 1,00	1,90	Red - Black			5,20	38,6
I514ZHB	1 x 2 x 1,13	1 x 2 x 1,00	1 x 1,13	2,10	Red - Black			5,60	44,0
I516ZHB	1 x 2 x 1,50	1 x 2 x 1,80	1 x 1,50	2,90	Red - Black			7,40	70,8

Technical Data

Inner Conductor	Bare Copper, Solid	Peak Operating Voltage	Volt	300
Insulation	Thermoplastic Halogen-free compound T17	(Not for purposes of Power)		
Identification	Colored	Operating Voltage U _o	Volt	500
Cabling	Conductors cabled in concentric layers	Test Voltage	Volt	800
	I515B - Starquad	Insulation Resistance	MOhm / km	> 100
	I501B - Pairs	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Taping	Polyester foil	Min. Bending Radius	Fixed Installation	10 x Diameter
Shield	Aluminium / PET foil			
Drain Wire	Tinned Copper, Solid			
Jacket	Thermoplastic Halogen-free compound M1			

Diameter	mm	0,80	1,00	1,13	1,50
Section	mm ²	0,50	0,80	1,00	1,80
Inner Conductor Resistance	Ohm / km	34,50	22,00	17,20	9,80
Conductor Loop Resistance	Ohm / km	69,00	44,00	34,40	19,60

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-7
Identification	DIN VDE 0815
Jacket	EN 50363-8
Halogen Free	IEC 60754.1; EN 50267-2-1
Fire behaviour	IEC 60332.3; EN 60332-3
Low smoke emission	EN 61034.2
Corrosive gases and halogen	IEC 60754-2; EN 50267-2-1

530 MINI COAXIAL CABLE 75 OHM

Application Cable for the new digital standard HD-SDI (High Definition Serial Digital Interface). New family of coaxial cable with an impedance of 75Ω, which allows transmission from the videocamera to an uncompressed digital video signal. No loss of quality, higher resolution and better frame rate. These cables can grant longer transmission distances than the conventional cables. The micro coaxial 3.60 mm diameter allows the construction of installations up to 400 meters, for digital signals and HD-SDI up to 70 meters. The mini-coaxial 5.00 mm diameter ensures the transmission of the analog signal for distances of up to 1000 m and HD-SDI up to 160 m. Insulation and the sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.).

Item

I460 KX 75 MICRO SOLID 1.80/3.60 IEC 60754.1 GREEN

I461 KX 75 MINI SOLID 3.40/5.00 IEC 60754.1 GREEN



Description Item	KX 75 MICRO FLEX 1.80/3.60 I460	KX 75 MINI FLEX 3.40/5.00 I461
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Construction

Inner Conductor Section Construction (Approx.) Dielectric Color Diameter Shield Jacket Color Diameter Weight	mm ² Nr / Ø mm mm I166 mm kg / km	Copperweld 0,14 1 x 0,40 Polyethylene Foam White 1,80 Aluminium / PET foil Aluminium, Braid Halogen-free compound M1 Green 3,60 14,5	Bare Copper, Solid 0,50 1 x 0,80 Polyethylene Foam White 3,40 Aluminium / PET foil Aluminium, Braid Halogen-free compound M1 Green 5,00 29,0
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Technical Data

Impedance Capacity Velocity Ratio Inner Conductor Resistance Operating Voltage U _o Test Voltage Insulation Resistance Temperature Range Min. Bending Radius	Ohm pF/m % Ohm / km Volt Volt MOhm / km Fixed Installation Fixed Installation	75 ± 3 53 85 324,0 500 1.200 > 20 - 15 °C / + 70 °C 10 x Diameter	75 ± 3 53 85 34,0 500 1.200 > 20 - 15 °C / + 70 °C 10 x Diameter
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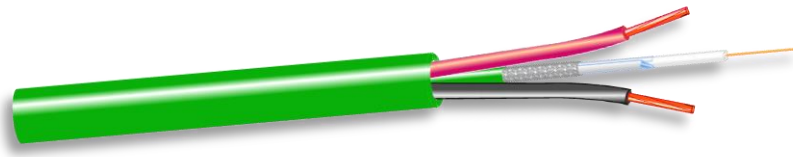
Standards

Jacket Halogen Free Fire behaviour	EN 50363-8 IEC 60754.1; EN 50267-2-1 IEC 60332.3; EN 60332-3	EN 50363-8 IEC 60754.1; EN 50267-2-1 IEC 60332.3; EN 60332-3
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531 LF-(KX+H)H LSZH VIDEO COMBI-CABLE

Application

This combi cable is suitable for the transmission of video signals and power to video cameras. Insulation and the sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.).



Description Item

LF-(KX+H)H KX 75+2x0.50
I462

LF-(KX+H)H KX 75+2x0.75
I467

LF-(KX+H)H KX 75+2x1.00
I469

Construction - Technical Data

		LF-(KX+H)H KX 75+2x0.50 I462	LF-(KX+H)H KX 75+2x0.75 I467	LF-(KX+H)H KX 75+2x1.00 I469
KX 75				
Inner Conductor Section	mm ²	Copperweld 0,14	Copperweld 0,14	Copperweld 0,14
Construction (Approx.)	Nr / Ø mm	1 x 0,40	1 x 0,40	1 x 0,40
Dielectric		Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Color		White	White	White
Diameter	mm	1,80	1,80	1,80
Shield		Aluminium / PET foil Aluminium, Braid	Aluminium / PET foil Aluminium, Braid	Aluminium / PET foil Aluminium, Braid
Jacket		Halogen-free compound M1	Halogen-free compound M1	Halogen-free compound M1
Color		Green	Green	Green
Diameter	mm	3,60	3,60	3,60
Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3
Capacity	pF/m	53	53	53
Velocity Ratio	%	85	85	85
Inner Conductor Resistance	Ohm / km	324,0	324,0	324,0
Power				
Inner Conductor Cores / Section	n x mm ²	Bare Copper, Stranded 2 x 0,50	Bare Copper, Stranded 2 x 0,75	Bare Copper, Stranded 2 x 1,00
Construction (Approx.)	Nr / Ø mm	9 x 0,25	24 x 0,20	30 x 0,20
Insulation		Thermoplastic Halogen-free TI7	Thermoplastic Halogen-free TI7	Thermoplastic Halogen-free TI7
Color		Red - Black	Red - Black	Red - Black
Diameter		1,50	1,90	2,10
Inner Conductor Resistance	Ohm / km	41,8	25,3	20,2
Jacket				
Diameter	mm	Halogen-free compound M1 6,70	Halogen-free compound M1 7,20	Halogen-free compound M1 7,50
Color		Green	Green	Green
Weight				
	kg / km	47,0	53,0	63,0
Operating Voltage U ₀	Volt	U ⁰ =1000	U ⁰ =1000	U ⁰ =1000
Test Voltage	Volt	4.000	4.000	4.000
Insulation Resistance	MOhm / km	> 20	> 20	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C		
Min. Bending Radius	Fixed Installation	10 x Diameter		

Standards

	Inner Conductor Insulation	Jacket	Halogen Free	Fire behaviour
Power	EN 50363-7	EN 50363-8	IEC 60754.1; EN 50267-2-1	IEC 60332.3; EN 60332-3
Jacket	EN 50363-7	EN 50363-8	IEC 60754.1; EN 50267-2-1	IEC 60332.3; EN 60332-3
Halogen Free	EN 50363-7	EN 50363-8	IEC 60754.1; EN 50267-2-1	IEC 60332.3; EN 60332-3
Fire behaviour	EN 50363-7	EN 50363-8	IEC 60754.1; EN 50267-2-1	IEC 60332.3; EN 60332-3

531 LF-(KX+H+H)H LSZH PVC VIDEO COMBI-CABLE

Application

This combi cable is suitable for the transmission of video signals and power to video cameras. Insulation and the sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.).



Description Item

LF-(KX+H+H)AY KX 75+2x0.50+2x0.22
I463

LF-(KX+Y+Y)AY KX 75+2x0.75+2x0.22
I468

Construction - Technical Data

KX 75

Inner Conductor		Copperweld	Copperweld
Section	mm ²	0,14	0,14
Construction (Approx.)	Nr / Ø mm	1 x 0,40	1 x 0,40
Dielectric		Polyethylene Foam	Polyethylene Foam
Color		White	White
Diameter	mm	1,80	1,80
Shield		Aluminium / PET foil	Aluminium / PET foil
		Aluminium, Braid	Aluminium, Braid
Jacket		Halogen-free compound M1	Halogen-free compound M1
Color		Green	Green
Diameter	mm	3,60	3,60
Impedance	Ohm	75 ± 3	75 ± 3
Capacity	pF/m	53	53
Velocity Ratio	%	85	85
Inner Conductor Resistance	Ohm / km	324,0	324,0

Power

Inner Conductor		Bare Copper, Stranded	Bare Copper, Stranded
Cores / Section	n x mm ²	2 x 0,50	2 x 0,75
Construction (Approx.)	Nr / Ø mm	9 x 0,25	24 x 0,20
Insulation		Thermoplastic Halogen-free T17	Thermoplastic Halogen-free T17
Color		Red - Black	Red - Black
Diameter		1,50	1,90
Inner Conductor Resistance	Ohm / km	41,8	25,3

Signal

Inner Conductor		Bare Copper, Stranded	Bare Copper, Stranded
Cores / Section	n x mm ²	2 x 0,22	2 x 0,22
Construction (Approx.)	Nr / Ø mm	7 x 0,18	7 x 0,18
Insulation		Thermoplastic Halogen-free T17	Thermoplastic Halogen-free T17
Color		Red - White	Red - White
Diameter		1,00	1,00
Inner Conductor Resistance	Ohm / km	99,7	99,7

Jacket

Diameter	mm	6,70	7,20
Color		White	White

Weight

kg / km	52,0	58,0
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Operating Voltage U ₀	Volt	U ⁰ =1000	U ⁰ =1000
Test Voltage	Volt	4.000	4.000
Insulation Resistance	MOhm / km	> 20	> 20

Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

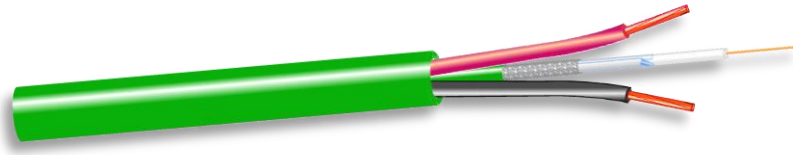
Standards

Power	Inner Conductor	EN 50363-7	EN 60228 Cl. 5
	Insulation	EN 50363-7	EN 50363-7
Signal	Insulation	EN 50363-7	EN 50363-7
Jacket		EN 50363-8	EN 50363-8
Halogen Free		IEC 60754.1; EN 50267-2-1	IEC 60754.1; EN 50267-2-1
Fire behaviour		IEC 60332.3; EN 60332-3	IEC 60332.3; EN 60332-3

531 LF-(KX+H)H LSZH VIDEO COMBI-CABLE

Application

This combi cable is suitable for the transmission of video signals and power to video cameras. Insulation and the sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.).



Description Item

**LF-(KX+H)H KX 75+2x0.50
I465**

**LF-(KX+H)H KX 75+2x0.75
I466**

**LF-(KX+H)H KX 75+2x1.00
I464**

Construction - Technical Data

		LF-(KX+H)H KX 75+2x0.50 I465	LF-(KX+H)H KX 75+2x0.75 I466	LF-(KX+H)H KX 75+2x1.00 I464
KX 75				
Inner Conductor Section	mm ²	Bare Copper, Solid 0,50	Bare Copper, Solid 0,50	Bare Copper, Solid 0,50
Construction (Approx.)	Nr / Ø mm	1 x 0,80	1 x 0,80	1 x 0,80
Dielectric		Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Color		White	White	White
Diameter	mm	3,40	3,40	3,40
Shield		Aluminium / PET foil Aluminium, Braid	Aluminium / PET foil Aluminium, Braid	Aluminium / PET foil Aluminium, Braid
Jacket		Halogen-free compound M1	Halogen-free compound M1	Halogen-free compound M1
Color		Green	Green	Green
Diameter	mm	5,00	5,00	5,00
Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3
Capacity	pF/m	53	53	53
Velocity Ratio	%	85	85	85
Inner Conductor Resistance	Ohm / km	34,0	34,0	34,0
Power				
Inner Conductor Cores / Section	n x mm ²	Bare Copper, Stranded 2 x 0,50	Bare Copper, Stranded 2 x 0,75	Bare Copper, Stranded 2 x 1,00
Construction (Approx.)	Nr / Ø mm	9 x 0,25	24 x 0,20	30 x 0,20
Insulation		Thermoplastic Halogen-free TI7	Thermoplastic Halogen-free TI7	Thermoplastic Halogen-free TI7
Color		Red - Black	Red - Black	Red - Black
Diameter		1,50	1,90	2,10
Inner Conductor Resistance	Ohm / km	41,8	25,3	20,2
Jacket				
Diameter	mm	Halogen-free compound M1 8,50	Halogen-free compound M1 8,70	Halogen-free compound M1 8,90
Color		Green	Green	Green
Weight				
	kg / km	69,0	75,0	84,0
Operating Voltage U ₀	Volt	U ⁰ =1000	U ⁰ =1000	U ⁰ =1000
Test Voltage	Volt	4.000	4.000	4.000
Insulation Resistance	MOhm / km	> 20	> 20	> 20
Temperature Range	Fixed Installation	- 15 °C / + 70 °C		
Min. Bending Radius	Fixed Installation	10 x Diameter		

Standards

	Inner Conductor Insulation			
Power		EN 50363-7	EN 60228 Cl. 5	EN 60228 Cl. 5
Jacket		EN 50363-8	EN 50363-7	EN 50363-7
Halogen Free		IEC 60754.1; EN 50267-2-1	EN 50363-8	EN 50363-8
Fire behaviour		IEC 60332.3; EN 60332-3	IEC 60754.1; EN 50267-2-1	IEC 60754.1; EN 50267-2-1
			IEC 60332.3; EN 60332-3	IEC 60332.3; EN 60332-3

532 LF-(RG+H)H PVC VIDEO COMBI-CABLE

Application

This combi cable is suitable for the transmission of video signals and power to video cameras. Insulation and the sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.).



Description

Item Unshielded **LF-(RG+H)H KX 75+2x0.75**
I298B
Tubular Jacket

Construction - Technical Data

RG 59

Inner Conductor		Copperweld
Section	mm ²	0,26
Construction (Approx.)	Nr / Ø mm	1 x 0,58
Dielectric		Polyethylene
Color		Transparent
Diameter	mm	3,70
Shield		Bare Copper, Braid
Jacket		Halogen-free compound M1
Color		Black
Diameter	mm	6,15
Impedance	Ohm	75 ± 3
Capacity	pF/m	67
Velocity Ratio	%	66
Inner Conductor Resistance	Ohm / km	166,0

Power

Inner Conductor		Bare Copper, Stranded
Cores / Section	n x mm ²	2 x 0,75
Construction (Approx.)	Nr / Ø mm	24 x 0,20
Insulation		Thermoplastic Halogen-free T17
Color		Red - Black
Diameter		1,90
Inner Conductor Resistance	Ohm / km	25,3

Jacket

Diameter	mm	9,80
Color		White

Weight

kg / km 100,0

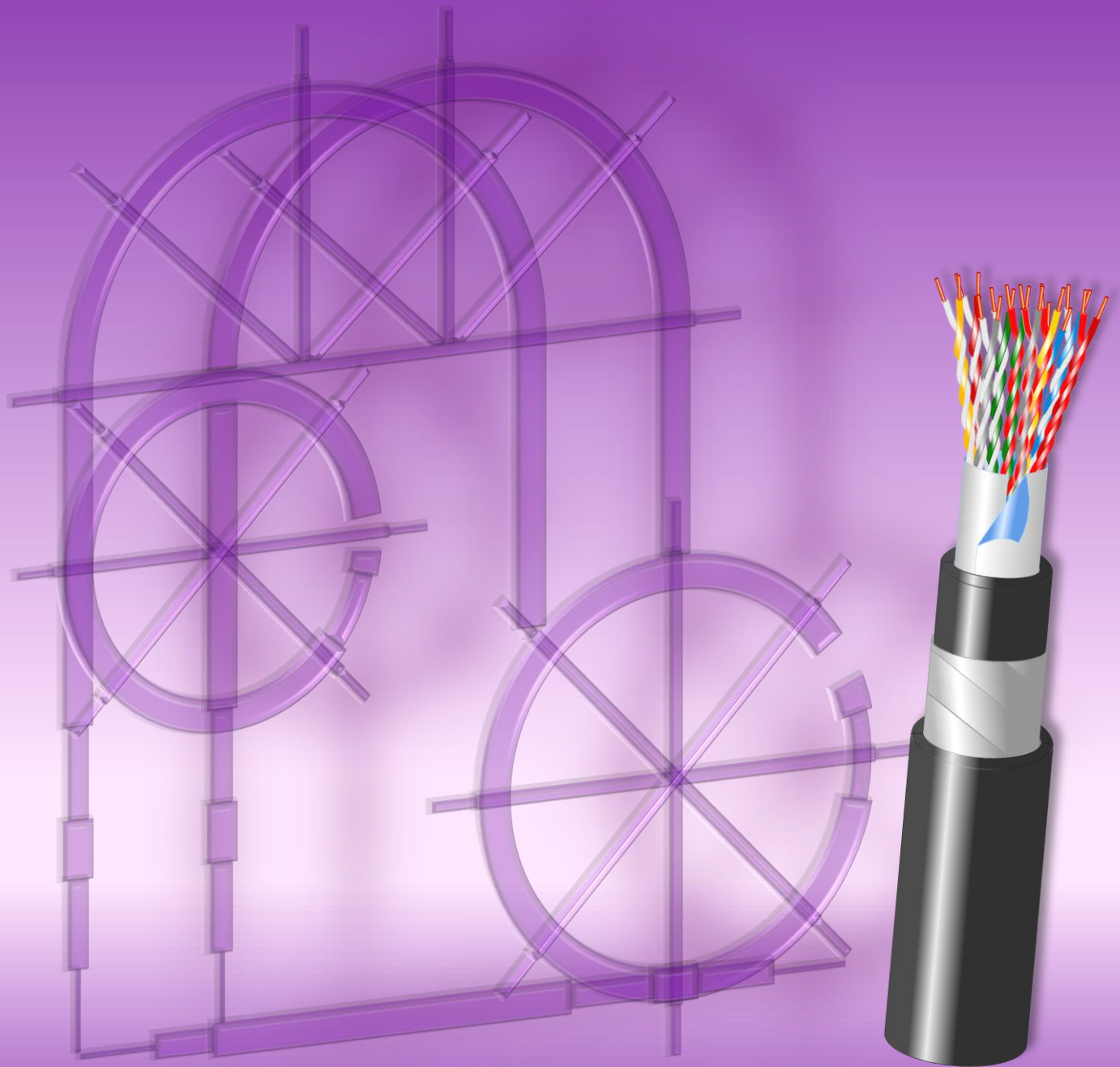
Operating Voltage U ₀	Volt	300/500
Test Voltage	Volt	1.200
Insulation Resistance	MOhm / km	> 20

Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Min. Bending Radius	Fixed Installation	10 x Diameter

Standards

Power	Inner Conductor	EN 60228 Cl. 5
	Insulation	EN 50363-7
Jacket		EN 50363-8
Halogen Free		IEC 60754.1; EN 50267-2-1
Fire behaviour		IEC 60332.3; EN 60332-3

TELECOMMUNICATION CABLES



CATALOGUE 141

Productgr. Item	Description	Page
850	PVC INSTALLATION CABLE	
JYSTYP06001	J-Y(St)Y GREY INSTALLATION CABLE 1x2x0.60	
JYSTYP06002	J-Y(St)Y GREY INSTALLATION CABLE 2x2x0.60	
JYSTYP06003	J-Y(St)Y GREY INSTALLATION CABLE 3x2x0.60	
JYSTYP06004	J-Y(St)Y GREY INSTALLATION CABLE 4x2x0.60	
JYSTYP06005	J-Y(St)Y GREY INSTALLATION CABLE 5x2x0.60	
JYSTYP06006	J-Y(St)Y GREY INSTALLATION CABLE 6x2x0.60	
JYSTYP06008	J-Y(St)Y GREY INSTALLATION CABLE 8x2x0.60	
JYSTYP06010	J-Y(St)Y GREY INSTALLATION CABLE 10x2x0.60	
JYSTYP08001	J-Y(St)Y GREY INSTALLATION CABLE 1x2x0.80	
JYSTYP08002	J-Y(St)Y GREY INSTALLATION CABLE 2x2x0.80	
JYSTYP08003	J-Y(St)Y GREY INSTALLATION CABLE 3x2x0.80	
JYSTYP08004	J-Y(St)Y GREY INSTALLATION CABLE 4x2x0.80	
JYSTYP08005	J-Y(St)Y GREY INSTALLATION CABLE 5x2x0.80	
JYSTYP08006	J-Y(St)Y GREY INSTALLATION CABLE 6x2x0.80	
JYSTYP08008	J-Y(St)Y GREY INSTALLATION CABLE 8x2x0.80	
JYSTYP08010	J-Y(St)Y GREY INSTALLATION CABLE 10x2x0.80	
850	HALOGEN FREE INSTALLATION CABLE	
JHSTHP06001	J-H(St)H GREY INSTALLATION CABLE 1x2x0.60 IEC 60754.1	
JHSTHP06002	J-H(St)H GREY INSTALLATION CABLE 2x2x0.60 IEC 60754.1	
JHSTHP06003	J-H(St)H GREY INSTALLATION CABLE 3x2x0.60 IEC 60754.1	
JHSTHP06004	J-H(St)H GREY INSTALLATION CABLE 4x2x0.60 IEC 60754.1	
JHSTHP06005	J-H(St)H GREY INSTALLATION CABLE 5x2x0.60 IEC 60754.1	
JHSTHP06006	J-H(St)H GREY INSTALLATION CABLE 6x2x0.60 IEC 60754.1	
JHSTHP06008	J-H(St)H GREY INSTALLATION CABLE 8x2x0.60 IEC 60754.1	
JHSTHP06010	J-H(St)H GREY INSTALLATION CABLE 10x2x0.60 IEC 60754.1	
JHSTHP08001	J-H(St)H GREY INSTALLATION CABLE 1x2x0.80 IEC 60754.1	
JHSTHP08002	J-H(St)H GREY INSTALLATION CABLE 2x2x0.80 IEC 60754.1	
JHSTHP08003	J-H(St)H GREY INSTALLATION CABLE 3x2x0.80 IEC 60754.1	
JHSTHP08004	J-H(St)H GREY INSTALLATION CABLE 4x2x0.80 IEC 60754.1	
JHSTHP08005	J-H(St)H GREY INSTALLATION CABLE 5x2x0.80 IEC 60754.1	
JHSTHP08006	J-H(St)H GREY INSTALLATION CABLE 6x2x0.80 IEC 60754.1	
JHSTHP08008	J-H(St)H GREY INSTALLATION CABLE 8x2x0.80 IEC 60754.1	
JHSTHP08010	J-H(St)H GREY INSTALLATION CABLE 10x2x0.80 IEC 60754.1	
850	TELECOMMUNICATION CABLE	
YR05002B	YR TELECOMMUNICATION CABLE 2x0.80 WHITE 9010 IEC 60332.3A	
YR05003B	YR TELECOMMUNICATION CABLE 3x0.80 WHITE 9010 IEC 60332.3A	
YR05004B	YR TELECOMMUNICATION CABLE 4x0.80 WHITE 9010 IEC 60332.3A	
YR05005B	YR TELECOMMUNICATION CABLE 5x0.80 WHITE 9010 IEC 60332.3A	
YR05006B	YR TELECOMMUNICATION CABLE 6x0.80 WHITE 9010 IEC 60332.3A	
YR05010B	YR TELECOMMUNICATION CABLE 10x0.80 WHITE 9010 IEC 60332.3A	
850	TELECOMMUNICATION CABLE	
YYSCH06002B	YYSCH TELECOMMUNICATION CABLE 2x0.60 WHITE 9010 IEC 60332.3A	
YYSCH06003B	YYSCH TELECOMMUNICATION CABLE 3x0.60 WHITE 9010 IEC 60332.3A	
YYSCH06004B	YYSCH TELECOMMUNICATION CABLE 4x0.60 WHITE 9010 IEC 60332.3A	
YYSCH06005B	YYSCH TELECOMMUNICATION CABLE 5x0.60 WHITE 9010 IEC 60332.3A	
YYSCH06006B	YYSCH TELECOMMUNICATION CABLE 6x0.60 WHITE 9010 IEC 60332.3A	
YYSCH06010B	YYSCH TELECOMMUNICATION CABLE 10x0.60 WHITE 9010 IEC 60332.3A	
YYSCH06016B	YYSCH TELECOMMUNICATION CABLE 12x0.60 WHITE 9010 IEC 60332.3A	
YYSCH06026B	YYSCH TELECOMMUNICATION CABLE 26x0.60 WHITE 9010 IEC 60332.3A	
850	TELEPHONE MODEM CABLE	
Z1474	F-VYDVY 4x0.5/10 TELEPHONE MODEM CABLE YELLOW IEC 60332.3A	

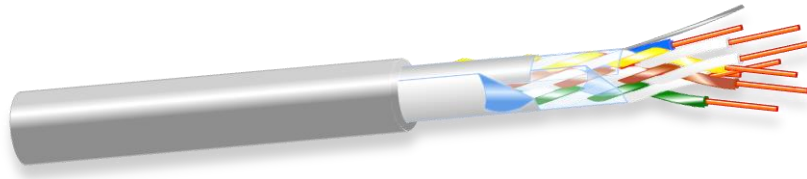
Productgr. Item	Description	Page
850	PVC INSTALLATION CABLE	
SVVF205002	SVV 250V 2x0.80 IEC 60332.3C GREY 7001	
SVVF205004	SVV 250V 4x0.80 IEC 60332.3C GREY 7001	
SVVF205006	SVV 250V 6x0.80 IEC 60332.3C GREY 7001	
SVVF205008	SVV 250V 8x0.80 IEC 60332.3C GREY 7001	
SVVF205010	SVV 250V 10x0.80 IEC 60332.3C GREY 7001	
SVVF205012	SVV 250V 12x0.80 IEC 60332.3C GREY 7001	
SVVF205014	SVV 250V 14x0.80 IEC 60332.3C GREY 7001	
SVVF205016	SVV 250V 16x0.80 IEC 60332.3C GREY 7001	
SVVF205020	SVV 250V 20x0.80 IEC 60332.3C GREY 7001	
SVVF205024	SVV 250V 24x0.80 IEC 60332.3C GREY 7001	
850	PVC TELEPHONE CABLE	
TPVFF201	TPVF-F2 TELEPHONE CABLE 1x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF202	TPVF-F2 TELEPHONE CABLE 2x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF203	TPVF-F2 TELEPHONE CABLE 3x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF204	TPVF-F2 TELEPHONE CABLE 4x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF206	TPVF-F2 TELEPHONE CABLE 6x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF208	TPVF-F2 TELEPHONE CABLE 8x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF210	TPVF-F2 TELEPHONE CABLE 10x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF212	TPVF-F2 TELEPHONE CABLE 12x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF215	TPVF-F2 TELEPHONE CABLE 15x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF220	TPVF-F2 TELEPHONE CABLE 20x2x0.60 WHITE 9010 IEC 60332.3C	
TPVFF230	TPVF-F2 TELEPHONE CABLE 30x2x0.60 WHITE 9010 IEC 60332.3C	
850	PVC TELEPHONE CABLE	
VVTF202	VVT-F2 TELEPHONE CABLE 1x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF203	VVT-F2 TELEPHONE CABLE 1x3x0.60 WHITE 9010 IEC 60332.3C	
VVTF204	VVT-F2 TELEPHONE CABLE 1x4x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P03	VVT-F2 TELEPHONE CABLE 3x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P04	VVT-F2 TELEPHONE CABLE 4x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P06	VVT-F2 TELEPHONE CABLE 6x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P08	VVT-F2 TELEPHONE CABLE 8x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P10	VVT-F2 TELEPHONE CABLE 10x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P14	VVT-F2 TELEPHONE CABLE 14x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P20	VVT-F2 TELEPHONE CABLE 20x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P26	VVT-F2 TELEPHONE CABLE 26x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P30	VVT-F2 TELEPHONE CABLE 30x2x0.60 WHITE 9010 IEC 60332.3C	
VVTF2P40	VVT-F2 TELEPHONE CABLE 40x2x0.60 WHITE 9010 IEC 60332.3C	
850	PVC TELEPHONE CABLE	
TVVFF208002	TVVF-F2 RED TELEPHONE CABLE 1x2x0.80 IEC 60332.3C	
TVVFF208004	TVVF-F2 RED TELEPHONE CABLE 1x4x0.80 IEC 60332.3C	

Index TELECOMMUNICATION CABLE

Productgr. Item	Description	Page
850	HALOGEN FREE INSTALLATION CABLE	
SVVZH205002	SVV 250V 2x0.80 GREY 7001 IEC 60754.2	
SVVZH205004	SVV 250V 4x0.80 GREY 7001 IEC 60754.2	
SVVZH205006	SVV 250V 6x0.80 GREY 7001 IEC 60754.2	
SVVZH205008	SVV 250V 8x0.80 GREY 7001 IEC 60754.2	
SVVZH205010	SVV 250V 10x0.80 GREY 7001 IEC 60754.2	
SVVZH205012	SVV 250V 12x0.80 GREY 7001 IEC 60754.2	
SVVZH205014	SVV 250V 14x0.80 GREY 7001 IEC 60754.2	
SVVZH205016	SVV 250V 16x0.80 GREY 7001 IEC 60754.2	
SVVZH205020	SVV 250V 20x0.80 GREY 7001 IEC 60754.2	
SVVZH205024	SVV 250V 24x0.80 GREY 7001 IEC 60754.2	
850	HALOGEN FREE TELEPHONE CABLE	
TPVFZH01	TPGF-F2 TELEPHONE CABLE 1x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH02	TPGF-F2 TELEPHONE CABLE 2x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH03	TPGF-F2 TELEPHONE CABLE 3x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH04	TPGF-F2 TELEPHONE CABLE 4x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH06	TPGF-F2 TELEPHONE CABLE 6x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH08	TPGF-F2 TELEPHONE CABLE 8x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH10	TPGF-F2 TELEPHONE CABLE 10x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH12	TPGF-F2 TELEPHONE CABLE 12x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH15	TPGF-F2 TELEPHONE CABLE 15x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH20	TPGF-F2 TELEPHONE CABLE 20x2x0.60 WHITE 9010 IEC 60754.2	
TPVFZH30	TPGF-F2 TELEPHONE CABLE 30x2x0.60 WHITE 9010 IEC 60754.2	
850	HALOGEN FREE TELEPHONE CABLE	
VVTZH02	VGT-F2 TELEPHONE CABLE 1x2x0.60 WHITE 9010 IEC 60754.2	
VVTZH03	VGT-F2 TELEPHONE CABLE 1x3x0.60 WHITE 9010 IEC 60754.2	
VVTZH04	VGT-F2 TELEPHONE CABLE 1x4x0.60 WHITE 9010 IEC 60754.2	
VVTZHP03	VGT-F2 TELEPHONE CABLE 3x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP04	VGT-F2 TELEPHONE CABLE 4x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP06	VGT-F2 TELEPHONE CABLE 6x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP08	VGT-F2 TELEPHONE CABLE 8x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP10	VGT-F2 TELEPHONE CABLE 10x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP14	VGT-F2 TELEPHONE CABLE 14x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP20	VGT-F2 TELEPHONE CABLE 20x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP26	VGT-F2 TELEPHONE CABLE 26x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP30	VGT-F2 TELEPHONE CABLE 30x2x0.60 WHITE 9010 IEC 60754.2	
VVTZHP40	VGT-F2 TELEPHONE CABLE 40x2x0.60 WHITE 9010 IEC 60754.2	
850	HALOGEN FREE TELEPHONE CABLE	
TVVFZH08002	TVVF-F2 RED TELEPHON CABLE 1x2x0.80 IEC 60754.2	
TVVFZH08004	TVVF-F2 RED TELEPHON CABLE 1x4x0.80 IEC 60754.2	

Application

They are suitable for fixed installation indoors and are used for telecommunication purposes.



Construction

Item	Inner Conductor		Insulation		Shield	Jacket		Weight kg / km		
	Cores		Construction (Approx.) Nr / Ø mm	Diameter mm		Color	Diameter mm			
	Nr / Ø mm	Nr / mm ²								
JYSTYP06001	1 x 2 x 0,60	1 x 2 x 0,28	1 x 0,60	1,00	Aluminium / PET foil +	Grey	3,40	16,5		
JYSTYP06002	2 x 2 x 0,60	2 x 2 x 0,28					4,00	25,9		
JYSTYP06003	3 x 2 x 0,60	3 x 2 x 0,28					5,30	36,7		
JYSTYP06004	4 x 2 x 0,60	4 x 2 x 0,28			5,70	44,5				
JYSTYP06005	5 x 2 x 0,60	5 x 2 x 0,28			6,40	55,9				
JYSTYP06006	6 x 2 x 0,60	6 x 2 x 0,28			6,90	64,2				
JYSTYP06008	8 x 2 x 0,60	8 x 2 x 0,28			7,60	82,4				
JYSTYP06010	10 x 2 x 0,60	10 x 2 x 0,28			8,80	100,5				
JYSTYP08001	1 x 2 x 0,80	1 x 2 x 0,50			1 x 0,80	1,55	Aluminium / PET foil +	Grey	4,70	28,9
JYSTYP08002	2 x 2 x 0,80	2 x 2 x 0,50							5,30	44,5
JYSTYP08003	3 x 2 x 0,80	3 x 2 x 0,50	7,30	64,7						
JYSTYP08004	4 x 2 x 0,80	4 x 2 x 0,50	7,90	80,4						
JYSTYP08005	5 x 2 x 0,80	5 x 2 x 0,50	8,90	100,4						
JYSTYP08006	6 x 2 x 0,80	6 x 2 x 0,50	9,90	121,8						
JYSTYP08008	8 x 2 x 0,80	8 x 2 x 0,50	10,70	151,6						
JYSTYP08010	10 x 2 x 0,80	10 x 2 x 0,50	12,90	198,9						

Technical Data

Inner Conductor	Bare Copper, Solid	Peak Operating Voltage	Volt	300
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	(Not for purposes of Power)		
Identification	Colored	Operating Voltage U ₀ /U	Volt	300/500
Cabling	Pairs cabled in concentric layers	Test Voltage	Volt	800
	JYSTYP06002 - Starquad	Insulation Resistance	MOhm / km	> 100
	JYSTYP08002 - Starquad	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Taping	Polyester foil	Min. Bending Radius	Fixed Installation	10 x Diameter
Shield	Aluminium / PET foil			
Drain Wire	Bare Copper, Stranded			
Jacket	Polyvinylchloride (PVC) TM2 (YM2)			
Color	Grey RAL 7001			
Diameter	mm	0,60	0,80	
Inner Conductor Resistance	Ohm / km	61,00	34,50	

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-3
Identification	According to VDE 0815
Jacket	EN 50363-4-1
Fire behaviour	EN 60332-1-2

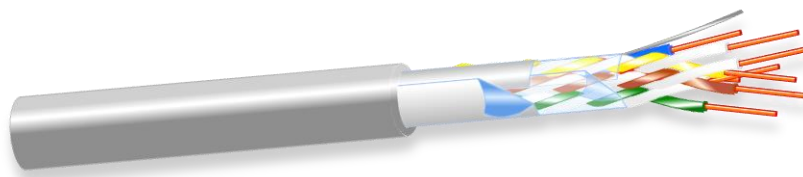
International / European

German

VDE 0295 Kl. 1
VDE 0207-363-3
DIN VDE 0815
VDE 0207-363-4-1
VDE 0482-332-1-2

Application

For fixed installation indoors and installation cables for telecommunication purposes. Insulation and the sheath made in special polymer LSZH, that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.).



Construction

Item	Inner Conductor		Insulation		Shield	Jacket		Weight kg / km		
	Cores		Construction (Approx.) Nr / \emptyset mm	Diameter mm		Color	Diameter mm			
	Nr / \emptyset mm	Nr / mm ²								
JHSTHP06001	1 x 2 x 0,60	1 x 2 x 0,28	1 x 0,60	1,00	Aluminium / PET foil +	Grey	3,40	16,5		
JHSTHP06002	2 x 2 x 0,60	2 x 2 x 0,28					4,00	25,9		
JHSTHP06003	3 x 2 x 0,60	3 x 2 x 0,28					5,30	36,7		
JHSTHP06004	4 x 2 x 0,60	4 x 2 x 0,28			5,70	44,5				
JHSTHP06005	5 x 2 x 0,60	5 x 2 x 0,28			6,40	55,9				
JHSTHP06006	6 x 2 x 0,60	6 x 2 x 0,28			6,90	64,2				
JHSTHP06008	8 x 2 x 0,60	8 x 2 x 0,28			7,60	82,4				
JHSTHP06010	10 x 2 x 0,60	10 x 2 x 0,28			8,80	100,5				
JHSTHP08001	1 x 2 x 0,80	1 x 2 x 0,50			1 x 0,80	1,55	Aluminium / PET foil +	Grey	4,70	28,9
JHSTHP08002	2 x 2 x 0,80	2 x 2 x 0,50							5,30	44,5
JHSTHP08003	3 x 2 x 0,80	3 x 2 x 0,50	7,30	64,7						
JHSTHP08004	4 x 2 x 0,80	4 x 2 x 0,50	7,90	80,4						
JHSTHP08005	5 x 2 x 0,80	5 x 2 x 0,50	8,90	100,4						
JHSTHP08006	6 x 2 x 0,80	6 x 2 x 0,50	9,90	121,8						
JHSTHP08008	8 x 2 x 0,80	8 x 2 x 0,50	10,70	151,6						
JHSTHP08010	10 x 2 x 0,80	10 x 2 x 0,50	12,90	198,9						

Technical Data

Inner Conductor	Bare Copper, Solid	Peak Operating Voltage	Volt	300
Insulation	Thermoplastic Halogen-free compound T17	(Not for purposes of Power)		
Identification	Colored	Operating Voltage U ₀ /U	Volt	300/500
Cabling	Pairs cabled in concentric layers	Test Voltage	Volt	800
	JYSTYP06002 - Starquad	Insulation Resistance	MOhm / km	> 100
	JYSTYP08002 - Starquad	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Taping	Polyester foil	Min. Bending Radius	Fixed Installation	10 x Diameter
Shield	Aluminium / PET foil			
Drain Wire	Bare Copper, Stranded			
Jacket	Thermoplastic Halogen-free compound M1			
Color	Grey RAL 7001			
Diameter	mm	0,60	0,80	
Inner Conductor Resistance	Ohm / km	61,00	34,50	

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-7
Identification	According to VDE 0815
Jacket	EN 50363-8
Halogen Free	IEC 60754.1; EN 50267-2-1
Fire behaviour	IEC 60332.3; EN 60332-3
Low smoke emission	EN 61034.2
Corrosive gases and halogen	IEC 60754-2; EN 50267-2-1

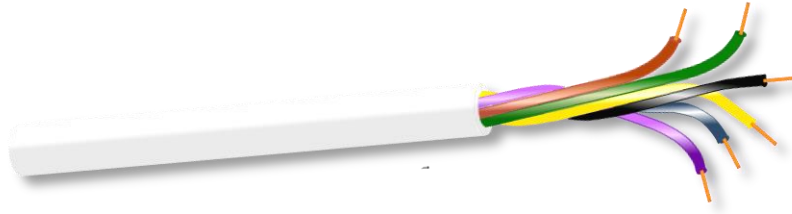
International / European

German

VDE 0295 Kl. 1
VDE 0207-363-7
DIN VDE 0815
VDE 0207-363-8
VDE 0482-267-2-1
VDE 0482-332-3
EN 61034.2
VDE 0482-267-2-3

Application

For indoor installation in conduits, cable ducts or on the wall surface. This cable is suitable for the application in interconnecting devices . Not suitable as electrical cable.



Construction

Item	Inner Conductor		Insulation		Color	Jacket Diameter	Weight
	Cores Section		Construction (Approx.)	Diameter			
	Nr / Ø mm	Nr / mm ²	Nr / Ø mm	mm		mm	kg / km
YR05002B	2 x 0,80	2 x 0,50	1 x 0,80	1,45	White	3,90	21,2
YR05003B	3 x 0,80	3 x 0,50				4,20	28,1
YR05004B	4 x 0,80	4 x 0,50				4,50	38,6
YR05005B	5 x 0,80	5 x 0,50				4,90	42,5
YR05006B	6 x 0,80	6 x 0,50				5,60	52,6
YR05010B	10 x 0,80	10 x 0,50				7,20	82,7

Technical Data

Inner Conductor	Bare Copper, Solid	Operating Voltage U ₀ /U	Volt	100
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	Test Voltage	Volt	1000
Identification	Color List	Insulation Resistance	MOhm / km	> 10
Cabling	Conductors cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	Min. Bending Radius	Fixed Installation	10 x Diameter
Color	White RAL 9010	Inner Conductor Resistance	Ohm / km	34,50

Color List

1	Black
2	Blue
3	Brown
4	Yellow
5	Green
6	Violet
7	White
8	Orange
9	Transparent
10	Grey

Standards

Inner Conductor
Insulation
Jacket
Fire behaviour

International / European

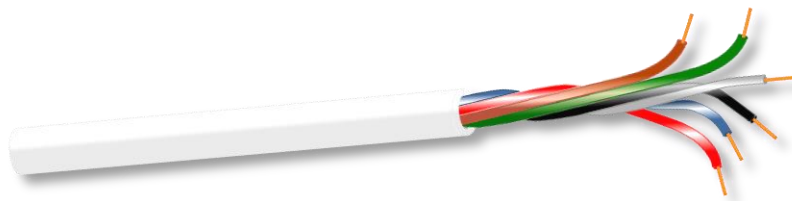
EN 60228 Cl. 1
EN 50363-3
EN 50363-4-1
EN 60332-1-2

German

VDE 0295 Kl. 1
VDE 0207-363-3
VDE 0207-363-4-1
VDE 0482-332-1-2

Application

For indoor installation in conduits, cable ducts or on the wall surface. This cable is suitable for the application in interconnecting devices . Not suitable as electrical cable.



Construction

Item	Inner Conductor		Insulation		Jacket Color	Jacket Diameter (Approx.) mm	Weight kg / km
	Cores Nr / Ø mm	Section Nr / mm ²	Construction (Approx.) Nr / Ø mm	Diameter mm			
YYSCH06002B	2 x 0,60	2 x 0,28	1 x 0,60	0,95	White	3,10	19,0
YYSCH06003B	3 x 0,60	3 x 0,28				3,30	23,5
YYSCH06004B	4 x 0,60	4 x 0,28				3,70	28,7
YYSCH06005B	5 x 0,60	5 x 0,28				4,00	35,0
YYSCH06006B	6 x 0,60	6 x 0,28				4,30	40,0
YYSCH06010B	10 x 0,60	10 x 0,28				5,40	62,0
YYSCH06016B	16 x 0,60	16 x 0,28				6,30	92,0
YYSCH06026B	24 x 0,60	24 x 0,28				7,80	144,0

Technical Data

Inner Conductor	Bare Copper, Solid	Operating Voltage U ₀ /U	Volt	65
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	Test Voltage	Volt	500
Identification	Colored	Insulation Resistance	MOhm / km	> 50
Cabling	Conductors cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	Min. Bending Radius	Fixed Installation	10 x Diameter
Color	White RAL 9010	Inner Conductor Resistance	Ohm / km	61,00

Color List

	2 to 10 x 0,60	16 x 0,60	24 x 0,60
1	Yellow	Yellow	White
2	Brown	Brown	Black
3	Green	Light Grey	Light Blue
4	Black	Light Blue	Brown
5	Blue	Black	Green
6	Red	White	Yellow
7	Grey	Dark Blue	Light Grey
8	White	Orange	Pink
9	Violet	Transparent	Dark Blue
10	Orange	Dark Grey	Red
11		Green	Transparent
12		Violet	Dark Grey
13		Pink	Violet
14		Light Green	Light Green
15		Red	Orange
16		Turquoise	Ivory
17			White-Blue
18			White-Yellow
19			White-Green
20			White-Brown
21			White-Black
22			Red-Blue
23			Red-Yellow
24			Red-Green
25			Red-Brown
26			Red-Black

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-3
Identification	According to (ÖVE K 50)
Jacket	EN 50363-4-1
Fire behaviour	EN 60332-1-2

International / European

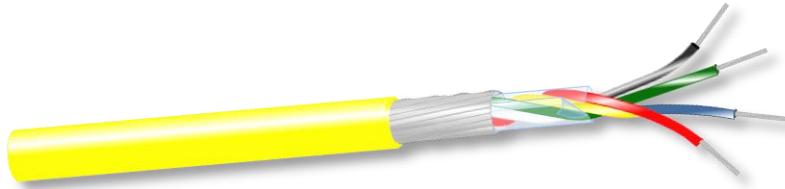
Standards

Inner Conductor	VDE 0295 Kl. 1
Insulation	VDE 0207-363-3
Identification	nach (ÖVE K 50)
Jacket	VDE 0207-363-4-1
Reaction to fire	VDE 0482-332-1-2

German

Application

For fixed installations in audio and telecommunication systems, where there are strong magnetic interference and radiations. It is used as a data cable as well as modem cable. Suitable for indoor installation.



Construction

Item	Inner Conductor		Insulation Diameter	Color	Shield	Jacket		Weight	
	Cores Section	Construction (Approx.)				Color	Diameter		
	Nr / \emptyset mm	Nr / mm ²	Nr / \emptyset mm	mm			mm	kg / km	
Z1474	4 x 5/10	4 x 0,22	1 x 0,50	1,00	Red Blue Black Green	Tinned Copper, Spiral	Yellow	4,00	31,0

Technical Data

Inner Conductor	Tinned Copper, Solid	Peak Operating Voltage	Volt	300
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	Impedance	0,1-2 Mhz Volt	850
Identification	Colored	Operating Capacity	nF/km	120
Cabling	Conductors cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Taping	Polyester foil	Min. Bending Radius	Fixed Installation	10 x Diameter
Shield	Tinned Copper, Spiral			
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	Inner Conductor Resistance	Ohm / km	87,90
Color	Yellow RAL 1021			

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour

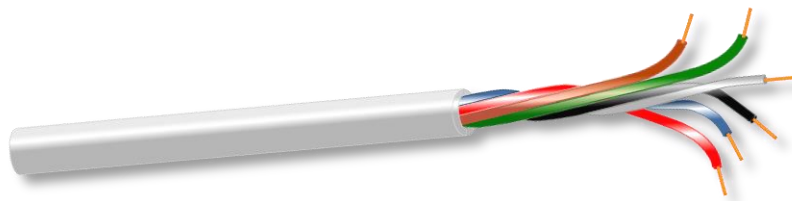
International / European

EN 60228 Cl. 1
EN 50363-3
According to ÖVE-K50 / 1984
EN 50363-4-1
EN 60332-3

German

VDE 0295 Kl. 1
VDE 0207-363-3
in Anlehnung an ÖVE-K50 / 1984
VDE 0207-363-4-1
VDE 0482-332-3

Application Communication cable suitable for indoor use in offices, factories, homes. Only for fixed installations.
NOT suitable for underground installation .



Construction

Item	Inner Conductor		Insulation		Color	Jacket Diameter	Weight
	Cores Section		Construction (Approx.)	Diameter			
	Nr / Ø mm	Nr / mm ²	Nr / Ø mm	mm		mm	kg / km
SVVF205002	2 x 0,80	2 x 0,50	1 x 0,80	1,45	Grey	4,50	26,7
SVVF205004	4 x 0,80	4 x 0,50				5,10	41,4
SVVF205006	6 x 0,80	6 x 0,50				6,00	57,2
SVVF205008	8 x 0,80	8 x 0,50				6,40	71,4
SVVF205010	10 x 0,80	10 x 0,50				7,40	87,7
SVVF205012	12 x 0,80	12 x 0,50				7,60	101,0
SVVF205014	14 x 0,80	14 x 0,50				8,20	118,8
SVVF205016	16 x 0,80	16 x 0,50				8,60	133,0
SVVF205020	20 x 0,80	20 x 0,50				9,50	161,7
SVVF205024	24 x 0,80	24 x 0,50				10,50	191,0

Technical Data

Inner Conductor	Bare Copper, Solid	Operating Voltage U ₀ /U	Volt	150
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	Test Voltage	Volt	1500
Identification	Color List	Insulation Resistance	MOhm / km	> 50
Cabling	Conductors cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	Min. Bending Radius	Fixed Installation	10 x Diameter
Color	Grey RAL 7001	Inner Conductor Resistance	Ohm / km	34,5

Color List

Core	Color Code 1	Color Code 2	from 2 to 10 Cores	Color Code 3	12 Cores	14 Cores
1	White	White	White	White	White	White
2	Blue	Blue	Blue	Blue	Blue	Blue
3	Red	Red	Yellow	Yellow	Yellow	Yellow
4	Yellow	Yellow	Red	Red	Red	Red
5	Grey	Grey	Grey	Grey	Grey	Grey
6	Green	Green	Green	Green	Green	Green
7	Orange	Orange	Orange	Orange	Orange	Orange
8	Violet	Violet	Violet	Violet	Violet	Violet
9	Black	Black	Brown	Brown	Brown	Brown
10	Brown	Brown	Black	White	White	Black
11	Black / Blue	Pink		Blue	Blue	White
12	Black / White	Light Blue		Yellow	Yellow	Blue
13	Black / Red	Light Green				Yellow
14	Black / Yellow	Light Grey				Red
15	Black / Green	Turquoise				
16	Light Green	Ivory				
17		White / Blue				
18		White / Yellow				
19		White / Red				
20		White / Grey				
21		White / Green				
22		White / Orange				
23		White / Violet				
24		White / Brown				

Standards

Inner Conductor
Insulation
Jacket
Fire behaviour

International / European

EN 60228 Cl. 1
EN 50363-3
EN 50363-4-1
IEC 60332.3C

German

VDE 0295 Kl. 1
VDE 0207-363-3
VDE 0207-363-4-1
VDE 0482-332-3

Application

Communication cable suitable for indoor use in offices, factories, homes. Only for fixed installations.
NOT suitable for underground installation .



Construction

Item	Inner Conductor		Insulation		Shielded Pairs	Jacket		Weight
	Cores Section		Construction (Approx.)	Diameter		Color	Diameter	
	Nr / Ø mm	Nr / mm ²	Nr / Ø mm	mm		mm	kg / km	
TPVFF201	1 x 2 x 0,60	1 x 2 x 0,28	1 x 0,60	1,20	Aluminium / PET foil	White	4,10	23,0
TPVFF202	2 x 2 x 0,60	2 x 2 x 0,28			+		6,20	39,0
TPVFF203	3 x 2 x 0,60	3 x 2 x 0,28			Tinned Copper, Solid		6,50	48,0
TPVFF204	4 x 2 x 0,60	4 x 2 x 0,28					7,00	59,0
TPVFF206	6 x 2 x 0,60	6 x 2 x 0,28					8,40	86,0
TPVFF208	8 x 2 x 0,60	8 x 2 x 0,28					9,10	100,0
TPVFF210	10 x 2 x 0,60	10 x 2 x 0,28					10,20	121,0
TPVFF212	12 x 2 x 0,60	12 x 2 x 0,28					11,40	151,0
TPVFF215	15 x 2 x 0,60	15 x 2 x 0,28					12,30	180,0
TPVFF220	20 x 2 x 0,60	20 x 2 x 0,28					13,60	228,0
TPVFF230	30 x 2 x 0,60	30 x 2 x 0,28					16,00	335,0

Technical Data

Inner Conductor	Tinned Copper, Solid	Operating Voltage U ₀ /U	Volt	250
Insulation	Polyethylene	Test Voltage	Volt	2500
Identification	Color List	Insulation Resistance	MOhm / km	> 50
Pair Shield	Aluminium / PET foil	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
	Tinned Copper, Solid	Min. Bending Radius	Fixed Installation	20 x Diameter
Cabling	Pairs cabled in concentric layers			
Taping	Polyester foil	Inner Conductor Resistance	Ohm / km	61,00
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	Capacity	nF/km	50
Color	White RAL 9010	Crosstalk	dB	90

Color List

Pairs	Color Core A	Color Core B	Pairs	Color Core A	Color Core B
1	White	Blue	16	Black	Brown
2	White	Orange	17	Black	Violet
3	White	Green	18	Black	Grey
4	White	Brown	19	Yellow	Blue
5	White	Violet	20	Yellow	Orange
6	White	Grey	21	Yellow	Green
7	Red	Blue	22	Yellow	Brown
8	Red	Orange	23	Yellow	Violet
9	Red	Green	24	Yellow	Grey
10	Red	Brown	25	Brown	Blue
11	Red	Violet	26	Brown	Orange
12	Red	Grey	27	Brown	Green
13	Black	Blue	28	Brown	Violet
14	Black	Orange	29	Green	Blue
15	Black	Green	30	Green	Orange

Standards

Inner Conductor
Jacket
Fire behaviour

International / European

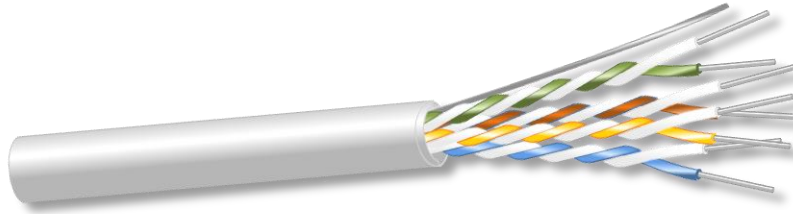
EN 60228 Cl. 1
EN 50363-4-1
IEC 60332.3C

German

VDE 0295 Kl. 1
VDE 0207-363-4-1
VDE 0482-332-3

Application

Communication cable suitable for indoor use in offices, factories, homes. Only for fixed installations.
NOT suitable for underground installation .



Construction

Item	Inner Conductor		Insulation		Drain Wire	Jacket		Weight
	Nr / Ø mm	Cores Section Nr / mm ²	Construction (Approx.) Nr / Ø mm	Diameter mm		Color	Diameter mm	
VVTF202	1 x 2 x 0,60	1 x 2 x 0,28	1 x 0,60	0,95	Tinned Copper, Solid	Grey	3,50	20,0
VVTF203	1 x 3 x 0,60	1 x 3 x 0,28					3,70	25,0
VVTF204	1 x 4 x 0,60	1 x 4 x 0,28					3,90	30,0
VVTF2P03	3 x 2 x 0,60	3 x 2 x 0,28					6,00	50,0
VVTF2P04	4 x 2 x 0,60	4 x 2 x 0,28					6,60	55,0
VVTF2P06	6 x 2 x 0,60	6 x 2 x 0,28					7,50	75,0
VVTF2P08	8 x 2 x 0,60	8 x 2 x 0,28					8,20	95,0
VVTF2P10	10 x 2 x 0,60	10 x 2 x 0,28					9,40	115,0
VVTF2P14	14 x 2 x 0,60	14 x 2 x 0,28					10,60	155,0
VVTF2P20	20 x 2 x 0,60	20 x 2 x 0,28					12,10	210,0
VVTF2P26	26 x 2 x 0,60	26 x 2 x 0,28					13,50	260,0
VVTF2P30	30 x 2 x 0,60	30 x 2 x 0,28					14,80	310,0
VVTF2P40	30 x 2 x 0,60	30 x 2 x 0,28					16,60	400,0

Technical Data

Inner Conductor	Tinned Copper, Solid	Operating Voltage U ₀ /U	Volt	150
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	Test Voltage	Volt	1000
Identification	Color List	Insulation Resistance	MOhm / km	> 50
Cabling	Pairs cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Drain Wire	Tinned Copper, Solid	Min. Bending Radius	Fixed Installation	20 x Diameter
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	Inner Conductor Resistance	Ohm / km	61,00
Color	Grey RAL 7001	Capacity	800 MHz nF/km	80-88

Color List

Core	Color Core A	Color Core B	Color Core C	Color Core D	
1 x 2 x 0.60	White	Blue			
1 x 3 x 0.60	White	Blue	Turquoise		
1 x 4 x 0.60	White	Blue	Turquoise	Violet	
Pairs	Color Core A	Color Core B	Pairs	Color Core A	Color Core B
1	White	Blue	21	White / Blue	Blue
2	White	Orange	22	White / Blue	Orange
3	White	Green	23	White / Blue	Green
4	White	Brown	24	White / Blue	Brown
5	White	Grey	25	White / Blue	Grey
6	Red	Blue	26	Red / Blue	Blue
7	Red	Orange	27	Red / Blue	Orange
8	Red	Green	28	Red / Blue	Green
9	Red	Brown	29	Red / Blue	Brown
10	Red	Grey	30	Red / Blue	Grey
11	Black	Blue	31	Black / Blue	Blue
12	Black	Orange	32	Black / Blue	Orange
13	Black	Green	33	Black / Blue	Green
14	Black	Brown	34	Black / Blue	Brown
15	Black	Grey	35	Black / Blue	Grey
16	Yellow	Blue	36	Yellow / Blue	Blue
17	Yellow	Orange	37	Yellow / Blue	Orange
18	Yellow	Green	38	Yellow / Blue	Green
19	Yellow	Brown	39	Yellow / Blue	Brown
20	Yellow	Grey	40	Yellow / Blue	Grey

Standards

Inner Conductor
Insulation
Jacket
Fire behaviour

International / European

EN 60228 Cl. 1
EN 50363-3
EN 50363-4-1
IEC 60332.3C

German

VDE 0295 Kl. 1
VDE 0207-363-3
VDE 0207-363-4-1
VDE 0482-332-3

Application Shielded Telephone cable suitable for indoor use in offices, factories, homes. Only for fixed installations.
NOT suitable for underground installation .



Construction

Item	Inner Conductor		Insulation		Shield	Jacket		Weight
	Cores Section		Construction (Approx.)	Diameter		Color	Diameter	
	Nr / Ø mm	Nr / mm ²	Nr / Ø mm	mm		mm	kg / km	
TVVFF208002	1 x 2 x 0,80	1 x 2 x 0,50	1 x 0,80	1,55	Aluminium / PET foil	Red	4,30	24,0
TVVFF208004	1 x 4 x 0,80	1 x 4 x 0,50			+ Tinned Copper, Solid		4,90	42,0

Technical Data

Inner Conductor	Bare Copper, Solid	Operating Voltage U ₀ /U	Volt	150
Insulation	Polyvinylchloride (PVC) TI2 (YI2)	Test Voltage	Volt	1000
Identification	Colored	Insulation Resistance	MOhm / km	> 50
Cabling	Conductors cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Shield	Aluminium / PET foil Tinned Copper, Solid	Min. Bending Radius	Fixed Installation	10 x Diameter
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	Inner Conductor Resistance	Ohm / km	34,5
Color	Red RAL 3000	Capacity	800 MHz nF/km	100

Color List

Pairs	Color Core A	Color Core B	Color Core C	Color Core D
1 x 2 x 0.60	White	Blue		
1 x 4 x 0.60	White	Turquoise	Blue	Violet

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-3
Jacket	EN 50363-4-1
Fire behaviour	IEC 60332.3C

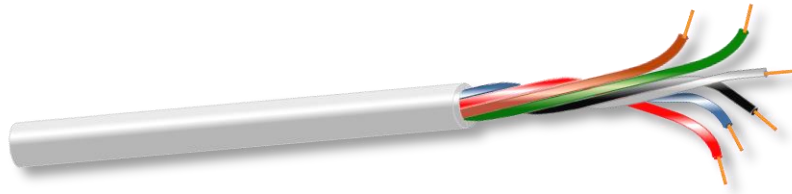
International / European

German

VDE 0295 Kl. 1
VDE 0207-363-3
VDE 0207-363-4-1
VDE 0482-332-3

Application

Communication cable suitable for indoor use, Insulation and the sheath made in special polymer LSZH, that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.). Only for fixed installations. NOT suitable for underground installation .



Construction

Item	Inner Conductor		Insulation		Jacket		Weight kg / km
	Cores Section Nr / Ø mm	Nr / mm ²	Construction (Approx.) Nr / Ø mm	Diameter mm	Color	Diameter mm	
SVVZH05002	2 x 0,80	2 x 0,50	1 x 0,80	1,45	Grey	4,50	26,7
SVVZH05004	4 x 0,80	4 x 0,50				5,10	41,4
SVVZH05006	6 x 0,80	6 x 0,50				6,00	57,2
SVVZH05008	8 x 0,80	8 x 0,50				6,40	71,4
SVVZH05010	10 x 0,80	10 x 0,50				7,40	87,7
SVVZH05012	12 x 0,80	12 x 0,50				7,60	101,0
SVVZH05014	14 x 0,80	14 x 0,50				8,20	118,8
SVVZH05016	16 x 0,80	16 x 0,50				8,60	133,0
SVVZH05020	20 x 0,80	20 x 0,50				9,50	161,7
SVVZH05024	24 x 0,80	24 x 0,50				10,50	191,0

Technical Data

Inner Conductor	Bare Copper, Solid	Operating Voltage U ₀ /U	Volt	150
Insulation	Thermoplastic Halogen-free compound T17	Test Voltage	Volt	1500
Identification	Color List	Insulation Resistance	MOhm / km	> 50
Cabling	Conductors cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Jacket	Thermoplastic Halogen-free compound M1	Min. Bending Radius	Fixed Installation	10 x Diameter
Color	Grey RAL 7001	Inner Conductor Resistance	Ohm / km	34,5

Color List

Core	Color Code 1	Color Code 2	from 2 to 10 Cores	Color Code 3	12 Cores	14 Cores
1	White	White	White	White	White	White
2	Blue	Blue	Blue	Blue	Blue	Blue
3	Red	Red	Yellow	Yellow	Yellow	Yellow
4	Yellow	Yellow	Red	Red	Red	Red
5	Grey	Grey	Grey	Grey	Grey	Grey
6	Green	Green	Green	Green	Green	Green
7	Orange	Orange	Orange	Orange	Orange	Orange
8	Violet	Violet	Violet	Violet	Violet	Violet
9	Black	Black	Brown	Brown	Brown	Brown
10	Brown	Brown	Black	White	White	Black
11	Black / Blue	Pink		Blue	Blue	White
12	Black / White	Light Blue		Yellow	Yellow	Blue
13	Black / Red	Light Green				Yellow
14	Black / Yellow	Light Grey				Red
15	Black / Green	Turquoise				
16	Light Green	Ivory				
17		White / Blue				
18		White / Yellow				
19		White / Red				
20		White / Grey				
21		White / Green				
22		White / Orange				
23		White / Violet				
24		White / Brown				

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-7
Jacket	EN 50363-8
Halogen Free	IEC 60754.1; EN 50267-2-1
Fire behaviour	IEC 60332.3; EN 60332-3
Low smoke emission	EN 61034.1-2; EN50268.1-2
Corrosive gases and halogen	IEC 60754-2; EN 50267-2-2

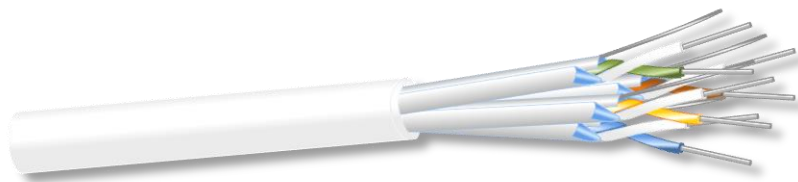
International / European

German

VDE 0295 Kl. 1
VDE 0207-363-7
VDE 0207-363-8
VDE 0482-267-2-1
VDE 0482-332-3
VDE 0482-268.1-2
VDE 0482-267-2-2

Application

Shielded pairs telephone cable suitable for indoor use, Insulation and the sheath made in special polymer LSZH, that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.). Only for fixed installations. NOT suitable for underground installation .



Construction

Item	Inner Conductor		Insulation		Shielded Pairs	Jacket		Weight kg / km
	Cores Section		Construction (Approx.)	Diameter		Color	Diameter	
	Nr / Ø mm	Nr / mm ²	Nr / Ø mm	mm			mm	
TPVFZH01	1 x 2 x 0,60	1 x 2 x 0,28	1 x 0,60	1,20	Aluminium / PET foil +	White	4,10	23,0
TPVFZH02	2 x 2 x 0,60	2 x 2 x 0,28					6,20	39,0
TPVFZH03	3 x 2 x 0,60	3 x 2 x 0,28			Tinned Copper, Solid		6,50	48,0
TPVFZH04	4 x 2 x 0,60	4 x 2 x 0,28					7,00	59,0
TPVFZH06	6 x 2 x 0,60	6 x 2 x 0,28					8,40	86,0
TPVFZH08	8 x 2 x 0,60	8 x 2 x 0,28					9,10	100,0
TPVFZH10	10 x 2 x 0,60	10 x 2 x 0,28					10,20	121,0
TPVFZH12	12 x 2 x 0,60	12 x 2 x 0,28					11,40	151,0
TPVFZH15	15 x 2 x 0,60	15 x 2 x 0,28					12,30	180,0
TPVFZH20	20 x 2 x 0,60	20 x 2 x 0,28					13,60	228,0
TPVFZH30	30 x 2 x 0,60	30 x 2 x 0,28					16,00	335,0

Technical Data

Inner Conductor	Tinned Copper, Solid	Operating Voltage U ₀ /U	Volt	250
Insulation	Polyethylene	Test Voltage	Volt	2500
Identification	Color List	Insulation Resistance	MOhm / km	> 50
Pair Shield	Aluminium / PET foil	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
	Tinned Copper, Solid	Min. Bending Radius	Fixed Installation	20 x Diameter
Cabling	Pairs cabled in concentric layers			
Taping	Polyester foil	Inner Conductor Resistance	Ohm / km	61,00
Jacket	Thermoplastic Halogen-free compound M1	Capacity 800 MHz	nF/km	50
Color	White RAL 9010	Crosstalk	dB	90

Color List

Pairs	Color Core A	Color Core B	Pairs	Color Core A	Color Core B
1	White	Blue	16	Black	Brown
2	White	Orange	17	Black	Violet
3	White	Green	18	Black	Grey
4	White	Brown	19	Yellow	Blue
5	White	Violet	20	Yellow	Orange
6	White	Grey	21	Yellow	Green
7	Red	Blue	22	Yellow	Brown
8	Red	Orange	23	Yellow	Violet
9	Red	Green	24	Yellow	Grey
10	Red	Brown	25	Brown	Blue
11	Red	Violet	26	Brown	Orange
12	Red	Grey	27	Brown	Green
13	Black	Blue	28	Brown	Violet
14	Black	Orange	29	Green	Blue
15	Black	Green	30	Green	Orange

Standards

Inner Conductor
Jacket
Halogen Free
Fire behaviour
Low smoke emission
Corrosive gases and halogen

International / European

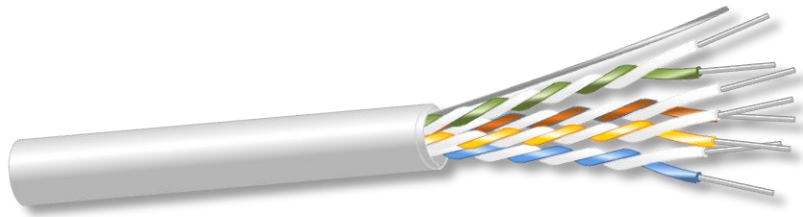
EN 60228 Cl. 1
EN 50363-8
IEC 60754.1; EN 50267-2-1
IEC 60332.3; EN 60332-3
EN 61034.1-2; EN50268.1-2
IEC 60754-2; EN 50267-2-2

German

VDE 0295 Kl. 1
VDE 0207-363-8
VDE 0482-267-2-1
VDE 0482-332-3
VDE 0482-268.1-2
VDE 0482-267-2-2

Application

Telephone cable suitable for indoor use. Insulation and the sheath made in special polymer LSZH, that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.). Only for fixed installations. NOT suitable for underground installation .



Construction

Item	Inner Conductor		Insulation		Drain Wire	Jacket		Weight
	Cores Section	Nr / \varnothing mm	Construction (Approx.) Nr / \varnothing mm	Diameter mm		Color	Diameter mm	
VVTZH02	1 x 2 x 0,60	1 x 2 x 0,28	1 x 0,60	0,95	Tinned Copper, Solid	Grey	3,50	20,0
VVTZH03	1 x 3 x 0,60	1 x 3 x 0,28					3,70	25,0
VVTZH04	1 x 4 x 0,60	1 x 4 x 0,28					3,90	30,0
VVTZHP03	3 x 2 x 0,60	3 x 2 x 0,28					6,00	50,0
VVTZHP04	4 x 2 x 0,60	4 x 2 x 0,28					6,60	55,0
VVTZHP06	6 x 2 x 0,60	6 x 2 x 0,28					7,50	75,0
VVTZHP08	8 x 2 x 0,60	8 x 2 x 0,28					8,20	95,0
VVTZHP10	10 x 2 x 0,60	10 x 2 x 0,28					9,40	115,0
VVTZHP14	14 x 2 x 0,60	14 x 2 x 0,28					10,60	155,0
VVTZHP20	20 x 2 x 0,60	20 x 2 x 0,28					12,10	210,0
VVTZHP26	26 x 2 x 0,60	26 x 2 x 0,28					13,50	260,0
VVTZHP30	30 x 2 x 0,60	30 x 2 x 0,28					14,80	310,0
VVTZHP40	30 x 2 x 0,60	30 x 2 x 0,28					16,60	400,0

Technical Data

Inner Conductor	Tinned Copper, Solid	Operating Voltage U _o /U	Volt	150
Insulation	Thermoplastic Halogen-free compound T17	Test Voltage	Volt	1000
Identification	Color List	Insulation Resistance	MOhm / km	> 50
Cabling	Pairs cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Drain Wire	Tinned Copper, Solid	Min. Bending Radius	Fixed Installation	20 x Diameter
Jacket	Thermoplastic Halogen-free compound M1	Inner Conductor Resistance	Ohm / km	61,00
Color	Grey RAL 7001	Capacity	nF/km	80-88

Color List

Core	Color Core A	Color Core B	Color Core C	Color Core D
1 x 2 x 0.60	White	Blue		
1 x 3 x 0.60	White	Blue	Turquoise	
1 x 4 x 0.60	White	Blue	Turquoise	Violet

Pairs	Color Core A	Color Core B	Pairs	Color Core A	Color Core B
1	White	Blue	21	White / Blue	Blue
2	White	Orange	22	White / Blue	Orange
3	White	Green	23	White / Blue	Green
4	White	Brown	24	White / Blue	Brown
5	White	Grey	25	White / Blue	Grey
6	Red	Blue	26	Red / Blue	Blue
7	Red	Orange	27	Red / Blue	Orange
8	Red	Green	28	Red / Blue	Green
9	Red	Brown	29	Red / Blue	Brown
10	Red	Grey	30	Red / Blue	Grey
11	Black	Blue	31	Black / Blue	Blue
12	Black	Orange	32	Black / Blue	Orange
13	Black	Green	33	Black / Blue	Green
14	Black	Brown	34	Black / Blue	Brown
15	Black	Grey	35	Black / Blue	Grey
16	Yellow	Blue	36	Yellow / Blue	Blue
17	Yellow	Orange	37	Yellow / Blue	Orange
18	Yellow	Green	38	Yellow / Blue	Green
19	Yellow	Brown	39	Yellow / Blue	Brown
20	Yellow	Grey	40	Yellow / Blue	Grey

Standards

Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-7
Jacket	EN 50363-8
Halogen Free	IEC 60754.1; EN 50267-2-1
Fire behaviour	IEC 60332.3; EN 60332-3
Low smoke emission	EN 61034.1-2; EN50268.1-2
Corrosive gases and halogen	IEC 60754-2; EN 50267-2-2

International / European

German

VDE 0295 Kl. 1
VDE 0207-363-7
VDE 0207-363-8
VDE 0482-267-2-1
VDE 0482-332-3
VDE 0482-268.1-2
VDE 0482-267-2-2

Application

Shielded telephone cable suitable also for fire detection systems, for indoor use. Insulation and the sheath made in special polymer LSZH, that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.). Only for fixed installations. NOT suitable for underground installation .



Construction

Item	Inner Conductor		Insulation		Shield	Jacket		Weight
	Cores	Section	Construction	Diameter		Color	Diameter	
	Nr / Ø mm	Nr / mm ²	(Approx.) Nr / Ø mm	mm		mm	kg / km	
TVVFZH08002	1 x 2 x 0,80	1 x 2 x 0,50	1 x 0,80	1,55	Aluminium / PET foil	Red	4,30	24,0
TVVFZH08004	1 x 4 x 0,80	1 x 4 x 0,50			+ Tinned Copper, Solid		4,90	42,0

Technical Data

Inner Conductor	Bare Copper, Solid	Operating Voltage U ₀ /U	Volt	150
Insulation	Thermoplastic Halogen-free compound T17	Test Voltage	Volt	1000
Identification	Color List	Insulation Resistance	MOhm / km	> 50
Cabling	Conductors cabled in concentric layers	Temperature Range	Fixed Installation	- 15 °C / + 70 °C
Shield	Aluminium / PET foil	Min. Bending Radius	Fixed Installation	10 x Diameter
	Tinned Copper, Solid			
Jacket	Thermoplastic Halogen-free compound M1	Inner Conductor Resistance	Ohm / km	34,5
Color	Red RAL 3000	Capacity	800 MHz nF/km	100

Color List

Core	Color Core A	Color Core B	Color Core C	Color Core D
1 x 2 x 0.60	White	Blue		
1 x 4 x 0.60	White	Turquoise	Blue	Violet

Standards

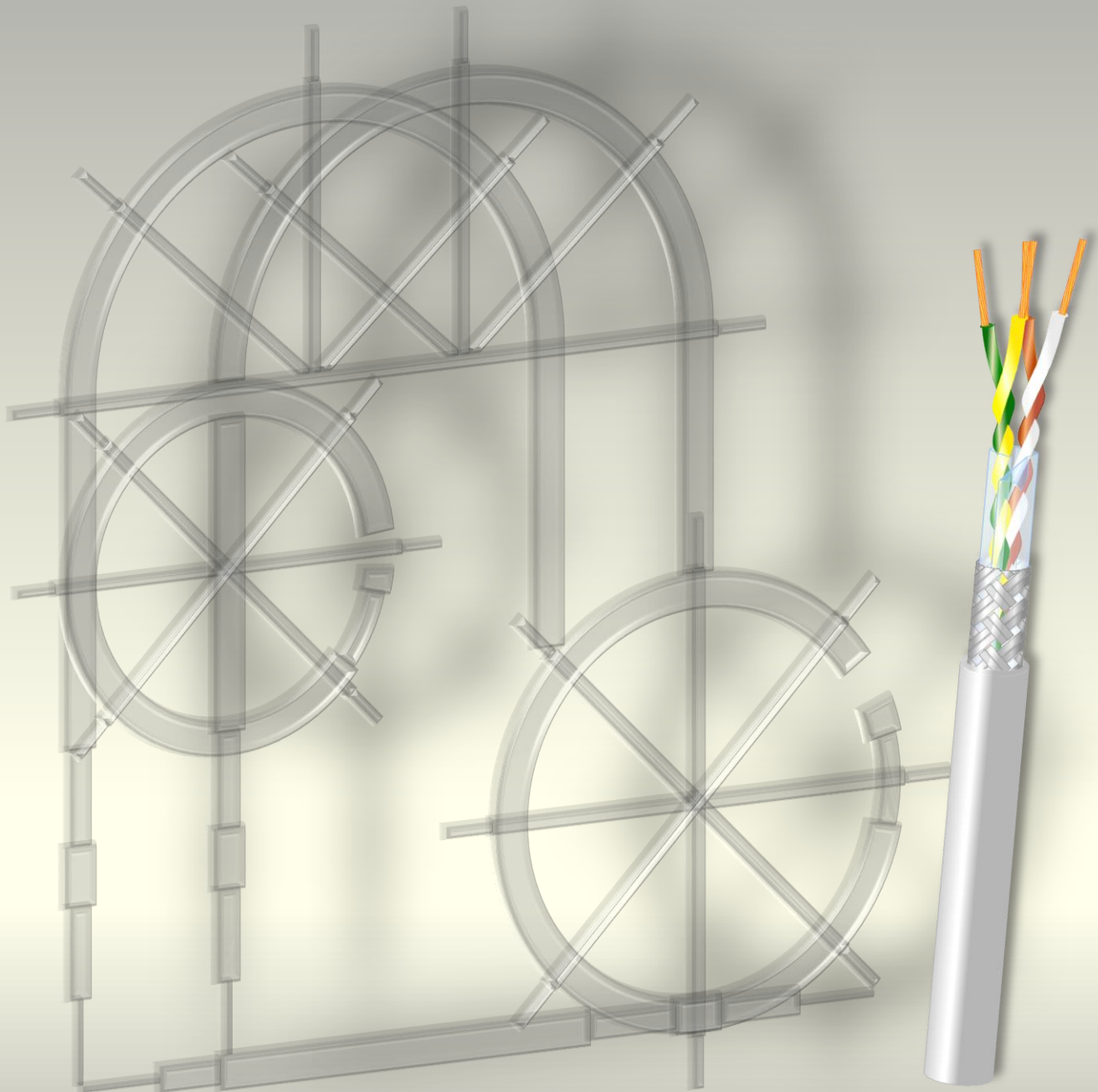
Inner Conductor	EN 60228 Cl. 1
Insulation	EN 50363-7
Jacket	EN 50363-8
Halogen Free	IEC 60754.1; EN 50267-2-1
Fire behaviour	IEC 60332.3; EN 60332-3
Low smoke emission	EN 61034.1-2; EN50268.1-2
Corrosive gases and halogen	IEC 60754-2; EN 50267-2-2

International / European

German

VDE 0295 Kl. 1
VDE 0207-363-7
VDE 0207-363-8
VDE 0482-267-2-1
VDE 0482-332-3
VDE 0482-268.1-2
VDE 0482-267-2-2

CONTROL CABLES



CATALOGUE 141

Index CONTROL CABLES

Material	Description		Page	
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	Electronic cables shielded	LI-YYC	8.08 / 8.10	
	Electronic cables shielded, pairs	LI-YYC TP	8.11 / 8.12	
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	Flexible control cables, colored	YSLY-JB/OB	8.16 / 8.18	
	Flexible control cables, numbered, UV-Resistant	YSLY-JZ/OZ 0.6/1 KV	8.19 / 8.20	
	Flexible control cables, numbered - Cu-shielded	YSLCY-JZ/OZ	8.21 / 8.23	
	Flexible control cables, colored - Cu-shielded	YSLCY-JB/OB	8.24 / 8.26	
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		Flexible control cables, colored	YSL11Y-JB/OB	8.36 / 8.37
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	Flexible control cables, numbered	HSLH-JZ/OZ	8.46 / 8.47	
	Flexible control cables, numbered	HSLH-JZ/OZ 0.6/1 KV	8.48 / 8.49	
	Flexible control cables, numbered - Cu-shielded	HSLCH-JZ/OZ	8.50 / 8.51	
	Flexible control cables, numbered - Cu-shielded	HSLH-CH-JZ/OZ	8.52 / 8.53	

Application

For flexible use in free movement without tensile stress and without forced movement control in dry, damp and wet areas, but not outdoors, in any place where constructive or structural measures in the outer diameter minimum control and signal lines are required. This applies especially to such areas as tool machine industries as well as electronic, computer, measurement and control sectors.

Electronic cables unshielded



Marking

LIYY05004B - PROSPECTA LIYY 4 x 0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors cabled in concentric layers	0,14	18 x 0.10	1,00	0,25
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	0,25	8 x 0.20	1,20	0,28
Color	Grey RAL 7001	0,25	14 x 0.15	1,20	0,27
On demand	Grey 7032; Black 9005; Blue 5015	0,35	11 x 0.20	1,40	0,31
		0,50	16 x 0.20	1,65	0,37
		0,75	24 x 0.20	1,90	0,37
		1,00	30 x 0.20	2,10	0,43
		1,50	30 x 0.25	2,60	0,51

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Peak Operating Voltage	Section	0,14	Volt	500
		0,25 ± 1,50	Volt	900
Test Voltage	Section	0,14	Volt (Ac)	1.200
		0,25 ± 1,50	Volt (Ac)	2.500
Insulation Resistance	MOhm x km	> 200	0,35	57,00
Temperature Range	Fixed Installation	-20 °C / + 70 °C	0,50	39,00
	Mobile Installation	- 5 °C / + 50 °C	0,75	26,00
Min. Bending Radius	Fixed Installation	10 x Diameter	1,00	19,50
	Mobile Installation	20 x Diameter	1,50	13,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
On demand
General

International / European

EN 60228 Cl. 5
EN 50363-3
EN 50363-4-1
IEC 60332-1-2; EN 60332-1-2
IEC 60332.3; EN 60332.3

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
DIN 47100
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0482-332-3
VDE 0245; VDE 0812

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

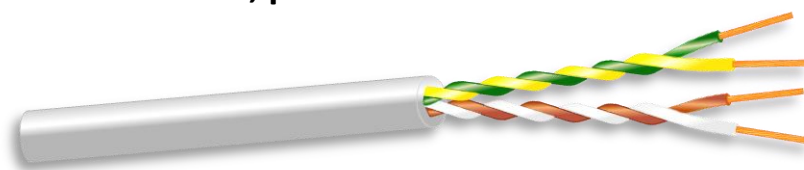
Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIYY01402B	2x0.14	3,10	13,6	LIYY02502B	2x0.25	3,60	18,4
LIYY01403B	3x0.14	3,30	16,0	LIYY02503B	3x0.25	3,80	21,9
LIYY01404B	4x0.14	3,60	19,1	LIYY02504B	4x0.25	4,20	26,3
LIYY01405B	5x0.14	3,90	22,5	LIYY02505B	5x0.25	4,60	31,3
LIYY01406B	6x0.14	4,30	26,2	LIYY02506B	6x0.25	5,00	36,5
LIYY01407B	7x0.14	4,30	28,4	LIYY02507B	7x0.25	5,00	39,7
LIYY01408B	8x0.14	4,60	32,2	LIYY02508B	8x0.25	5,40	45,1
LIYY01410B	10x0.14	5,40	41,2	LIYY02510B	10x0.25	6,40	58,1
LIYY01412B	12x0.14	5,60	46,1	LIYY02512B	12x0.25	6,60	65,3
LIYY01414B	14x0.14	5,90	51,9	LIYY02514B	14x0.25	6,90	73,8
LIYY01416B	16x0.14	6,30	58,1	LIYY02516B	16x0.25	7,30	82,7
LIYY01418B	18x0.14	6,60	64,4	LIYY02518B	18x0.25	7,80	91,9
LIYY01420B	20x0.14	7,00	70,9	LIYY02520B	20x0.25	8,20	101,3
LIYY01421B	21x0.14	7,00	73,0	LIYY02521B	21x0.25	8,20	104,5
LIYY01424B	24x0.14	7,80	85,4	LIYY02524B	24x0.25	9,20	122,3
LIYY01425B	25x0.14	7,80	86,9	LIYY02527B	27x0.25	9,40	133,1
LIYY01427B	27x0.14	7,90	92,7	LIYY02530B	30x0.25	9,70	145,5
LIYY01430B	30x0.14	8,20	101,1	LIYY02532B	32x0.25	10,10	155,1
LIYY01432B	32x0.14	8,60	107,8	LIYY02536B	36x0.25	10,50	172,4
LIYY01436B	36x0.14	8,90	119,5	LIYY02540B	40x0.25	11,00	189,8
LIYY01440B	40x0.14	9,30	131,5				
LIYY025A02B	2x0.25 (0,15)	3,60	18,8	LIYY03502B	2x0.35	4,10	24,0
LIYY025A03B	3x0.25 (0,15)	3,80	22,4	LIYY03503B	3x0.35	4,30	28,7
LIYY025A04B	4x0.25 (0,15)	4,20	27,0	LIYY03504B	4x0.35	4,70	34,7
LIYY025A05B	5x0.25 (0,15)	4,60	32,2	LIYY03505B	5x0.35	5,20	41,4
LIYY025A06B	6x0.25 (0,15)	5,00	37,5	LIYY03506B	6x0.35	5,70	48,5
LIYY025A07B	7x0.25 (0,15)	5,00	41,0	LIYY03507B	7x0.35	5,70	53,0
LIYY025A08B	8x0.25 (0,15)	5,40	46,5	LIYY03508B	8x0.35	6,20	60,3
LIYY025A10B	10x0.25 (0,15)	6,40	59,8	LIYY03510B	10x0.35	7,30	77,7
LIYY025A12B	12x0.25 (0,15)	6,60	67,4	LIYY03512B	12x0.35	7,50	87,7
LIYY025A14B	14x0.25 (0,15)	6,90	76,2	LIYY03514B	14x0.35	8,00	99,3
LIYY025A16B	16x0.25 (0,15)	7,30	85,5	LIYY03516B	16x0.35	8,40	111,6
LIYY025A18B	18x0.25 (0,15)	7,80	95,1	LIYY03518B	18x0.35	8,90	124,1
LIYY025A20B	20x0.25 (0,15)	8,20	104,8	LIYY03520B	20x0.35	9,40	136,9
LIYY025A21B	21x0.25 (0,15)	8,20	108,2	LIYY03521B	21x0.35	9,40	141,4
LIYY025A24B	24x0.25 (0,15)	9,20	126,5	LIYY03524B	24x0.35	10,50	165,6
LIYY025A27B	27x0.25 (0,15)	9,40	137,9	LIYY03527B	27x0.35	10,80	180,6
LIYY025A30B	30x0.25 (0,15)	9,70	150,7	LIYY03530B	30x0.35	11,20	197,6
LIYY025A36B	36x0.25 (0,15)	10,50	178,7	LIYY03532B	32x0.35	11,70	210,8
LIYY025A40B	40x0.25 (0,15)	11,00	196,9	LIYY03536B	36x0.35	12,20	234,5
				LIYY03540B	40x0.35	12,70	258,6

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIYY05002B	2x0.50	4,60	32,1	LIYY07502B	2x0.75	5,20	41,9
LIYY05003B	3x0.50	5,00	38,7	LIYY07503B	3x0.75	5,60	51,0
LIYY05004B	4x0.50	5,40	47,1	LIYY07504B	4x0.75	6,10	62,3
LIYY05005B	5x0.50	6,00	56,5	LIYY07505B	5x0.75	6,80	75,0
LIYY05006B	6x0.50	6,50	66,2	LIYY07506B	6x0.75	7,40	88,2
LIYY05007B	7x0.50	6,50	72,7	LIYY07507B	7x0.75	7,40	97,1
LIYY05008B	8x0.50	7,10	82,8	LIYY07508B	8x0.75	8,10	110,9
LIYY05010B	10x0.50	8,50	107,0	LIYY07512B	12x0.75	10,00	162,8
LIYY05012B	12x0.50	8,80	121,1				
LIYY05016B	16x0.50	9,80	154,7				
LIYY05018B	18x0.50	10,40	172,3				
LIYY05020B	20x0.50	11,00	190,3				
LIYY05021B	21x0.50	11,00	196,8				
LIYY05024B	24x0.50	12,30	230,4				
LIYY05030B	30x0.50	13,10	275,8				
LIYY05036B	36x0.50	14,20	327,8				
LIYY05040B	40x0.50	14,80	361,9				
LIYY10002B	2x1.00	5,70	50,6	LIYY15002B	2x1.50	6,80	75,3
LIYY10003B	3x1.00	6,10	62,0	LIYY15003B	3x1.50	7,30	93,0
LIYY10004B	4x1.00	6,70	76,0	LIYY15004B	4x1.50	8,10	114,6

Application

For flexible use in free movement without tensile stress and without forced movement control in dry, damp and wet areas, but not outdoors, in any place where constructive or structural measures in the outer diameter minimum control and signal lines are required. This applies especially to such areas as tool machine industries as well as electronic, computer, measurement and control sectors.

Electronic cables unshielded, pairs



Marking

LIYYP05004B - PROSPECTA LIYY TP 4 x 2 x 0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors twisted,	0,14	18 x 0.10	1,00	0,25
	pairs cabled in concentric layers	0,25	8 x 0.20	1,20	0,28
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	0,25	14 x 0.15	1,20	0,27
Color	Grey RAL 7001	0,35	11 x 0.20	1,40	0,31
	On demand	0,50	16 x 0.20	1,65	0,37
		0,75	24 x 0.20	1,90	0,37
		1,00	30 x 0.20	2,10	0,43
		1,50	30 x 0.25	2,60	0,51

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Peak Operating Voltage	Section	0,14	Volt	500
		0,25 ± 1,50	Volt	900
Test Voltage	Section	0,14	Volt (Ac)	1.200
		0,25 ± 1,50	Volt (Ac)	2.500
Insulation Resistance	MOhm x km	> 200	0,35	57,00
Temperature Range	Fixed Installation	-20 °C / + 70 °C	0,50	39,00
	Mobile Installation	- 5 °C / + 50 °C	0,75	26,00
Min. Bending Radius	Fixed Installation	10 x Diameter	1,00	19,50
	Mobile Installation	20 x Diameter	1,50	13,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
On demand
General

International / European

EN 60228 Cl. 5
EN 50363-3
EN 50363-4-1
IEC 60332-1-2; EN 60332-1-2
IEC 60332.3; EN 60332.3

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
DIN 47100
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0482-332-3
VDE 0245; VDE 0812

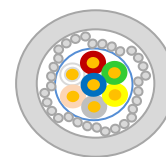
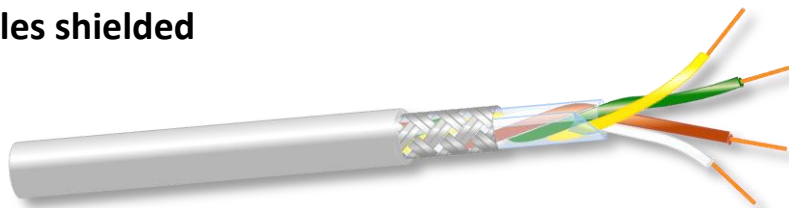
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIYYP01402B	2x0.14	4,70	17,5	LIYYP02502B	2x0.25	5,50	23,2
LIYYP01403B	3x0.14	5,10	21,1	LIYYP02503B	3x0.25	5,90	28,5
LIYYP01404B	4x0.14	5,60	25,5	LIYYP02504B	4x0.25	6,50	34,7
LIYYP025A02B	2x0.25 (0,15)	5,50	23,6	LIYYP03502B	2x0.35	6,30	29,8
LIYYP025A03B	3x0.25 (0,15)	5,90	29,0	LIYYP03503B	3x0.35	6,80	36,8
LIYYP025A04B	4x0.25 (0,15)	6,50	35,4	LIYYP03504B	4x0.35	7,50	45,3
LIYYP05002B	2x0.50	7,30	39,2	LIYYP07502B	2x0.75	8,30	50,5
LIYYP05003B	3x0.50	7,90	49,1	LIYYP07503B	3x0.75	8,90	63,7
LIYYP05004B	4x0.50	8,60	60,6	LIYYP07504B	4x0.75	9,80	79,2
LIYYP10002B	2x1.00	9,10	60,4	LIYYP15002B	2x1.50	11,10	88,4
LIYYP10003B	3x1.00	9,80	76,8	LIYYP15003B	3x1.50	11,90	113,6
LIYYP10004B	4x1.00	10,80	95,8	LIYYP15004B	4x1.50	13,20	142,6

Application

Shielded cables for flexible use in free movement without tensile stress and without forced movement control in dry, damp and wet areas, but not outdoors, in any place where constructive or structural measures in the outer diameter minimum control and signal lines are required. This applies especially to such areas as tool machine industries as well as electronic, computer, measurement and control sectors.

Electronic cables shielded



Marking

LIYCY10004B - PROSPECTA LIYCY 4x1,00 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors cabled in concentric layers	0,14	18 x 0.10	1,00	0,25
Central filler	(where applicable) flexible synthetic rope	0,25	8 x 0.20	1,20	0,28
Taping	Polyester foil	0,25	14 x 0.15	1,20	0,27
Shield	Tinned Copper, Braid	0,35	11 x 0.20	1,40	0,31
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	0,50	16 x 0.20	1,65	0,37
Color	Grey RAL 7001	0,75	24 x 0.20	1,90	0,37
On demand	Grey 7032; Black 9005; Blue 5015	1,00	30 x 0.20	2,10	0,43
		1,50	30 x 0.25	2,60	0,51

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Peak Operating Voltage	Section	0,14	Volt	350
		0,25 ± 1,50	Volt	500
Test Voltage	Section	0,14	Volt (Ac)	800
		0,25 ± 1,50	Volt (Ac)	1.200
Insulation Resistance	MOhm x km	> 200	0,35	57,00
Temperature Range	Fixed Installation	-20 °C / + 70 °C	0,50	39,00
	Mobile Installation	- 5 °C / + 50 °C	0,75	26,00
Min. Bending Radius	Fixed Installation	10 x Diameter	1,00	19,50
	Mobile Installation	20 x Diameter	1,50	13,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
On demand
General

International / European

EN 60228 Cl. 5
EN 50363-3
EN 50363-4-1
IEC 60332-1-2; EN 60332-1-2
IEC 60332.3; EN 60332.3

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
DIN 47100
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0482-332-3
VDE 0245; VDE 0812

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

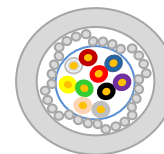
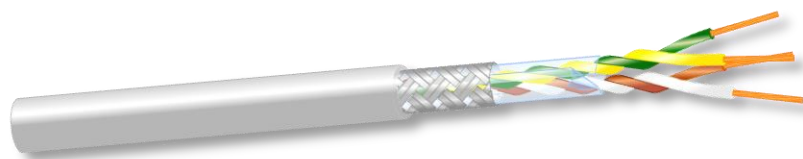
Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIYCY01402B	2x0.14	3,60	17,3	LIYCY02502B	2x0.25	4,10	22,4
LIYCY01403B	3x0.14	3,80	21,4	LIYCY02503B	3x0.25	4,30	27,7
LIYCY01404B	4x0.14	4,10	24,6	LIYCY02504B	4x0.25	4,60	32,4
LIYCY01405B	5x0.14	4,40	29,3	LIYCY02505B	5x0.25	5,00	38,6
LIYCY01406B	6x0.14	4,70	33,0	LIYCY02506B	6x0.25	5,40	43,8
LIYCY01407B	7x0.14	4,70	35,1	LIYCY02507B	7x0.25	5,40	47,0
LIYCY01408B	8x0.14	5,10	40,1	LIYCY02508B	8x0.25	5,90	53,6
LIYCY01410B	10x0.14	5,90	49,5	LIYCY02510B	10x0.25	6,80	66,5
LIYCY01412B	12x0.14	6,10	54,7	LIYCY02512B	12x0.25	7,00	75,4
LIYCY01414B	14x0.14	6,40	61,9	LIYCY02514B	14x0.25	7,40	84,0
LIYCY01416B	16x0.14	6,70	68,1	LIYCY02516B	16x0.25	7,80	94,3
LIYCY01418B	18x0.14	7,10	75,6	LIYCY02518B	18x0.25	8,20	103,5
LIYCY01420B	20x0.14	7,40	82,2	LIYCY02520B	20x0.25	8,70	114,2
LIYCY01421B	21x0.14	7,40	84,3	LIYCY02521B	21x0.25	8,70	117,4
LIYCY01424B	24x0.14	8,20	97,2	LIYCY02524B	24x0.25	9,60	136,0
LIYCY01425B	25x0.14	8,20	99,4	LIYCY02525B	25x0.25	9,60	139,2
LIYCY01427B	27x0.14	8,40	104,9	LIYCY02527B	27x0.25	9,80	147,4
LIYCY01430B	30x0.14	8,70	114,7	LIYCY02530B	30x0.25	10,20	160,1
LIYCY01432B	32x0.14	9,00	121,5	LIYCY02532B	32x0.25	10,60	170,1
LIYCY01436B	36x0.14	9,40	133,0	LIYCY02536B	36x0.25	11,00	186,7
LIYCY01440B	40x0.14	9,70	145,9	LIYCY02540B	40x0.25	11,40	205,0
LIYCY025A02B	2x0.25 (0,15)	4,10	22,7	LIYCY03502B	2x0.35	4,50	28,0
LIYCY025A03B	3x0.25 (0,15)	4,30	28,2	LIYCY03503B	3x0.35	4,80	33,7
LIYCY025A04B	4x0.25 (0,15)	4,60	33,1	LIYCY03504B	4x0.35	5,20	41,1
LIYCY025A05B	5x0.25 (0,15)	5,00	39,4	LIYCY03505B	5x0.35	5,70	49,1
LIYCY025A06B	6x0.25 (0,15)	5,40	44,8	LIYCY03506B	6x0.35	6,10	56,1
LIYCY025A07B	7x0.25 (0,15)	5,40	48,2	LIYCY03507B	7x0.35	6,10	60,7
LIYCY025A08B	8x0.25 (0,15)	5,90	55,0	LIYCY03508B	8x0.35	6,60	69,1
LIYCY025A10B	10x0.25 (0,15)	6,80	68,3	LIYCY03510B	10x0.35	7,80	87,3
LIYCY025A12B	12x0.25 (0,15)	7,00	77,5	LIYCY03512B	12x0.35	8,00	97,9
LIYCY025A14B	14x0.25 (0,15)	7,40	86,5	LIYCY03514B	14x0.35	8,40	109,8
LIYCY025A16B	16x0.25 (0,15)	7,80	97,1	LIYCY03516B	16x0.35	8,90	123,4
LIYCY025A18B	18x0.25 (0,15)	8,20	106,7	LIYCY03518B	18x0.35	9,40	136,3
LIYCY025A20B	20x0.25 (0,15)	8,70	117,7	LIYCY03520B	20x0.35	9,90	150,7
LIYCY025A21B	21x0.25 (0,15)	8,70	121,1	LIYCY03521B	21x0.35	9,90	155,2
LIYCY025A24B	24x0.25 (0,15)	9,60	140,2	LIYCY03524B	24x0.35	11,00	178,5
LIYCY025A25B	25x0.25 (0,15)	9,60	143,6	LIYCY03525B	25x0.35	11,00	183,0
LIYCY025A27B	27x0.25 (0,15)	9,80	152,2	LIYCY03527B	27x0.35	11,30	195,7
LIYCY025A30B	30x0.25 (0,15)	10,20	165,4	LIYCY03530B	30x0.35	11,70	213,0
LIYCY025A32B	32x0.25 (0,15)	10,60	175,7	LIYCY03532B	32x0.35	12,10	226,4
LIYCY025A36B	36x0.25 (0,15)	11,00	193,0	LIYCY03536B	36x0.35	12,60	251,2
LIYCY025A40B	40x0.25 (0,15)	11,40	212,0	LIYCY03540B	40x0.35	13,10	274,2

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIYCY05002B	2x0.50	5,10	35,6	LIYCY07502B	2x0.75	5,70	44,7
LIYCY05003B	3x0.50	5,40	43,6	LIYCY07503B	3x0.75	6,00	55,6
LIYCY05004B	4x0.50	5,90	53,6	LIYCY07504B	4x0.75	6,60	68,6
LIYCY05005B	5x0.50	6,40	64,2	LIYCY07505B	5x0.75	7,20	82,5
LIYCY05006B	6x0.50	7,00	75,1	LIYCY07506B	6x0.75	7,90	96,9
LIYCY05007B	7x0.50	7,00	81,6	LIYCY07507B	7x0.75	7,90	105,9
LIYCY05008B	8x0.50	7,60	91,6	LIYCY07508B	8x0.75	8,60	120,7
LIYCY05010B	10x0.50	8,90	116,0	LIYCY07510B	10x0.75	10,10	152,1
LIYCY05012B	12x0.50	9,20	131,0	LIYCY07512B	12x0.75	10,40	172,9
LIYCY05014B	14x0.50	9,70	149,5	LIYCY07518B	18x0.75	12,30	247,2
LIYCY05016B	16x0.50	10,30	167,1	LIYCY07520B	20x0.75	13,00	271,9
LIYCY05018B	18x0.50	10,80	184,9	LIYCY07524B	24x0.75	14,50	326,0
LIYCY05020B	20x0.50	11,40	204,7	LIYCY07525B	25x0.75	14,50	335,0
LIYCY05021B	21x0.50	11,40	211,1	LIYCY07527B	27x0.75	14,80	356,7
LIYCY05024B	24x0.50	12,80	245,0	LIYCY07530B	30x0.75	15,40	390,2
LIYCY05025B	25x0.50	12,80	251,4	LIYCY07532B	32x0.75	16,00	415,8
LIYCY05027B	27x0.50	13,00	267,2				
LIYCY05030B	30x0.50	13,50	291,7				
LIYCY05032B	32x0.50	14,10	312,6				
LIYCY10002B	2x1.00	6,10	51,7	LIYCY15002B	2x1.50	7,30	73,7
LIYCY10003B	3x1.00	6,60	66,4	LIYCY15003B	3x1.50	7,80	95,8
LIYCY10004B	4x1.00	7,10	82,3	LIYCY15004B	4x1.50	8,50	119,7
LIYCY10005B	5x1.00	7,80	99,2	LIYCY15005B	5x1.50	9,40	144,2
LIYCY10006B	6x1.00	8,60	116,6	LIYCY15006B	6x1.50	10,30	170,8
LIYCY10007B	7x1.00	8,60	127,9	LIYCY15007B	7x1.50	10,30	188,5
LIYCY10008B	8x1.00	9,30	144,7	LIYCY15008B	8x1.50	11,30	216,1
LIYCY10010B	10x1.00	11,00	183,1	LIYCY15010B	10x1.50	13,30	273,5
LIYCY10012B	12x1.00	11,40	210,5	LIYCY15012B	12x1.50	13,80	313,8
LIYCY10016B	16x1.00	12,70	270,2	LIYCY15018B	18x1.50	16,30	453,0
LIYCY10018B	18x1.00	13,40	300,2	LIYCY15020B	20x1.50	17,30	500,7
LIYCY10020B	20x1.00	14,20	332,9	LIYCY15025B	25x1.50	19,40	621,7
LIYCY10025B	25x1.00	15,90	408,5				
LIYCY10027B	27x1.00	16,30	436,7				

Application

Shielded cables for flexible use in free movement without tensile stress and without forced movement control in dry, damp and wet areas, but not outdoors, in any place where constructive or structural measures in the outer diameter minimum control and signal lines are required. This applies especially to such areas as tool machine industries as well as electronic, computer, measurement and control sectors.

Electronic cables shielded, pairs



Marking

LIYCYP10004B - PROSPECTA LIYCY TP 4 x 2 x 1.00 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors twisted,	0,14	18 x 0.10	1,00	0,25
	pairs cabled in concentric layers	0,25	8 x 0.20	1,20	0,28
Central filler	(where applicable) flexible synthetic rope	0,25	14 x 0.15	1,20	0,27
Taping	Polyester foil	0,35	11 x 0.20	1,40	0,31
Shield	Tinned Copper, Braid	0,50	16 x 0.20	1,65	0,37
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	0,75	24 x 0.20	1,90	0,37
Color	Grey RAL 7001	1,00	30 x 0.20	2,10	0,43
On demand	Grey 7032; Black 9005; Blue 5015	1,50	30 x 0.25	2,60	0,51

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Peak Operating Voltage	Section	0,14	Volt	350
		0,25 ± 1,50	Volt	500
Test Voltage	Section	0,14	Volt (Ac)	800
		0,25 ± 1,50	Volt (Ac)	1.200
Insulation Resistance	MOhm x km	> 200	0,35	57,00
Temperature Range	Fixed Installation	-20 °C / + 70 °C	0,50	39,00
	Mobile Installation	- 5 °C / + 50 °C	0,75	26,00
Min. Bending Radius	Fixed Installation	10 x Diameter	1,00	19,50
	Mobile Installation	20 x Diameter	1,50	13,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
On demand
General

International / European

EN 60228 Cl. 5
EN 50363-3
EN 50363-4-1
IEC 60332-1-2; EN 60332-1-2
IEC 60332.3; EN 60332.3

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
DIN 47100
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0482-332-3
VDE 0814; VDE 0812

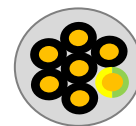
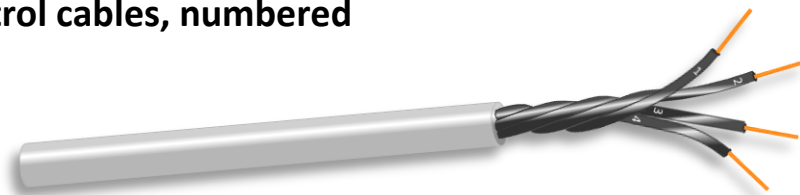
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIYCYP01402B	2x2x0.14	5,20	27,6	LIYCYP02502B	2x2x0.25	6,00	34,8
LIYCYP01403B	3x2x0.14	5,50	32,5	LIYCYP02503B	3x2x0.25	6,40	41,4
LIYCYP01404B	4x2x0.14	6,00	37,2	LIYCYP02504B	4x2x0.25	7,00	49,1
LIYCYP01405B	5x2x0.14	6,60	43,6	LIYCYP02505B	5x2x0.25	7,70	56,6
LIYCYP01406B	6x2x0.14	7,20	50,4	LIYCYP02506B	6x2x0.25	8,40	65,7
LIYCYP01407B	7x2x0.14	7,20	52,6	LIYCYP02508B	8x2x0.25	9,10	78,6
LIYCYP01408B	8x2x0.14	7,80	59,8	LIYCYP02510B	10x2x0.25	10,70	100,2
LIYCYP01410B	10x2x0.14	9,20	74,8	LIYCYP02512B	12x2x0.25	11,10	109,9
LIYCYP01412B	12x2x0.14	9,50	81,7	LIYCYP02516B	16x2x0.25	12,40	138,4
LIYCYP01414B	14x2x0.14	10,00	91,6	LIYCYP02520B	20x2x0.25	13,80	165,9
LIYCYP01416B	16x2x0.14	10,50	100,8				
LIYCYP01420B	20x2x0.14	11,70	121,7				
LIYCYP025A02B	2x2x0.25 (0,15)	6,00	35,2	LIYCYP03502B	2x2x0.35	6,80	42,9
LIYCYP025A03B	3x2x0.25 (0,15)	6,40	42,0	LIYCYP03503B	3x2x0.35	7,30	51,4
LIYCYP025A04B	4x2x0.25 (0,15)	7,00	49,8	LIYCYP03504B	4x2x0.35	7,90	61,4
LIYCYP025A05B	5x2x0.25 (0,15)	7,70	57,5	LIYCYP03505B	5x2x0.35	8,70	72,6
LIYCYP025A06B	6x2x0.25 (0,15)	8,40	66,8	LIYCYP03506B	6x2x0.35	9,60	83,6
LIYCYP025A08B	8x2x0.25 (0,15)	9,10	80,0	LIYCYP03508B	8x2x0.35	10,40	101,1
LIYCYP025A10B	10x2x0.25 (0,15)	10,70	102,0	LIYCYP03512B	12x2x0.35	12,70	144,0
LIYCYP025A12B	12x2x0.25 (0,15)	11,10	112,0	LIYCYP03516B	16x2x0.35	14,20	180,0
LIYCYP025A16B	16x2x0.25 (0,15)	12,40	141,2	LIYCYP03520B	20x2x0.35	15,90	217,3
LIYCYP025A20B	20x2x0.25 (0,15)	13,80	169,4				
LIYCYP05002B	2x2x0.50	6,80	55,3	LIYCYP07502B	2x2x0.75	7,80	68,3
LIYCYP05003B	3x2x0.50	8,30	65,4	LIYCYP07503B	3x2x0.75	9,40	82,3
LIYCYP05004B	4x2x0.50	9,10	78,6	LIYCYP07504B	4x2x0.75	10,30	100,0
LIYCYP05005B	5x2x0.50	10,10	94,3	LIYCYP07505B	5x2x0.75	11,40	120,1
LIYCYP05006B	6x2x0.50	11,00	109,3	LIYCYP07506B	6x2x0.75	12,50	141,7
LIYCYP05008B	8x2x0.50	12,00	132,8	LIYCYP07508B	8x2x0.75	13,70	171,4
LIYCYP05012B	12x2x0.50	14,80	191,1	LIYCYP07512B	12x2x0.75	16,80	247,2
LIYCYP05016B	16x2x0.50	16,60	239,4				
LIYCYP10002B	2x2x1.00	9,60	79,1	LIYCYP15002B	2x2x1.50	11,50	112,0
LIYCYP10003B	3x2x1.00	10,30	97,6	LIYCYP15003B	3x2x1.50	12,40	139,9
LIYCYP10004B	4x2x1.00	11,20	119,1	LIYCYP15004B	4x2x1.50	13,60	170,1

Application

Flexible use with medium mechanical stresses and free movements, in dry, moist and wet environments, but not suitable for open air. These cables are suitable for measuring and control, especially in such areas as tool machine industries, conveyor belts, production lines, in machinery production, in air conditioning and in steel production. The cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unsheathed a few cm. The core numbers have been underlined to avoid confusion. For version JZ the earth wire is located in the outer layer.

Flexible control cables, numbered



Marking

YSLYJZ05004B - PROSPECTA YSLY-JZ 4G0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	1,65	0,37
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	1,90	0,37
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	1,00	30 x 0.20	2,10	0,43
Color	Grey RAL 7001	1,50	30 x 0.25	2,40	0,41
		2,50	50 x 0.25	3,00	0,47
		4,00	50 x 0.30	3,60	0,54
		6,00	75 x 0.30	4,20	0,57

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage U _o /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	2.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
On demand
General

International / European

EN 60228 Cl. 5
EN 50363-3
EN 50334
EN 50363-4-1
IEC 60332-1-2; EN 60332-1-2
IEC 60332.3; EN 60332.3
EN 50395; EN 50396

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-334
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0482-332-3
VDE 0245

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

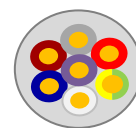
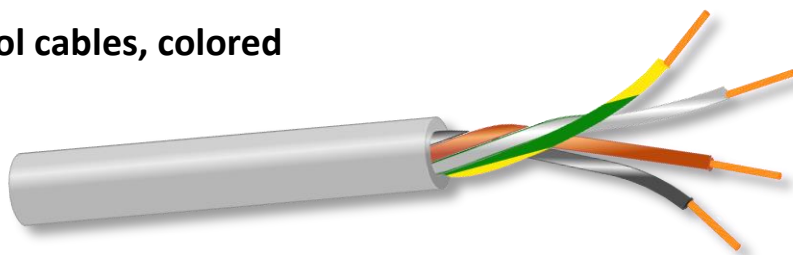
Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLYOZ05002B	2x0.50	4,70	32,7	YSLYOZ07502B	2x0.75	5,30	43,4
YSLYJZ05003B	3G0.50	5,00	39,2	YSLYJZ07503B	3G0.75	5,70	52,6
YSLYJZ05004B	4G0.50	5,40	47,4	YSLYJZ07504B	4G0.75	6,20	63,9
YSLYJZ05005B	5G0.50	6,00	56,5	YSLYJZ07505B	5G0.75	6,80	76,6
YSLYJZ05006B	6G0.50	6,50	65,9	YSLYJZ07506B	6G0.75	7,50	89,7
YSLYJZ05007B	7G0.50	6,50	72,4	YSLYJZ07507B	7G0.75	7,50	98,7
YSLYJZ05008B	8G0.50	7,10	82,7	YSLYJZ07508B	8G0.75	8,30	115,3
YSLYJZ05010B	10G0.50	8,40	106,6	YSLYJZ07509B	9G0.75	8,80	127,2
YSLYJZ05012B	12G0.50	8,70	120,6	YSLYJZ07510B	10G0.75	9,90	148,8
YSLYJZ05014B	14G0.50	9,20	136,9	YSLYJZ07512B	12G0.75	10,20	168,5
YSLYJZ05016B	16G0.50	9,80	153,9	YSLYJZ07514B	14G0.75	10,80	191,4
YSLYJZ05018B	18G0.50	10,30	171,3	YSLYJZ07515B	15G0.75	11,40	206,4
YSLYJZ05019B	19G0.50	10,30	177,8	YSLYJZ07516B	16G0.75	11,40	215,4
YSLYJZ05021B	21G0.50	10,90	195,6	YSLYJZ07518B	18G0.75	12,10	240,0
YSLYJZ05025B	25G0.50	12,20	233,5	YSLYJZ07519B	19G0.75	12,10	248,9
YSLYJZ05030B	30G0.50	13,00	273,7	YSLYJZ07521B	21G0.75	12,80	274,1
YSLYJZ05031B	31G0.50	13,60	285,5	YSLYJZ07525B	25G0.75	14,30	327,7
YSLYJZ05034B	34G0.50	14,10	312,3	YSLYJZ07527B	27G0.75	14,60	350,7
YSLYJZ05035B	35G0.50	14,10	318,7	YSLYJZ07530B	30G0.75	15,20	384,2
YSLYJZ05040B	40G0.50	14,70	358,9	YSLYJZ07534B	34G0.75	16,50	438,8
				YSLYJZ07537B	37G0.75	16,50	465,8
YSLYOZ10002B	2x1.00	5,60	49,8	YSLYOZ15002B	2x1.50	6,40	68,5
YSLYJZ10003B	3G1.00	6,00	61,0	YSLYJZ15003B	3G1.50	6,90	84,9
YSLYJZ10004B	4G1.00	6,60	74,8	YSLYJZ15004B	4G1.50	7,50	104,8
YSLYJZ10005B	5G1.00	7,30	90,2	YSLYJZ15005B	5G1.50	8,30	126,6
YSLYJZ10006B	6G1.00	8,00	106,2	YSLYJZ15006B	6G1.50	9,20	149,3
YSLYJZ10007B	7G1.00	8,00	117,5	YSLYJZ15007B	7G1.50	9,20	165,8
YSLYJZ10008B	8G1.00	8,80	134,2	YSLYJZ15008B	8G1.50	9,90	187,6
YSLYJZ10009B	9G1.00	9,30	148,5	YSLYJZ15009B	9G1.50	10,50	208,0
YSLYJZ10010B	10G1.00	10,50	174,0	YSLYJZ15010B	10G1.50	11,90	242,8
YSLYJZ10012B	12G1.00	10,80	198,4	YSLYJZ15011B	11G1.50	11,90	255,7
YSLYJZ10014B	14G1.00	11,50	226,3	YSLYJZ15012B	12G1.50	12,30	278,2
YSLYJZ10016B	16G1.00	12,20	255,5	YSLYJZ15014B	14G1.50	13,00	318,1
YSLYJZ10018B	18G1.00	12,90	285,4	YSLYJZ15016B	16G1.50	13,80	359,7
YSLYJZ10019B	19G1.00	12,90	296,7	YSLYJZ15018B	18G1.50	14,70	402,2
YSLYJZ10021B	21G1.00	13,70	327,2	YSLYJZ15020B	20G1.50	15,50	445,6
YSLYJZ10025B	25G1.00	15,40	392,2	YSLYJZ15021B	21G1.50	15,50	462,1
YSLYJZ10027B	27G1.00	15,80	420,6	YSLYJZ15025B	25G1.50	17,50	553,8
YSLYJZ10030B	30G1.00	16,40	461,8	YSLYJZ15026B	26G1.50	17,50	570,4
YSLYJZ10034B	34G1.00	17,80	528,2	YSLYJZ15027B	27G1.50	17,90	594,4
YSLYJZ10036B	36G1.00	17,80	550,8	YSLYJZ15032B	32G1.50	19,50	698,1
YSLYJZ10037B	37G1.00	17,80	562,1	YSLYJZ15034B	34G1.50	20,30	747,2
YSLYJZ10040B	40G1.00	18,60	609,1	YSLYJZ15036B	36G1.50	20,30	780,3
				YSLYJZ15037B	37G1.50	20,30	796,9
				YSLYJZ15040B	40G1.50	21,20	863,5

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLYOZ25002B	2x2.50	7,80	104,4	YSLYOZ40002B	2x4.00	9,30	151,5
YSLYJZ25003B	3G2.50	8,40	130,7	YSLYJZ40003B	3G4.00	10,00	190,6
YSLYJZ25004B	4G2.50	9,20	162,1	YSLYJZ40004B	4G4.00	11,00	237,6
YSLYJZ25005B	5G2.50	10,20	196,6	YSLYJZ40005B	5G4.00	12,30	289,2
YSLYJZ25007B	7G2.50	11,20	258,9	YSLYJZ40007B	7G4.00	13,50	382,3
YSLYJZ25008B	8G2.50	12,20	292,2				
YSLYJZ25010B	10G2.50	14,60	378,0	YSLYOZ60002B	2x6.00	11,10	219,8
YSLYJZ25012B	12G2.50	15,10	434,4	YSLYJZ60003B	3G6.00	11,90	277,4
YSLYJZ25014B	14G2.50	16,00	497,6	YSLYJZ60004B	4G6.00	13,10	345,8
YSLYJZ25016B	16G2.50	17,00	563,3	YSLYJZ60005B	5G6.00	14,60	421,1
YSLYJZ25018B	18G2.50	18,00	630,2	YSLYJZ60007B	7G6.00	16,10	556,2
YSLYJZ25021B	21G2.50	19,10	725,1				
YSLYJZ25025B	25G2.50	21,50	868,9				

Application

Flexible use with medium mechanical stresses and free movements, in dry, moist and wet environments, but not suitable for open air. These cables are suitable for measuring and control, especially in such areas as tool machine industries, conveyor belts, production lines, in machinery production, in air conditioning and in steel production. The cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unsheathed a few cm. The core numbers have been underlined to avoid confusion. For version JB the earth wire is located in the outer layer.

Flexible control cables, colored



Marking

YSLYJB05004B - PROSPECTA YSLY-JB 4G0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors cabled in concentric layers	0,50	16 x 0.20	1,65	0,37
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	0,75	24 x 0.20	1,90	0,37
Color	Grey RAL 7001	1,00	30 x 0.20	2,10	0,43
		1,50	30 x 0.25	2,40	0,41
		2,50	50 x 0.25	3,00	0,47
		4,00	50 x 0.30	3,60	0,54
		6,00	75 x 0.30	4,20	0,57

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage U ₀ /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	2.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
On demand
General

International / European

EN 60228 Cl. 5
EN 50363-3
HD 308 S2
EN 50363-4-1
IEC 60332-1-2; EN 60332-1-2
IEC 60332.3; EN 60332.3
EN 50395; EN 50396

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-308
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0482-332-3
VDE 0245

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

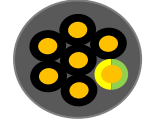
Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLYOB05002B	2x0.50	4,70	32,7	YSLYOB07502B	2x0.75	5,30	43,4
YSLYJB05003B	3G0.50	5,00	39,2	YSLYJB07503B	3G0.75	5,70	52,6
YSLYJB05004B	4G0.50	5,40	47,4	YSLYJB07504B	4G0.75	6,20	63,9
YSLYJB05005B	5G0.50	6,00	56,5	YSLYJB07505B	5G0.75	6,80	76,6
YSLYJB05006B	6G0.50	6,50	65,9	YSLYJB07506B	6G0.75	7,50	89,7
YSLYJB05007B	7G0.50	6,50	72,4	YSLYJB07507B	7G0.75	7,50	98,7
YSLYJB05008B	8G0.50	7,10	82,7	YSLYJB07508B	8G0.75	8,30	115,3
YSLYJB05010B	10G0.50	8,40	106,6	YSLYJB07509B	9G0.75	8,80	127,2
YSLYJB05012B	12G0.50	8,70	120,6	YSLYJB07510B	10G0.75	9,90	148,8
YSLYJB05014B	14G0.50	9,20	136,9	YSLYJB07512B	12G0.75	10,20	168,5
YSLYJB05016B	16G0.50	9,80	153,9	YSLYJB07514B	14G0.75	10,80	191,4
YSLYJB05018B	18G0.50	10,30	171,3	YSLYJB07515B	15G0.75	11,40	206,4
YSLYJB05019B	19G0.50	10,30	177,8	YSLYJB07516B	16G0.75	11,40	215,4
YSLYJB05021B	21G0.50	10,90	195,6	YSLYJB07518B	18G0.75	12,10	240,0
YSLYJB05025B	25G0.50	12,20	233,5	YSLYJB07519B	19G0.75	12,10	248,9
YSLYJB05030B	30G0.50	13,00	273,7	YSLYJB07521B	21G0.75	12,80	274,1
YSLYJB05031B	31G0.50	13,60	285,5	YSLYJB07525B	25G0.75	14,30	327,7
YSLYJB05034B	34G0.50	14,10	312,3	YSLYJB07527B	27G0.75	14,60	350,7
YSLYJB05035B	35G0.50	14,10	318,7	YSLYJB07530B	30G0.75	15,20	384,2
YSLYJB05040B	40G0.50	14,70	358,9	YSLYJB07534B	34G0.75	16,50	438,8
				YSLYJB07537B	37G0.75	16,50	465,8
YSLYOB10002B	2x1.00	5,60	49,8	YSLYOB15002B	2x1.50	6,40	68,5
YSLYJB10003B	3G1.00	6,00	61,0	YSLYJB15003B	3G1.50	6,90	84,9
YSLYJB10004B	4G1.00	6,60	74,8	YSLYJB15004B	4G1.50	7,50	104,8
YSLYJB10005B	5G1.00	7,30	90,2	YSLYJB15005B	5G1.50	8,30	126,6
YSLYJB10006B	6G1.00	8,00	106,2	YSLYJB15006B	6G1.50	9,20	149,3
YSLYJB10007B	7G1.00	8,00	117,5	YSLYJB15007B	7G1.50	9,20	165,8
YSLYJB10008B	8G1.00	8,80	134,2	YSLYJB15008B	8G1.50	9,90	187,6
YSLYJB10009B	9G1.00	9,30	148,5	YSLYJB15009B	9G1.50	10,50	208,0
YSLYJB10010B	10G1.00	10,50	174,0	YSLYJB15010B	10G1.50	11,90	242,8
YSLYJB10012B	12G1.00	10,80	198,4	YSLYJB15011B	11G1.50	11,90	255,7
YSLYJB10014B	14G1.00	11,50	226,3	YSLYJB15012B	12G1.50	12,30	278,2
YSLYJB10016B	16G1.00	12,20	255,5	YSLYJB15014B	14G1.50	13,00	318,1
YSLYJB10018B	18G1.00	12,90	285,4	YSLYJB15016B	16G1.50	13,80	359,7
YSLYJB10019B	19G1.00	12,90	296,7	YSLYJB15018B	18G1.50	14,70	402,2
YSLYJB10021B	21G1.00	13,70	327,2	YSLYJB15020B	20G1.50	15,50	445,6
YSLYJB10025B	25G1.00	15,40	392,2	YSLYJB15021B	21G1.50	15,50	462,1
YSLYJB10027B	27G1.00	15,80	420,6	YSLYJB15025B	25G1.50	17,50	553,8
YSLYJB10030B	30G1.00	16,40	461,8	YSLYJB15026B	26G1.50	17,50	570,4
YSLYJB10034B	34G1.00	17,80	528,2	YSLYJB15027B	27G1.50	17,90	594,4
YSLYJB10036B	36G1.00	17,80	550,8	YSLYJB15032B	32G1.50	19,50	698,1
YSLYJB10037B	37G1.00	17,80	562,1	YSLYJB15034B	34G1.50	20,30	747,2
YSLYJB10040B	40G1.00	18,60	609,1	YSLYJB15036B	36G1.50	20,30	780,3
				YSLYJB15037B	37G1.50	20,30	796,9
				YSLYJB15040B	40G1.50	21,20	863,5

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLYOB25002B	2x2.50	7,80	104,4	YSLYOB40002B	2x4.00	9,30	151,5
YSLYJB25003B	3G2.50	8,40	130,7	YSLYJB40003B	3G4.00	10,00	190,6
YSLYJB25004B	4G2.50	9,20	162,1	YSLYJB40004B	4G4.00	11,00	237,6
YSLYJB25005B	5G2.50	10,20	196,6	YSLYJB40005B	5G4.00	12,30	289,2
YSLYJB25007B	7G2.50	11,20	258,9	YSLYJB40007B	7G4.00	13,50	382,3
YSLYJB25008B	8G2.50	12,20	292,2				
YSLYJB25010B	10G2.50	14,60	378,0	YSLYOB60002B	2x6.00	11,10	219,8
YSLYJB25012B	12G2.50	15,10	434,4	YSLYJB60003B	3G6.00	11,90	277,4
YSLYJB25014B	14G2.50	16,00	497,6	YSLYJB60004B	4G6.00	13,10	345,8
YSLYJB25016B	16G2.50	17,00	563,3	YSLYJB60005B	5G6.00	14,60	421,1
YSLYJB25018B	18G2.50	18,00	630,2	YSLYJB60007B	7G6.00	16,10	556,2
YSLYJB25021B	21G2.50	19,10	725,1				
YSLYJB25025B	25G2.50	21,50	868,9				

Application

Wiring cable for measuring and controlling suitable for tool machinery, conveyor belts and production lines, for installations of air conditioning and in steel production plants and rolling mills. Flexible use with medium mechanical stresses, without tensile stress or forced movements in dry, moist and wet rooms as well as outdoor (fixed installation). Is not suitable to be used directly underground or as underwater cable. Cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unsheathed a few cm. Core numbers have been underlined to avoid confusion. Earth wire is located in the outer layer. The black outer sheath is made with special PVC resistant to the ultra violet radiations.

Flexible control cables, numbered, 0,6/1 kV, UV-Resistant



Marking

YSLYJZH07503B - PROSPECTA YSLY-JZ 0.6/1 kV 3G0,75 600/1000 V (*) CE (Metering) mt

Color Marking

Yellow

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	2,00	0,55
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	2,40	0,62
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	1,00	30 x 0.20	2,50	0,63
Color	Black RAL 9005	1,50	30 x 0.25	3,10	0,76
		2,50	50 x 0.25	3,60	0,77
		4,00	50 x 0.30	4,10	0,79
		6,00	75 x 0.30	4,60	0,77

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage U ₀ /U	Volt	600/1000	mm ²	Ohm / km
Test Voltage	Volt (Ac)	6.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
				6,00

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
Resistant to
General

International / European

EN 60228 Cl. 5
EN 50363-3
EN 50334
EN 50363-4-1
IEC 60332.3; EN 60332.3
HD 605/A1 (UV resistance)
EN 50395; EN 50396

German

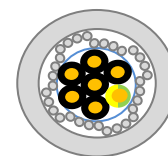
VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-334
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-3

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLYOZHV05002B	2x0.50	6,30	54,7	YSLYOZHV07502B	2x0.75	6,60	62,2
YSLYJZHV05003B	3G0.50	6,70	63,8	YSLYJZHV07503B	3G0.75	7,00	74,4
YSLYJZHV05004B	4G0.50	7,30	75,6	YSLYJZHV07504B	4G0.75	7,70	90,1
YSLYJZHV05005B	5G0.50	8,00	88,9	YSLYJZHV07505B	5G0.75	8,50	107,8
YSLYJZHV05007B	7G0.50	8,70	111,1	YSLYJZHV07507B	7G0.75	9,30	138,8
YSLYJZHV05012B	12G0.50	11,50	184,9	YSLYJZHV07512B	12G0.75	12,30	224,5
YSLYJZHV05018B	18G0.50	13,70	261,3	YSLYJZHV07518B	18G0.75	14,60	319,0
YSLYJZHV05025B	25G0.50	16,20	357,3	YSLYJZHV07525B	25G0.75	17,30	435,4
YSLYJZHV05034B	34G0.50	18,70	477,6	YSLYJZHV07534B	34G0.75	20,00	582,7
YSLYOZHV10002B	2x1.00	7,00	73,2	YSLYOZHV15002B	2x1.50	8,20	101,8
YSLYJZHV10003B	3G1.00	7,30	84,8	YSLYJZHV15003B	3G1.50	8,80	123,8
YSLYJZHV10004B	4G1.00	8,00	103,1	YSLYJZHV15004B	4G1.50	9,60	151,3
YSLYJZHV10005B	5G1.00	8,80	123,8	YSLYJZHV15005B	5G1.50	10,60	181,5
YSLYJZHV10007B	7G1.00	9,60	159,9	YSLYJZHV15007B	7G1.50	11,70	235,6
YSLYJZHV10012B	12G1.00	13,10	272,9	YSLYJZHV15012B	12G1.50	15,90	401,6
YSLYJZHV10018B	18G1.00	15,50	385,5	YSLYJZHV15018B	18G1.50	18,80	569,7
YSLYJZHV10025B	25G1.00	18,30	522,4	YSLYJZHV15025B	25G1.50	22,20	774,6
YSLYJZHV10034B	34G1.00	21,00	695,3	YSLYJZHV15034B	34G1.50	25,70	1.035,7
YSLYOZHV25002B	2x2.50	9,60	146,5	YSLYJZHV40003B	3G4.00	11,90	243,9
YSLYJZHV25003B	3G2.50	10,30	179,7	YSLYJZHV40004B	4G4.00	13,10	299,5
YSLYJZHV25004B	4G2.50	11,30	220,6	YSLYJZHV40005B	5G4.00	14,50	361,0
YSLYJZHV25005B	5G2.50	12,40	265,8	YSLYJZHV40007B	7G4.00	15,90	470,4
YSLYJZHV25007B	7G2.50	13,70	346,1				
YSLYJZHV25012B	12G2.50	18,60	588,7				
YSLYJZHV25018B	18G2.50	22,00	842,2				
YSLYJZHV25025B	25G2.50	26,10	1.151,8				
YSLYJZHV60003B	3G6.00	11,90	243,9				
YSLYJZHV60004B	4G6.00	13,10	299,5				
YSLYJZHV60005B	5G6.00	14,50	361,0				
YSLYJZHV60007B	7G6.00	15,90	470,4				

Application Shielded wiring cable for measuring and controlling suitable for tool machinery, conveyor belts and production lines, for installations of air conditioning and in steel production plants and rolling mills. Flexible use with medium mechanical stresses, without tensile stress or forced movements in dry, moist and wet rooms as well as outdoor (fixed installation). Is not suitable to be used directly underground or as underwater cable. Cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unsheathed a few cm. Core numbers have been underlined to avoid confusion. Earth wire is located in the outer layer. The black outer sheath is made with special PVC resistant to the ultra violet radiations.

Flexible control cables, numbered - Cu-shielded



Marking

YSLCYJZ05004B - PROSPECTA YSLCY-JZ 4G0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

		Section	Construction	Diameter	Thickness
Inner Conductor	Bare Copper, Stranded				
Insulation	Polyvinylchloride (PVC) TI2 (YI2)		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	1,65	0,37
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	1,90	0,37
Central filler	(where applicable) flexible synthetic rope	1,00	30 x 0.20	2,10	0,43
Taping	Polyester foil	1,50	30 x 0.25	2,40	0,41
Shield	Tinned Copper, Braid	2,50	50 x 0.25	3,00	0,47
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	4,00	50 x 0.30	3,60	0,54
Color	Grey RAL 7001	6,00	75 x 0.30	4,20	0,57

Technical Data

			Section	Inner Conductor Resistance
Peak Operating Voltage (Not for power purposes)	Volt	250		
Operating Voltage U ₀ /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	2.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation		4,00	4,95
			20 x Diameter	6,00

Standards

Inner Conductor	EN 60228 Cl. 5
Insulation	EN 50363-3
Identification	EN 50334
Jacket	EN 50363-4-1
Fire behaviour	IEC 60332-1-2; EN 60332-1-2
On demand	IEC 60332.3; EN 60332.3
General	EN 50395; EN 50396

International / European

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-334
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0482-332-3
VDE 0245

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

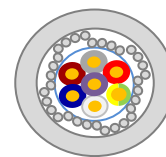
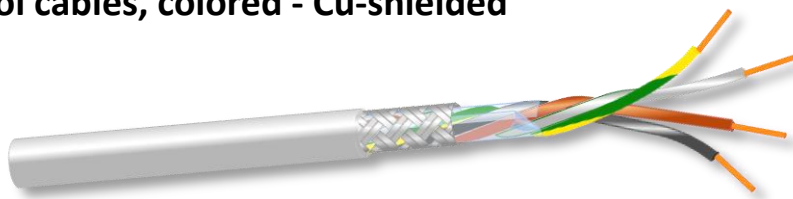
Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLCYOZ05002B	2x0.50	5,10	35,6	YSLCYOZ07502B	2x0.75	5,70	44,7
YSLCYJZ05003B	3G0.50	5,40	43,6	YSLCYJZ07503B	3G0.75	6,00	55,6
YSLCYJZ05004B	4G0.50	5,90	53,6	YSLCYJZ07504B	4G0.75	6,60	68,6
YSLCYJZ05005B	5G0.50	6,40	64,2	YSLCYJZ07505B	5G0.75	7,20	82,5
YSLCYJZ05006B	6G0.50	7,00	75,1	YSLCYJZ07506B	6G0.75	7,90	96,9
YSLCYJZ05007B	7G0.50	7,00	81,6	YSLCYJZ07507B	7G0.75	7,90	105,9
YSLCYJZ05008B	8G0.50	7,60	91,6	YSLCYJZ07508B	8G0.75	8,60	120,7
YSLCYJZ05010B	10G0.50	8,90	116,0	YSLCYJZ07510B	10G0.75	10,10	152,1
YSLCYJZ05012B	12G0.50	9,20	131,0	YSLCYJZ07512B	12G0.75	10,40	172,9
YSLCYJZ05014B	14G0.50	9,70	149,5	YSLCYJZ07514B	14G0.75	11,00	195,9
YSLCYJZ05016B	16G0.50	10,30	167,1	YSLCYJZ07516B	16G0.75	11,60	221,1
YSLCYJZ05018B	18G0.50	10,80	184,9	YSLCYJZ07518B	18G0.75	12,30	247,2
YSLCYJZ05020B	20G0.50	11,40	204,7	YSLCYJZ07520B	20G0.75	13,00	271,9
YSLCYJZ05021B	21G0.50	11,40	211,1	YSLCYJZ07521B	21G0.75	13,00	280,9
YSLCYJZ05024B	24G0.50	12,80	245,0	YSLCYJZ07524B	24G0.75	14,50	326,0
YSLCYJZ05025B	25G0.50	12,80	251,4	YSLCYJZ07525B	25G0.75	14,50	335,0
YSLCYJZ05030B	30G0.50	13,50	291,7	YSLCYJZ07527B	27G0.75	14,80	356,7
YSLCYJZ05032B	32G0.50	14,10	312,6	YSLCYJZ07530B	30G0.75	15,40	390,2
YSLCYJZ05034B	34G0.50	14,70	331,8	YSLCYJZ07532B	32G0.75	16,00	415,8
YSLCYJZ05036B	36G0.50	14,70	344,7	YSLCYJZ07534B	34G0.75	16,70	443,2
YSLCYJZ05040B	40G0.50	15,30	377,3	YSLCYJZ07536B	36G0.75	16,70	461,1
				YSLCYJZ07537B	37G0.75	16,70	470,1
				YSLCYJZ07540B	40G0.75	17,40	506,1
YSLCYOZ10002B	2x1.00	6,10	51,7	YSLCYOZ15002B	2x1.50	6,80	67,3
YSLCYJZ10003B	3G1.00	6,60	66,4	YSLCYJZ15003B	3G1.50	7,30	87,9
YSLCYJZ10004B	4G1.00	7,10	82,3	YSLCYJZ15004B	4G1.50	8,00	109,8
YSLCYJZ10005B	5G1.00	7,80	99,2	YSLCYJZ15005B	5G1.50	8,80	133,2
YSLCYJZ10006B	6G1.00	8,60	116,6	YSLCYJZ15007B	7G1.50	9,60	174,3
YSLCYJZ10007B	7G1.00	8,60	127,9	YSLCYJZ15008B	8G1.50	10,50	198,0
YSLCYJZ10008B	8G1.00	9,30	144,7	YSLCYJZ15010B	10G1.50	12,40	252,2
YSLCYJZ10010B	10G1.00	11,00	183,1	YSLCYJZ15012B	12G1.50	12,80	289,4
YSLCYJZ10012B	12G1.00	11,40	210,5	YSLCYJZ15014B	14G1.50	13,50	329,8
YSLCYJZ10014B	14G1.00	12,00	238,8	YSLCYJZ15016B	16G1.50	14,40	373,7
YSLCYJZ10016B	16G1.00	12,70	270,2	YSLCYJZ15018B	18G1.50	15,20	416,2
YSLCYJZ10018B	18G1.00	13,40	300,2	YSLCYJZ15019B	19G1.50	15,20	432,8
YSLCYJZ10019B	19G1.00	13,40	311,4	YSLCYJZ15021B	21G1.50	16,00	476,0
YSLCYJZ10020B	20G1.00	14,20	332,9	YSLCYJZ15024B	24G1.50	18,00	552,0
YSLCYJZ10025B	25G1.00	15,90	408,5	YSLCYJZ15025B	25G1.50	18,00	568,5
YSLCYJZ10030B	30G1.00	16,90	478,6	YSLCYJZ15027B	27G1.50	18,40	610,5
YSLCYJZ10032B	32G1.00	17,60	510,5	YSLCYJZ15030B	30G1.50	19,10	670,5
YSLCYJZ10034B	34G1.00	18,30	546,2	YSLCYJZ15034B	34G1.50	20,80	761,6
YSLCYJZ10037B	37G1.00	18,30	580,0	YSLCYJZ15035B	35G1.50	20,80	778,2

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLCYOZ25002B	2x2.50	8,20	98,8	YSLCYOZ40002B	2x4.00	9,60	137,3
YSLCYJZ25003B	3G2.50	8,80	130,8	YSLCYJZ40003B	3G4.00	10,30	182,5
YSLCYJZ25004B	4G2.50	9,70	165,5	YSLCYJZ40004B	4G4.00	11,30	232,4
YSLCYJZ25005B	5G2.50	10,70	200,8	YSLCYJZ40005B	5G4.00	12,50	285,0
YSLCYJZ25007B	7G2.50	11,70	265,1	YSLCYJZ40007B	7G4.00	13,80	376,6
YSLCYJZ25010B	10G2.50	15,20	385,4				
YSLCYJZ25012B	12G2.50	15,70	444,9				
YSLCYJZ25018B	18G2.50	18,70	648,4				
YSLCYJZ25025B	25G2.50	22,10	889,0				
YSLCYOZ60002B	2x6.00	11,00	184,7				
YSLCYJZ60003B	3G6.00	11,80	250,8				
YSLCYJZ60004B	4G6.00	13,00	321,3				
YSLCYJZ60005B	5G6.00	14,40	395,5				
YSLCYJZ60007B	7G6.00	15,90	526,6				

Application

Shielded wiring cable for measuring and control, suitable for tool machinery, conveyor belts, production lines, computer systems and electronics. Fixed installations. The cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unshathed a few cm. The core numbers have been underlined to avoid confusion. For version JB the earth wire is located in the outer layer. The high coverage of the shielding made in tinned copper grants interference-free transmission of all signals and impulses. A disturbance-free control cable is ideal for all above mentioned application.

Flexible control cables, colored - Cu-shielded



Marking

YSLCYJB05004B - PROSPECTA YSLCY-JB 4G0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors cabled in concentric layers	0,50	16 x 0.20	1,65	0,37
Central filler	(where applicable) flexible synthetic rope	0,75	24 x 0.20	1,90	0,37
Taping	Polyester foil	1,00	30 x 0.20	2,10	0,43
Shield	Tinned Copper, Braid	1,50	30 x 0.25	2,40	0,41
Jacket	Polyvinylchloride (PVC) TM2 (YM2)	2,50	50 x 0.25	3,00	0,47
Color	Grey RAL 7001	4,00	50 x 0.30	3,60	0,54
		6,00	75 x 0.30	4,20	0,57

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage U _o /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	2.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
On demand
General

International / European

EN 60228 Cl. 5
EN 50363-3
HD 308 S2
EN 50363-4-1
IEC 60332-1-2; EN 60332-1-2
IEC 60332.3; EN 60332.3
EN 50395; EN 50396

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-308
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0482-332-3
VDE 0245

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLCYOB05002B	2x0.50	5,10	35,6	YSLCYOB07502B	2x0.75	5,70	44,7
YSLCYJB05003B	3G0.50	5,40	43,6	YSLCYJB07503B	3G0.75	6,00	55,6
YSLCYJB05004B	4G0.50	5,90	53,6	YSLCYJB07504B	4G0.75	6,60	68,6
YSLCYJB05005B	5G0.50	6,40	64,2	YSLCYJB07505B	5G0.75	7,20	82,5
YSLCYJB05006B	6G0.50	7,00	75,1	YSLCYJB07506B	6G0.75	7,90	96,9
YSLCYJB05007B	7G0.50	7,00	81,6	YSLCYJB07507B	7G0.75	7,90	105,9
YSLCYJB05008B	8G0.50	7,60	91,6	YSLCYJB07508B	8G0.75	8,60	120,7
YSLCYJB05010B	10G0.50	8,90	116,0	YSLCYJB07510B	10G0.75	10,10	152,1
YSLCYJB05012B	12G0.50	9,20	131,0	YSLCYJB07512B	12G0.75	10,40	172,9
YSLCYJB05014B	14G0.50	9,70	149,5	YSLCYJB07514B	14G0.75	11,00	195,9
YSLCYJB05016B	16G0.50	10,30	167,1	YSLCYJB07516B	16G0.75	11,60	221,1
YSLCYJB05018B	18G0.50	10,80	184,9	YSLCYJB07518B	18G0.75	12,30	247,2
YSLCYJB05020B	20G0.50	11,40	204,7	YSLCYJB07520B	20G0.75	13,00	271,9
YSLCYJB05021B	21G0.50	11,40	211,1	YSLCYJB07521B	21G0.75	13,00	280,9
YSLCYJB05024B	24G0.50	12,80	245,0	YSLCYJB07524B	24G0.75	14,50	326,0
YSLCYJB05025B	25G0.50	12,80	251,4	YSLCYJB07525B	25G0.75	14,50	335,0
YSLCYJB05030B	30G0.50	13,50	291,7	YSLCYJB07527B	27G0.75	14,80	356,7
YSLCYJB05032B	32G0.50	14,10	312,6	YSLCYJB07530B	30G0.75	15,40	390,2
YSLCYJB05034B	34G0.50	14,70	331,8	YSLCYJB07532B	32G0.75	16,00	415,8
YSLCYJB05036B	36G0.50	14,70	344,7	YSLCYJB07534B	34G0.75	16,70	443,2
YSLCYJB05040B	40G0.50	15,30	377,3	YSLCYJB07536B	36G0.75	16,70	461,1
				YSLCYJB07537B	37G0.75	16,70	470,1
				YSLCYJB07540B	40G0.75	17,40	506,1
YSLCYOB10002B	2x1.00	6,10	51,7	YSLCYOB15002B	2x1.50	6,80	67,3
YSLCYJB10003B	3G1.00	6,60	66,4	YSLCYJB15003B	3G1.50	7,30	87,9
YSLCYJB10004B	4G1.00	7,10	82,3	YSLCYJB15004B	4G1.50	8,00	109,8
YSLCYJB10005B	5G1.00	7,80	99,2	YSLCYJB15005B	5G1.50	8,80	133,2
YSLCYJB10006B	6G1.00	8,60	116,6	YSLCYJB15007B	7G1.50	9,60	174,3
YSLCYJB10007B	7G1.00	8,60	127,9	YSLCYJB15008B	8G1.50	10,50	198,0
YSLCYJB10008B	8G1.00	9,30	144,7	YSLCYJB15010B	10G1.50	12,40	252,2
YSLCYJB10010B	10G1.00	11,00	183,1	YSLCYJB15012B	12G1.50	12,80	289,4
YSLCYJB10012B	12G1.00	11,40	210,5	YSLCYJB15014B	14G1.50	13,50	329,8
YSLCYJB10014B	14G1.00	12,00	238,8	YSLCYJB15016B	16G1.50	14,40	373,7
YSLCYJB10016B	16G1.00	12,70	270,2	YSLCYJB15018B	18G1.50	15,20	416,2
YSLCYJB10018B	18G1.00	13,40	300,2	YSLCYJB15019B	19G1.50	15,20	432,8
YSLCYJB10019B	19G1.00	13,40	311,4	YSLCYJB15021B	21G1.50	16,00	476,0
YSLCYJB10020B	20G1.00	14,20	332,9	YSLCYJB15024B	24G1.50	18,00	552,0
YSLCYJB10025B	25G1.00	15,90	408,5	YSLCYJB15025B	25G1.50	18,00	568,5
YSLCYJB10030B	30G1.00	16,90	478,6	YSLCYJB15027B	27G1.50	18,40	610,5
YSLCYJB10032B	32G1.00	17,60	510,5	YSLCYJB15030B	30G1.50	19,10	670,5
YSLCYJB10034B	34G1.00	18,30	546,2	YSLCYJB15034B	34G1.50	20,80	761,6
YSLCYJB10037B	37G1.00	18,30	580,0	YSLCYJB15035B	35G1.50	20,80	778,2

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLCYOB25002B	2x2.50	8,20	98,8	YSLCYOB40002B	2x4.00	9,60	137,3
YSLCYJB25003B	3G2.50	8,80	130,8	YSLCYJB40003B	3G4.00	10,30	182,5
YSLCYJB25004B	4G2.50	9,70	165,5	YSLCYJB40004B	4G4.00	11,30	232,4
YSLCYJB25005B	5G2.50	10,70	200,8	YSLCYJB40005B	5G4.00	12,50	285,0
YSLCYJB25007B	7G2.50	11,70	265,1	YSLCYJB40007B	7G4.00	13,80	376,6
YSLCYJB25010B	10G2.50	15,20	385,4				
YSLCYJB25012B	12G2.50	15,70	444,9				
YSLCYJB25018B	18G2.50	18,70	648,4				
YSLCYJB25025B	25G2.50	22,10	889,0				
YSLCYOB60002B	2x6.00	11,00	184,7				
YSLCYJB60003B	3G6.00	11,80	250,8				
YSLCYJB60004B	4G6.00	13,00	321,3				
YSLCYJB60005B	5G6.00	14,40	395,5				
YSLCYJB60007B	7G6.00	15,90	526,6				

Application

Shielded wiring cable for measuring and control, suitable for tool machinery, conveyor belts, production lines, computer systems and electronics. Fixed installations. The cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unshathed a few cm. The core numbers have been underlined to avoid confusion. For version JZ the earth wire is located in the outer layer. The high coverage of the shielding made in tinned copper grants interference-free transmission of all signals and impulses. A disturbance-free control cable is ideal for all above mentioned application.

Flexible control cables, numbered - Cu-shielded



Marking

YSLYCYJZ07504B - PROSPECTA YSLY-CY-JZ 4G0,75 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	1,65	0,37
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	1,90	0,37
Inner Jacket	Polyvinylchloride (PVC) TM2 (YM2)	1,00	30 x 0.20	2,10	0,43
Color	Grey RAL 7001	1,50	30 x 0.25	2,40	0,41
Shield	Tinned Copper, Braid	2,50	50 x 0.25	3,00	0,47
Outer Jacket	Polyvinylchloride (PVC) TM2 (YM2)	4,00	50 x 0.30	3,60	0,54
Color	Grey RAL 7001 or Transparent	6,00	75 x 0.30	4,20	0,57

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage Uo/U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	4.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor	EN 60228 Cl. 5
Insulation	EN 50363-3
Identification	EN 50334
Inner Jacket	EN 50363-4-1
Outer Jacket	EN 50363-4-1
Fire behaviour	IEC 60332-1-2; EN 60332-1-2
General	EN 50334; EN50396

International / European

German

VDE 0295 Kl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-334
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-1-2
VDE 0245

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLCYOZ050T02B	2x0.50	6,60	63,4	YSLCYOZ075T02B	2x0.75	7,40	79,3
YSLCYJZ050T03B	3G0.50	7,00	71,8	YSLCYJZ075T03B	3G0.75	7,80	92,3
YSLCYJZ050T04B	4G0.50	7,40	82,5	YSLCYJZ075T04B	4G0.75	8,40	107,3
YSLCYJZ050T05B	5G0.50	8,10	96,9	YSLCYJZ075T05B	5G0.75	9,10	125,7
YSLCYJZ050T06B	6G0.50	8,70	111,2	YSLCYJZ075T06B	6G0.75	9,90	145,8
YSLCYJZ050T07B	7G0.50	8,70	117,7	YSLCYJZ075T07B	7G0.75	9,90	154,7
YSLCYJZ050T08B	8G0.50	9,20	128,7	YSLCYJZ075T08B	8G0.75	10,40	169,5
YSLCYJZ050T10B	10G0.50	10,60	163,3	YSLCYJZ075T10B	10G0.75	12,20	217,8
YSLCYJZ050T12B	12G0.50	10,90	179,3	YSLCYJZ075T12B	12G0.75	12,50	240,4
YSLCYJZ050T14B	14G0.50	11,40	200,2	YSLCYJZ075T14B	14G0.75	13,20	269,1
YSLCYJZ050T16B	16G0.50	12,10	221,7	YSLCYJZ075T16B	16G0.75	13,90	300,9
YSLCYJZ050T18B	18G0.50	12,60	243,0	YSLCYJZ075T18B	18G0.75	14,70	333,0
YSLCYJZ050T19B	19G0.50	12,60	249,4	YSLCYJZ075T19B	19G0.75	14,70	342,0
YSLCYJZ050T20B	20G0.50	13,30	267,3	YSLCYJZ075T20B	20G0.75	15,50	366,0
YSLCYJZ050T21B	21G0.50	13,30	273,7	YSLCYJZ075T21B	21G0.75	15,50	375,0
YSLCYJZ050T24B	24G0.50	14,70	317,9	YSLCYJZ075T24B	24G0.75	17,20	441,7
YSLCYJZ050T25B	25G0.50	14,70	322,6	YSLCYJZ075T25B	25G0.75	17,20	448,4
YSLCYJZ050T27B	27G0.50	15,00	341,6	YSLCYJZ075T27B	27G0.75	17,50	475,1
YSLCYJZ050T28B	28G0.50	15,50	357,0	YSLCYJZ075T28B	28G0.75	18,20	498,2
YSLCYJZ050T30B	30G0.50	15,50	369,9	YSLCYJZ075T30B	30G0.75	18,20	516,2
YSLCYJZ050T32B	32G0.50	16,20	395,8	YSLCYJZ075T32B	32G0.75	19,00	551,2
YSLCYJZ050T34B	34G0.50	16,70	420,7	YSLCYJZ075T34B	34G0.75	19,70	590,6
YSLCYJZ050T35B	35G0.50	16,70	427,1	YSLCYJZ075T35B	35G0.75	19,70	599,6
YSLCYJZ050T36B	36G0.50	16,70	433,6	YSLCYJZ075T36B	36G0.75	19,70	608,6
YSLCYJZ050T40B	40G0.50	17,30	472,9	YSLCYJZ075T40B	40G0.75	20,40	665,8
YSLCYOZ100T02B	2x1.00	7,70	89,0	YSLCYOZ150T02B	2x1.50	8,40	109,7
YSLCYJZ100T03B	3G1.00	8,20	102,9	YSLCYJZ150T03B	3G1.50	9,00	129,9
YSLCYJZ100T04B	4G1.00	8,80	122,2	YSLCYJZ150T04B	4G1.50	9,70	155,9
YSLCYJZ100T05B	5G1.00	9,60	144,1	YSLCYJZ150T05B	5G1.50	10,60	186,0
YSLCYJZ100T06B	6G1.00	10,40	165,6	YSLCYJZ150T06B	6G1.50	11,60	218,3
YSLCYJZ100T07B	7G1.00	10,40	176,9	YSLCYJZ150T07B	7G1.50	11,60	234,8
YSLCYJZ100T08B	8G1.00	11,00	192,3	YSLCYJZ150T08B	8G1.50	12,40	261,7
YSLCYJZ100T10B	10G1.00	12,80	247,6	YSLCYJZ150T10B	10G1.50	14,50	333,4
YSLCYJZ100T12B	12G1.00	13,20	274,7	YSLCYJZ150T12B	12G1.50	14,90	371,8
YSLCYJZ100T14B	14G1.00	13,90	310,9	YSLCYJZ150T14B	14G1.50	15,60	417,3
YSLCYJZ100T16B	16G1.00	14,70	347,1	YSLCYJZ150T16B	16G1.50	16,40	467,3
YSLCYJZ100T18B	18G1.00	15,50	384,2	YSLCYJZ150T18B	18G1.50	17,40	516,9
YSLCYJZ100T19B	19G1.00	15,50	395,4	YSLCYJZ150T19B	19G1.50	17,40	533,5
YSLCYJZ100T20B	20G1.00	16,40	425,4	YSLCYJZ150T20B	20G1.50	18,20	566,8
YSLCYJZ100T21B	21G1.00	16,40	436,7	YSLCYJZ150T21B	21G1.50	18,20	583,3
YSLCYJZ100T24B	24G1.00	18,30	512,2	YSLCYJZ150T24B	24G1.50	20,30	681,6
YSLCYJZ100T25B	25G1.00	18,30	520,8	YSLCYJZ150T25B	25G1.50	20,30	694,6
YSLCYJZ100T27B	27G1.00	18,70	553,8	YSLCYJZ150T27B	27G1.50	20,70	738,6
YSLCYJZ100T28B	28G1.00	19,40	582,3	YSLCYJZ150T28B	28G1.50	21,40	770,9
YSLCYJZ100T30B	30G1.00	19,40	604,9	YSLCYJZ150T30B	30G1.50	21,40	804,0
YSLCYJZ100T32B	32G1.00	20,20	645,2	YSLCYJZ150T32B	32G1.50	22,40	856,8
YSLCYJZ100T34B	34G1.00	20,90	689,3	YSLCYJZ150T34B	34G1.50	23,20	913,9
YSLCYJZ100T35B	35G1.00	20,90	700,6	YSLCYJZ150T35B	35G1.50	23,20	930,4
YSLCYJZ100T36B	36G1.00	20,90	711,8	YSLCYJZ150T36B	36G1.50	23,20	947,0
YSLCYJZ100T40B	40G1.00	21,80	780,9	YSLCYJZ150T40B	40G1.50	24,10	1.038,9

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLYCYOZ250T02B	2x2.50	9,90	156,5	YSLYCYOZ400T02B	2x4.00	11,60	216,2
YSLYCYJZ250T03B	3G2.50	10,60	189,0	YSLYCYJZ400T03B	3G4.00	12,30	261,7
YSLYCYJZ250T04B	4G2.50	11,50	228,5	YSLYCYJZ400T04B	4G4.00	13,50	319,8
YSLYCYJZ250T05B	5G2.50	12,70	272,8	YSLYCYJZ400T05B	5G4.00	14,90	384,9
YSLYCYJZ250T07B	7G2.50	13,80	347,5	YSLYCYJZ400T07B	7G4.00	16,30	493,5
YSLYCYJZ250T10B	10G2.50	17,10	485,4				
YSLYCYJZ250T12B	12G2.50	17,70	546,8				
YSLYCYJZ250T18B	18G2.50	20,80	777,5				
YSLYCYJZ250T19B	19G2.50	20,80	804,2				
YSLYCYJZ250T25B	25G2.50	24,70	1.062,2				
YSLYCYOZ600T02B	2x6.00	13,30	294,6				
YSLYCYJZ600T03B	3G6.00	14,20	358,8				
YSLYCYJZ600T04B	4G6.00	15,50	437,5				
YSLYCYJZ600T05B	5G6.00	17,10	528,4				
YSLYCYJZ600T07B	7G6.00	18,70	680,4				

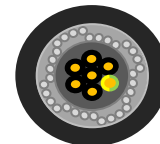
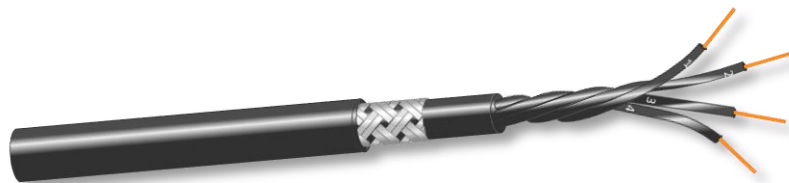
Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLCYOZX050T02B	2x0.50	6,60	59,4	YSLCYOZX075T02B	2x0.75	7,40	74,3
YSLCYJZX050T03B	3G0.50	7,00	67,4	YSLCYJZX075T03B	3G0.75	7,80	86,9
YSLCYJZX050T04B	4G0.50	7,40	77,7	YSLCYJZX075T04B	4G0.75	8,40	101,1
YSLCYJZX050T05B	5G0.50	8,10	91,3	YSLCYJZX075T05B	5G0.75	9,10	118,7
YSLCYJZX050T06B	6G0.50	8,70	105,0	YSLCYJZX075T06B	6G0.75	9,90	137,8
YSLCYJZX050T07B	7G0.50	8,70	111,4	YSLCYJZX075T07B	7G0.75	9,90	146,7
YSLCYJZX050T08B	8G0.50	9,20	122,3	YSLCYJZX075T08B	8G0.75	10,40	162,2
YSLCYJZX050T10B	10G0.50	10,60	155,5	YSLCYJZX075T10B	10G0.75	12,20	208,1
YSLCYJZX050T12B	12G0.50	10,90	171,2	YSLCYJZX075T12B	12G0.75	12,50	230,2
YSLCYJZX050T14B	14G0.50	11,40	191,4	YSLCYJZX075T14B	14G0.75	13,20	257,9
YSLCYJZX050T16B	16G0.50	12,10	212,2	YSLCYJZX075T16B	16G0.75	13,90	288,7
YSLCYJZX050T18B	18G0.50	12,60	232,8	YSLCYJZX075T18B	18G0.75	14,70	319,5
YSLCYJZX050T19B	19G0.50	12,60	239,3	YSLCYJZX075T19B	19G0.75	14,70	328,4
YSLCYJZX050T20B	20G0.50	13,30	256,3	YSLCYJZX075T20B	20G0.75	15,50	351,1
YSLCYJZX050T21B	21G0.50	13,30	262,8	YSLCYJZX075T21B	21G0.75	15,50	360,1
YSLCYJZX050T24B	24G0.50	14,70	305,1	YSLCYJZX075T24B	24G0.75	17,20	423,7
YSLCYJZX050T25B	25G0.50	14,70	309,8	YSLCYJZX075T25B	25G0.75	17,20	430,4
YSLCYJZX050T27B	27G0.50	15,00	328,4	YSLCYJZX075T27B	27G0.75	17,50	456,5
YSLCYJZX050T28B	28G0.50	15,50	343,1	YSLCYJZX075T28B	28G0.75	18,20	478,3
YSLCYJZX050T30B	30G0.50	15,50	356,0	YSLCYJZX075T30B	30G0.75	18,20	496,3
YSLCYJZX050T32B	32G0.50	16,20	380,9	YSLCYJZX075T32B	32G0.75	19,00	529,7
YSLCYJZX050T34B	34G0.50	16,70	405,0	YSLCYJZX075T34B	34G0.75	19,70	567,7
YSLCYJZX050T35B	35G0.50	16,70	411,5	YSLCYJZX075T35B	35G0.75	19,70	576,6
YSLCYJZX050T36B	36G0.50	16,70	417,9	YSLCYJZX075T36B	36G0.75	19,70	585,6
YSLCYJZX050T40B	40G0.50	17,30	456,3	YSLCYJZX075T40B	40G0.75	20,40	641,1
YSLCYOZX100T02B	2x1.00	7,70	83,6	YSLCYOZX150T02B	2x1.50	8,40	104,2
YSLCYJZX100T03B	3G1.00	8,20	97,0	YSLCYJZX150T03B	3G1.50	9,00	123,8
YSLCYJZX100T04B	4G1.00	8,80	115,5	YSLCYJZX150T04B	4G1.50	9,70	148,8
YSLCYJZX100T05B	5G1.00	9,60	136,5	YSLCYJZX150T05B	5G1.50	10,60	177,7
YSLCYJZX100T06B	6G1.00	10,40	157,0	YSLCYJZX150T06B	6G1.50	11,60	208,5
YSLCYJZX100T07B	7G1.00	10,40	168,3	YSLCYJZX150T07B	7G1.50	11,60	225,0
YSLCYJZX100T08B	8G1.00	11,00	184,3	YSLCYJZX150T08B	8G1.50	12,40	251,0
YSLCYJZX100T10B	10G1.00	12,80	237,1	YSLCYJZX150T10B	10G1.50	14,50	320,3
YSLCYJZX100T12B	12G1.00	13,20	263,7	YSLCYJZX150T12B	12G1.50	14,90	358,2
YSLCYJZX100T14B	14G1.00	13,90	298,9	YSLCYJZX150T14B	14G1.50	15,60	402,8
YSLCYJZX100T16B	16G1.00	14,70	333,8	YSLCYJZX150T16B	16G1.50	16,40	451,8
YSLCYJZX100T18B	18G1.00	15,50	369,7	YSLCYJZX150T18B	18G1.50	17,40	500,2
YSLCYJZX100T19B	19G1.00	15,50	381,0	YSLCYJZX150T19B	19G1.50	17,40	516,7
YSLCYJZX100T20B	20G1.00	16,40	409,5	YSLCYJZX150T20B	20G1.50	18,20	549,0
YSLCYJZX100T21B	21G1.00	16,40	420,8	YSLCYJZX150T21B	21G1.50	18,20	565,5
YSLCYJZX100T24B	24G1.00	18,30	493,0	YSLCYJZX150T24B	24G1.50	20,30	661,0
YSLCYJZX100T25B	25G1.00	18,30	501,5	YSLCYJZX150T25B	25G1.50	20,30	673,9
YSLCYJZX100T27B	27G1.00	18,70	533,8	YSLCYJZX150T27B	27G1.50	20,70	717,4
YSLCYJZX100T28B	28G1.00	19,40	561,0	YSLCYJZX150T28B	28G1.50	21,40	748,6
YSLCYJZX100T30B	30G1.00	19,40	583,6	YSLCYJZX150T30B	30G1.50	21,40	781,7
YSLCYJZX100T32B	32G1.00	20,20	622,3	YSLCYJZX150T32B	32G1.50	22,40	833,1
YSLCYJZX100T34B	34G1.00	20,90	664,8	YSLCYJZX150T34B	34G1.50	23,20	889,0
YSLCYJZX100T35B	35G1.00	20,90	676,1	YSLCYJZX150T35B	35G1.50	23,20	905,6
YSLCYJZX100T36B	36G1.00	20,90	687,4	YSLCYJZX150T36B	36G1.50	23,20	922,1
YSLCYJZX100T40B	40G1.00	21,80	754,6	YSLCYJZX150T40B	40G1.50	24,10	1.012,6

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLYCYOZX250T02B	2x2.50	9,90	149,3	YSLYCYOZX400T02B	2x4.00	11,60	207,2
YSLYCYJZX250T03B	3G2.50	10,60	180,9	YSLYCYJZX400T03B	3G4.00	12,30	251,6
YSLYCYJZX250T04B	4G2.50	11,50	219,2	YSLYCYJZX400T04B	4G4.00	13,50	308,1
YSLYCYJZX250T05B	5G2.50	12,70	261,8	YSLYCYJZX400T05B	5G4.00	14,90	370,9
YSLYCYJZX250T07B	7G2.50	13,80	334,7	YSLYCYJZX400T07B	7G4.00	16,30	477,2
YSLYCYJZX250T10B	10G2.50	17,10	470,0				
YSLYCYJZX250T12B	12G2.50	17,70	530,6				
YSLYCYJZX250T18B	18G2.50	20,80	755,7				
YSLYCYJZX250T19B	19G2.50	20,80	782,4				
YSLYCYJZX250T25B	25G2.50	24,70	1.032,6				
YSLYCYOZX600T02B	2x6.00	13,30	284,4				
YSLYCYJZX600T03B	3G6.00	14,20	347,4				
YSLYCYJZX600T04B	4G6.00	15,50	424,4				
YSLYCYJZX600T05B	5G6.00	17,10	513,0				
YSLYCYJZX600T07B	7G6.00	18,70	662,6				

Application

Shielded wiring cable for measuring and controlling suitable in tool machinery, conveyor belts and production lines, for installations of air conditioning and in steel production plants and rolling mills. For flexible use with medium mechanical stresses, without tensile stress or forced movements in dry, moist and wet rooms as well as outdoor (fixed installation). Is not suitable to be used directly underground or as underwater cable. The cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unshielded a few cm. The core numbers have been underlined to avoid confusion. The earth wire is located in the outer layer. The high coverage of the shielding made in tinned copper grants interference-free transmission of all signals and impulses. A disturbance-free control cable is ideal for all above mentioned application. The black outer sheath is made with special PVC resistant to the ultra violet radiations.

Flexible control cables, numbered - Cu-shielded, 0,6/1 kV, UV-Resistant



Marking

YSLYCYJZHV050T04B - PROSPECTA YSLYCY-JZ 4G0,50 0.6/1 KV (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

		Section	Construction	Diameter	Thickness
Inner Conductor	Bare Copper, Stranded				
Insulation	Polyvinylchloride (PVC) TI2 (YI2)		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	2,00	0,55
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	2,40	0,62
Inner Jacket	Polyvinylchloride (PVC) TM2 (YM2)	1,00	30 x 0.20	2,50	0,63
Color	Black RAL 9005	1,50	30 x 0.25	3,10	0,76
Shield	Tinned Copper, Braid	2,50	50 x 0.25	3,60	0,77
Outer Jacket	Polyvinylchloride (PVC) TM2 (YM2)	4,00	50 x 0.30	4,10	0,79
Color	Black RAL 9005	6,00	75 x 0.30	4,60	0,77
Resistant to	UV-Resistant				

Technical Data

			Section	Inner Conductor Resistance
Peak Operating Voltage (Not for power purposes)	Volt	250		
Operating Voltage U ₀ /U	Volt	600/1000	mm ²	Ohm / km
Test Voltage	Volt (Ac)	6.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation		4,00	4,95
			20 x Diameter	6,00

Standards

Inner Conductor	EN 60228 Cl. 5
Insulation	EN 50363-3
Identification	EN 50334
Inner Jacket	EN 50363-4-1
Outer Jacket	EN 50363-4-1
Fire behaviour	IEC 60332.3
Resistant to	HD 605/A1 (UV resistance)
General	EN 50334; EN50396

International / European

German

VDE 0295 Cl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-334
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0207-363-4-1; DIN VDE 0207-5
VDE 0482-332-3

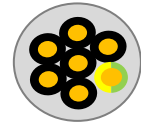
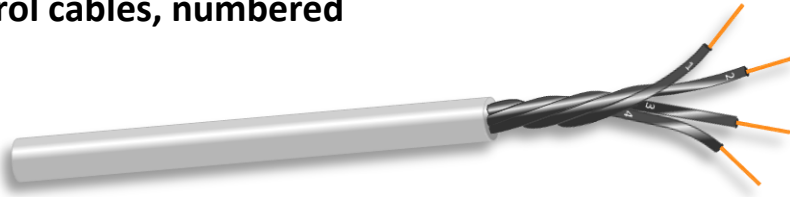
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLYCYOZHV075T02B	2x0.75	8,70	106,3	YSLYCYOZHV100T02B	2x1.00	9,20	121,3
YSLYCYJZHV075T03B	3G0.75	9,10	121,4	YSLYCYJZHV100T03B	3G1.00	9,80	141,8
YSLYCYJZHV075T04B	4G0.75	9,90	143,4	YSLYCYJZHV100T04B	4G1.00	10,60	168,0
YSLYCYJZHV075T05B	5G0.75	10,80	168,8	YSLYCYJZHV100T05B	5G1.00	11,50	196,7
YSLYCYJZHV075T07B	7G0.75	11,70	207,8	YSLYCYJZHV100T07B	7G1.00	12,50	244,5
YSLYCYJZHV075T12B	12G0.75	14,90	318,0	YSLYCYJZHV100T12B	12G1.00	15,90	382,8
YSLYCYJZHV075T18B	18G0.75	17,30	434,6	YSLYCYJZHV100T18B	18G1.00	18,50	522,1
				YSLYCYJZHV100T25B	25G1.00	21,60	693,5
YSLYCYOZHV150T02B	2x1.50	10,30	156,2	YSLYCYJZHV250T03B	3G2.50	12,80	257,5
YSLYCYJZHV150T03B	3G1.50	11,00	183,1	YSLYCYJZHV250T04B	4G2.50	13,90	309,6
YSLYCYJZHV150T04B	4G1.50	11,90	218,7	YSLYCYJZHV250T05B	5G2.50	15,10	366,0
YSLYCYJZHV150T05B	5G1.50	13,00	258,4	YSLYCYJZHV250T07B	7G2.50	16,60	462,5
YSLYCYJZHV150T07B	7G1.50	14,30	325,6	YSLYCYJZHV250T12B	12G2.50	21,70	752,9
YSLYCYJZHV150T12B	12G1.50	18,60	525,2				
YSLYCYJZHV150T18B	18G1.50	21,60	719,3				
YSLYCYJZHV150T25B	25G1.50	25,10	959,0				
YSLYCYJZHV400T03B	3G4.00	14,50	337,5				
YSLYCYJZHV400T04B	4G4.00	15,90	405,7				
YSLYCYJZHV400T05B	5G4.00	17,40	484,7				
YSLYCYJZHV600T03B	3G6.00	16,00	430,6				
YSLYCYJZHV600T04B	4G6.00	17,50	524,0				
YSLYCYJZHV600T05B	5G6.00	19,20	630,5				

Application

These special Control cables are an extremely strong version, have high abrasion and tear resistance properties. The sheath made in Poliurethane (PUR) with its high resistance to mineral oils and especially coolant emulsions is suitable for installation in the machines tools, industrial plants, refining plants as well as in the steel industry for difficult and problem areas. The high flexibility of this cable type makes it quick and easy to install. Suitable for outdoor installations. The cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unsheathed a few cm. The core numbers have been underlined to avoid confusion. For version JZ the earth wire is located in the outer layer.

Flexible control cables, numbered



Marking

YSL11YJZ07504B - PROSPECTA YSL11Y-JZ 4G0,75 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	1,65	0,37
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	1,90	0,37
Jacket	PUR (Thermoplastic based TPE-U)	1,00	30 x 0.20	2,10	0,43
Color	Grey RAL 7001	1,50	30 x 0.25	2,40	0,41
		2,50	50 x 0.25	3,00	0,47
		4,00	50 x 0.30	3,60	0,54
		6,00	75 x 0.30	4,20	0,57

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage U _o /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	2.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
Oil Resistance
Fuel Resistance
General

International / European

EN 60228 Cl. 5
EN 50363-3
EN 50334
IEC 60332-1-2; EN 60332-1-2
EN 50363-10-2; HD 22.10 - UL 1581
B ISO 1817
EN 50334; EN50396

German

VDE 0295 Cl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-334
VDE 0482-332-1-2
VDE 0282-10
VDE 0245

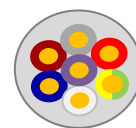
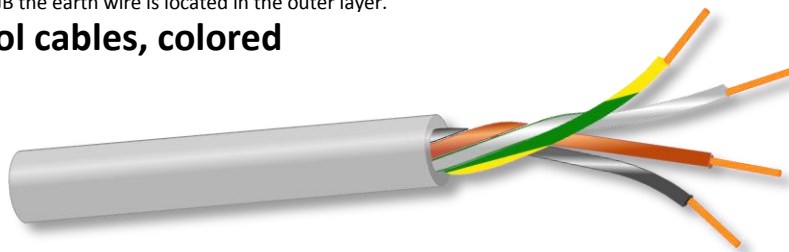
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSL11YOZ07502B	2x0.75	5,30	38,6	YSL11YOZ10002B	2x1.00	5,60	44,6
YSL11YJZ07503B	3G0.75	5,70	47,7	YSL11YJZ10003B	3G1.00	6,00	55,9
YSL11YJZ07504B	4G0.75	6,20	58,6	YSL11YJZ10004B	4G1.00	6,60	69,2
YSL11YJZ07505B	5G0.75	6,80	70,6	YSL11YJZ10005B	5G1.00	7,30	83,8
YSL11YJZ07507B	7G0.75	7,50	91,9	YSL11YJZ10007B	7G1.00	8,00	110,2
YSL11YOZ15002B	2x1.50	6,40	61,8	YSL11YOZ25002B	2x2.50	7,80	94,7
YSL11YJZ15003B	3G1.50	6,90	78,2	YSL11YJZ25003B	3G2.50	8,40	121,1
YSL11YJZ15004B	4G1.50	7,50	97,4	YSL11YJZ25004B	4G2.50	9,20	151,6
YSL11YJZ15005B	5G1.50	8,30	118,3	YSL11YJZ25005B	5G2.50	10,20	184,6
YSL11YJZ15007B	7G1.50	9,20	156,3	YSL11YJZ25007B	7G2.50	11,20	245,3

Application

These special Control cables are an extremely strong version, have high abrasion and tear resistance properties. The sheath made in Poliurethane (PUR) with its high resistance to mineral oils and especially coolant emulsions is suitable for installation in the machines tools, industrial plants, refining plants as well as in the steel industry for difficult and problem areas. The high flexibility of this cable type makes it quick and easy to install. Suitable for outdoor installations. The cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unsheathed a few cm. The core numbers have been underlined to avoid confusion. For version JB the earth wire is located in the outer layer.

Flexible control cables, colored



Marking

YSL11YJB07504B - PROSPECTA YSL11Y-JB 4G0,75 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Polyvinylchloride (PVC) T12 (Y12)		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors cabled in concentric layers	0,50	16 x 0.20	1,65	0,37
Jacket	PUR (Thermoplastic based TPE-U)	0,75	24 x 0.20	1,90	0,37
Color	Grey RAL 7001	1,00	30 x 0.20	2,10	0,43
		1,50	30 x 0.25	2,40	0,41
		2,50	50 x 0.25	3,00	0,47
		4,00	50 x 0.30	3,60	0,54
		6,00	75 x 0.30	4,20	0,57

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage U _o /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	2.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
				6,00

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
Oil Resistance
Fuel Resistance
General

International / European

EN 60228 Cl. 5
EN 50363-3
HD 308 S2
IEC 60332-1-2; EN 60332-1-2
EN 50363-10-2; HD 22.10 - UL 1581
B ISO 1817
EN 50334; EN50396

German

VDE 0295 Cl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-308
VDE 0482-332-1-2
VDE 0282-10
VDE 0245

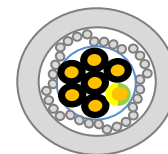
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSL11YOB07502B	2x0.75	5,30	38,6	YSL11YOB10002B	2x1.00	5,60	44,6
YSL11YJB07503B	3G0.75	5,70	47,7	YSL11YJB10003B	3G1.00	6,00	55,9
YSL11YJB07504B	4G0.75	6,20	58,6	YSL11YJB10004B	4G1.00	6,60	69,2
YSL11YJB07505B	5G0.75	6,80	70,6	YSL11YJB10005B	5G1.00	7,30	83,8
YSL11YJB07507B	7G0.75	7,50	91,9	YSL11YJB10007B	7G1.00	8,00	110,2
YSL11YOB15002B	2x1.50	6,40	61,8	YSL11YOB25002B	2x2.50	7,80	94,7
YSL11YJB15003B	3G1.50	6,90	78,2	YSL11YJB25003B	3G2.50	8,40	121,1
YSL11YJB15004B	4G1.50	7,50	97,4	YSL11YJB25004B	4G2.50	9,20	151,6
YSL11YJB15005B	5G1.50	8,30	118,3	YSL11YJB25005B	5G2.50	10,20	184,6
YSL11YJB15007B	7G1.50	9,20	156,3	YSL11YJB25007B	7G2.50	11,20	245,3

Application

These special Control cables are an extremely strong version, have high abrasion and tear resistance properties. The sheath made in Poliurethane (PUR) with its high resistance to mineral oils and especially coolant emulsions is suitable for installation in the machines tools, industrial plants, refining plants as well as in the steel industry for difficult and problem areas. The high flexibility of this cable type makes it quick and easy to install. Suitable for outdoor installations. The cores have been numbered in such a way that the numbers are easily readable, even if the cable has been unshathed a few cm. The core numbers have been underlined to avoid confusion. For version JZ the earth wire is located in the outer layer.

Flexible control cables, numbered - Cu-shielded



Marking

YSLCYJZ05004B - PROSPECTA YSLCY-JZ 4G0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

		Section	Construction (Approx.)	Diameter	Thickness
Inner Conductor	Bare Copper, Stranded				
Insulation	Polyvinylchloride (PVC) T12 (Y12)				
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	1,65	0,37
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	1,90	0,37
Central filler	(where applicable) flexible synthetic rope	1,00	30 x 0.20	2,10	0,43
Taping	Polyester foil	1,50	30 x 0.25	2,40	0,41
Shield	Tinned Copper, Braid	2,50	50 x 0.25	3,00	0,47
Jacket	PUR (Thermoplastic based TPE-U)	4,00	50 x 0.30	3,60	0,54
Color	Grey RAL 7001	6,00	75 x 0.30	4,20	0,57

Technical Data

		Volt	Section	Inner Conductor Resistance
Peak Operating Voltage (Not for power purposes)		250	mm ²	Ohm / km
Operating Voltage Uo/U		300/500	0,50	39,00
Test Voltage		2.000	0,75	26,00
Insulation Resistance		MOhm x km	> 20	
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Fire behaviour
Oil Resistance
Fuel Resistance
General

International / European

EN 60228 Cl. 5
EN 50363-3
EN 50334
IEC 60332-1-2; EN 60332-1-2
EN 50363-10-2; HD 22.10 - UL 1581
B ISO 1817
EN 50334; EN50396

German

VDE 0295 Cl. 5
VDE 0207-363-3; DIN VDE 0207-4
VDE 0293-334
VDE 0482-332-1-2
VDE 0282-10
VDE 0245

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
YSLC11YOB07502B	2x0.75	5,30	43,4	YSLC11YOB10002B	2x1.00	5,60	49,8
YSLC11YJB07503B	3G0.75	5,70	52,6	YSLC11YJB10003B	3G1.00	6,00	61,0
YSLC11YJB07504B	4G0.75	6,20	63,9	YSLC11YJB10004B	4G1.00	6,60	74,8
YSLC11YJB07505B	5G0.75	6,80	76,6	YSLC11YJB10005B	5G1.00	7,30	90,2
YSLC11YJB07507B	7G0.75	7,50	98,7	YSLC11YJB10007B	7G1.00	8,00	117,5
YSLC11YOB15002B	2x1.50	6,40	68,5	YSLC11YOB25002B	2x2.50	7,80	104,4
YSLC11YJB15003B	3G1.50	6,90	84,9	YSLC11YJB25003B	3G2.50	8,40	130,7
YSLC11YJB15004B	4G1.50	7,50	104,8	YSLC11YJB25004B	4G2.50	9,20	162,1
YSLC11YJB15005B	5G1.50	8,30	126,6	YSLC11YJB25005B	5G2.50	10,20	196,6
YSLC11YJB15007B	7G1.50	9,20	165,8	YSLC11YJB25007B	7G2.50	11,20	258,9

Application

These cables are used for flexible use with free movements without tensile stress or forced movements, in environments dry, not suitable for outdoor installations. Wherever the construction requirements call for a minimum outer diameter, the LIHH cables are suitable for electronic, computer, measurement and control sectors. Insulation and sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.).

Electronic cables unshielded



Marking

LIHH05004B - PROSPECTA LIHH 4 x 0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Thermoplastic Halogen-free compound TI7		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors cabled in concentric layers	0,14	18 x 0.10	1,00	0,25
Jacket	Thermoplastic Halogen-free compound M1	0,25	8 x 0.20	1,20	0,28
Color	Grey RAL 7001	0,25	14 x 0.15	1,20	0,27
		0,35	11 x 0.20	1,40	0,31
		0,50	16 x 0.20	1,65	0,37
		0,75	24 x 0.20	1,90	0,37
		1,00	30 x 0.20	2,10	0,43
		1,50	30 x 0.25	2,60	0,51

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	Section	Inner Conductor Resistance			
Peak Operating Voltage	Section	0,14	Volt	250	Section	Inner Conductor Resistance
		0,25 ± 1,50	Volt	500	mm ²	Ohm / km
Test Voltage	Section	0,14	Volt (Ac)	900	0,14	145,00
		0,25 ± 1,50	Volt (Ac)	1.200	0,25	78,00
Insulation Resistance			MOhm x km	2.500	0,25	78,00
Temperature Range	Fixed Installation			> 200	0,35	57,00
	Mobile Installation			-20 °C / + 70 °C	0,50	39,00
Min. Bending Radius	Fixed Installation			- 5 °C / + 50 °C	0,75	26,00
	Mobile Installation			10 x Diameter	1,00	19,50
				20 x Diameter	1,50	13,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Halogen Free
Fire behaviour
Low smoke emission
Corrosive gases

International / European

EN 60228 Cl. 5
EN 50363-7
EN 50363-8
IEC 60754.1; EN 50267-2-1
IEC 60332.3; EN 60332-3
EN 61034.1-2; EN50268.1-2
IEC 60754-2; EN 50267-2-2

German

VDE 0295 Cl. 5
VDE 0207-363-7
DIN 47100
VDE 0207-363-8; VDE 0207-24 (HM2); VDE 0250-15 (HM5)
VDE 0482-267-2-1
VDE 0482-332-3; VDE 0482-266-2
VDE 0482-268.1-2
VDE 0482-267-2-2

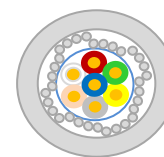
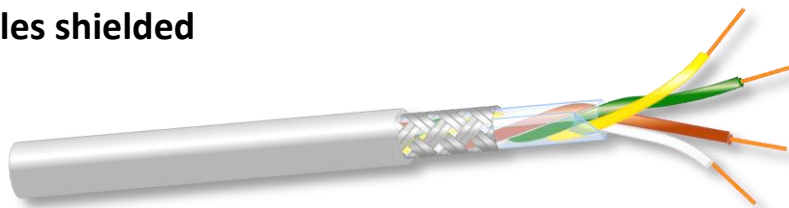
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIHH01402B	2x0.14	3,10	13,6	LIHH02502B	2x0.25	3,60	18,4
LIHH01403B	3x0.14	3,30	16,0	LIHH02503B	3x0.25	3,80	21,9
LIHH01404B	4x0.14	3,60	19,1	LIHH02504B	4x0.25	4,20	26,3
LIHH01405B	5x0.14	3,90	22,5	LIHH02505B	5x0.25	4,60	31,3
LIHH01406B	6x0.14	4,30	26,2	LIHH02506B	6x0.25	5,00	36,5
LIHH01407B	7x0.14	4,30	28,4	LIHH02507B	7x0.25	5,00	39,7
LIHH01408B	8x0.14	4,60	32,2	LIHH02508B	8x0.25	5,40	45,1
LIHH01410B	10x0.14	5,40	41,2	LIHH02510B	10x0.25	6,40	58,1
LIHH01412B	12x0.14	5,60	46,1	LIHH02512B	12x0.25	6,60	65,3
LIHH01414B	14x0.14	5,90	51,9	LIHH02514B	14x0.25	6,90	73,8
LIHH01416B	16x0.14	6,30	58,1	LIHH02516B	16x0.25	7,30	82,7
LIHH01418B	18x0.14	6,60	64,4	LIHH02518B	18x0.25	7,80	91,9
LIHH01420B	20x0.14	7,00	70,9	LIHH02520B	20x0.25	8,20	101,3
LIHH025A02B	2x0.25 (0,15)	3,60	18,8	LIHH03502B	2x0.35	4,10	24,0
LIHH025A03B	3x0.25 (0,15)	3,80	22,4	LIHH03503B	3x0.35	4,30	28,7
LIHH025A04B	4x0.25 (0,15)	4,20	27,0	LIHH03504B	4x0.35	4,70	34,7
LIHH025A05B	5x0.25 (0,15)	4,60	32,2	LIHH03505B	5x0.35	5,20	41,4
LIHH025A06B	6x0.25 (0,15)	5,00	37,5	LIHH03506B	6x0.35	5,70	48,5
LIHH025A07B	7x0.25 (0,15)	5,00	41,0	LIHH03507B	7x0.35	5,70	53,0
LIHH025A08B	8x0.25 (0,15)	5,40	46,5	LIHH03508B	8x0.35	6,20	60,3
LIHH025A10B	10x0.25 (0,15)	6,40	59,8	LIHH03510B	10x0.35	7,30	77,7
LIHH025A12B	12x0.25 (0,15)	6,60	67,4	LIHH03512B	12x0.35	7,50	87,7
LIHH025A14B	14x0.25 (0,15)	6,90	76,2	LIHH03514B	14x0.35	8,00	99,3
LIHH025A16B	16x0.25 (0,15)	7,30	85,5	LIHH03516B	16x0.35	8,40	111,6
LIHH025A18B	18x0.25 (0,15)	7,80	95,1	LIHH03518B	18x0.35	8,90	124,1
LIHH025A20B	20x0.25 (0,15)	8,20	104,8	LIHH03520B	20x0.35	9,40	136,9
LIHH05002B	2x0.50	4,60	32,1	LIHH07502B	2x0.75	5,20	41,9
LIHH05003B	3x0.50	5,00	38,7	LIHH07503B	3x0.75	5,60	51,0
LIHH05004B	4x0.50	5,40	47,1	LIHH07504B	4x0.75	6,10	62,3
LIHH05005B	5x0.50	6,00	56,5	LIHH07505B	5x0.75	6,80	75,0
LIHH05006B	6x0.50	6,50	66,2	LIHH07506B	6x0.75	7,40	88,2
LIHH05007B	7x0.50	6,50	72,7	LIHH07507B	7x0.75	7,40	97,1
LIHH05008B	8x0.50	7,10	82,8	LIHH07508B	8x0.75	8,10	110,9
LIHH05010B	10x0.50	8,50	107,0	LIHH07512B	12x0.75	10,00	162,8
LIHH05012B	12x0.50	8,80	121,1				
LIHH05016B	16x0.50	9,80	154,7				
LIHH05018B	18x0.50	10,40	172,3				
LIHH05020B	20x0.50	11,00	190,3				
LIHH10002B	2x1.00	5,70	50,6	LIHH15002B	2x1.50	6,80	75,3
LIHH10003B	3x1.00	6,10	62,0	LIHH15003B	3x1.50	7,30	93,0
LIHH10004B	4x1.00	6,70	76,0	LIHH15004B	4x1.50	8,10	114,6

Application

These shielded cables are used for flexible use with free movements without tensile stress or forced movements, in environments dry, not suitable for outdoor installations. Wherever the construction requirements call for a minimum outer diameter, the LIHCH cables are suitable for electronic, computer, measurement and control sectors. Insulation and sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.). The high coverage of the shielding made in tinned copper grants interference-free transmission of all signals and impulses. A disturbance-free control cable is ideal for all above mentioned application.

Electronic cables shielded



Marking

LIHCH10004B - PROSPECTA LIHCH 4x1,00 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Insulation	Identification	Cabling	Central filler	Taping	Shield	Jacket	Color	Section	Construction (Approx.)	Diameter	Thickness
± Copper, Stranded	Thermoplastic Halogen-free compound T17	Colored	Conductors cabled in concentric layers	(where applicable) flexible synthetic rope	Polyester foil	Tinned Copper, Braid	Thermoplastic Halogen-free compound M1	Grey RAL 7001	mm ²	Nr / Ø mm	mm	mm
									0,14	18 x 0.10	1,00	0,25
									0,25	8 x 0.20	1,20	0,28
									0,25	14 x 0.15	1,20	0,27
									0,35	11 x 0.20	1,40	0,31
									0,50	16 x 0.20	1,65	0,37
									0,75	24 x 0.20	1,90	0,37
									1,00	30 x 0.20	2,10	0,43
									1,50	30 x 0.25	2,60	0,51

Technical Data

Peak Operating Voltage (Not for power purposes)	Section	0,14	Volt	250	Section	Inner Conductor Resistance
Peak Operating Voltage	Section	0,14	Volt	350	mm ²	Ohm / km
		0,25 ± 1,50	Volt	500	0,14	145,00
Test Voltage	Section	0,14	Volt (Ac)	800	0,25	78,00
		0,25 ± 1,50	Volt (Ac)	1.200	0,25	78,00
Insulation Resistance			MOhm x km	> 200	0,35	57,00
Temperature Range	Fixed Installation			-20 °C / + 70 °C	0,50	39,00
	Mobile Installation			- 5 °C / + 50 °C	0,75	26,00
Min. Bending Radius	Fixed Installation			10 x Diameter	1,00	19,50
	Mobile Installation			20 x Diameter	1,50	13,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Halogen Free
Fire behaviour
Low smoke emission
Corrosive gases

International / European

EN 60228 Cl. 5
EN 50363-7
EN 50363-8
IEC 60754.1; EN 50267-2-1
IEC 60332.3; EN 60332-3
EN 61034.1-2; EN50268.1-2
IEC 60754-2; EN 50267-2-2

German

VDE 0295 Cl. 5
VDE 0207-363-7
DIN 47100
VDE 0207-363-8; VDE 0207-24 (HM2); VDE 0250-15 (HM5)
VDE 0482-267-2-1
VDE 0482-332-3; VDE 0482-266-2
VDE 0482-268.1-2
VDE 0482-267-2-2

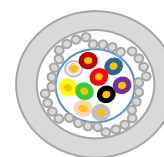
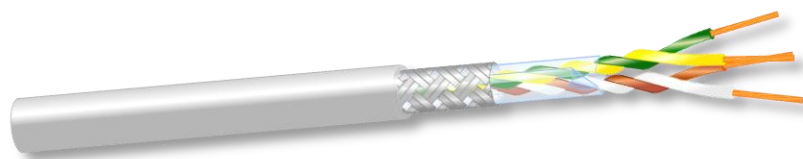
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIHCH01402B	2x0.14	3,60	18,5	LIHCH02502B	2x0.25	4,10	22,4
LIHCH01403B	3x0.14	3,80	21,4	LIHCH02503B	3x0.25	4,30	27,7
LIHCH01404B	4x0.14	4,10	24,6	LIHCH02504B	4x0.25	4,60	32,4
LIHCH01405B	5x0.14	4,40	29,3	LIHCH02505B	5x0.25	5,00	38,6
LIHCH01406B	6x0.14	4,70	33,0	LIHCH02506B	6x0.25	5,40	43,8
LIHCH01407B	7x0.14	4,70	35,1	LIHCH02507B	7x0.25	5,40	47,0
LIHCH01408B	8x0.14	5,10	40,1	LIHCH02508B	8x0.25	5,90	53,6
LIHCH01410B	10x0.14	5,90	49,5	LIHCH02510B	10x0.25	6,80	66,5
LIHCH01412B	12x0.14	6,10	54,7	LIHCH02512B	12x0.25	7,00	75,4
LIHCH01414B	14x0.14	6,40	61,9	LIHCH02514B	14x0.25	7,40	84,0
LIHCH01416B	16x0.14	6,70	68,1	LIHCH02516B	16x0.25	7,80	94,3
LIHCH01418B	18x0.14	7,10	75,6	LIHCH02518B	18x0.25	8,20	103,5
LIHCH01420B	20x0.14	7,40	82,2	LIHCH02520B	20x0.25	8,70	114,2
LIHCH025A02B	2x0.25 (0,15)	4,10	22,7	LIHCH03502B	2x0.35	4,50	28,0
LIHCH025A03B	3x0.25 (0,15)	4,30	28,2	LIHCH03503B	3x0.35	4,80	33,7
LIHCH025A04B	4x0.25 (0,15)	4,60	33,1	LIHCH03504B	4x0.35	5,20	41,1
LIHCH025A05B	5x0.25 (0,15)	5,00	39,4	LIHCH03505B	5x0.35	5,70	49,1
LIHCH025A06B	6x0.25 (0,15)	5,40	44,8	LIHCH03506B	6x0.35	6,10	56,1
LIHCH025A07B	7x0.25 (0,15)	5,40	48,2	LIHCH03507B	7x0.35	6,10	60,7
LIHCH025A08B	8x0.25 (0,15)	5,90	55,0	LIHCH03508B	8x0.35	6,60	69,1
LIHCH025A10B	10x0.25 (0,15)	6,80	68,3	LIHCH03510B	10x0.35	7,80	87,3
LIHCH025A12B	12x0.25 (0,15)	7,00	77,5	LIHCH03512B	12x0.35	8,00	97,9
LIHCH025A14B	14x0.25 (0,15)	7,40	86,5	LIHCH03514B	14x0.35	8,40	109,8
LIHCH025A16B	16x0.25 (0,15)	7,80	97,1	LIHCH03516B	16x0.35	8,90	123,4
LIHCH025A18B	18x0.25 (0,15)	8,20	106,7	LIHCH03518B	18x0.35	9,40	136,3
LIHCH025A20B	20x0.25 (0,15)	8,70	117,7	LIHCH03520B	20x0.35	9,90	150,7
LIHCH05002B	2x0.50	5,10	35,6	LIHCH07502B	2x0.75	5,70	44,7
LIHCH05003B	3x0.50	5,40	43,6	LIHCH07503B	3x0.75	6,00	55,6
LIHCH05004B	4x0.50	5,90	53,6	LIHCH07504B	4x0.75	6,60	68,6
LIHCH05005B	5x0.50	6,40	64,2	LIHCH07505B	5x0.75	7,20	82,5
LIHCH05006B	6x0.50	7,00	75,1	LIHCH07506B	6x0.75	7,90	96,9
LIHCH05007B	7x0.50	7,00	81,6	LIHCH07507B	7x0.75	7,90	105,9
LIHCH05008B	8x0.50	7,60	91,6	LIHCH07508B	8x0.75	8,60	120,7
LIHCH05010B	10x0.50	8,90	116,0	LIHCH07510B	10x0.75	10,10	152,1
LIHCH05012B	12x0.50	9,20	131,0	LIHCH07512B	12x0.75	10,40	172,9
LIHCH05014B	14x0.50	9,70	149,5				
LIHCH05016B	16x0.50	10,30	167,1				
LIHCH05018B	18x0.50	10,80	184,9				
LIHCH05020B	20x0.50	11,40	204,7				
LIHCH10002B	2x1.00	6,10	51,7	LIHCH15002B	2x1.50	7,30	73,7
LIHCH10003B	3x1.00	6,60	66,4	LIHCH15003B	3x1.50	7,80	95,8
LIHCH10004B	4x1.00	7,10	82,3	LIHCH15004B	4x1.50	8,50	119,7
LIHCH10005B	5x1.00	7,80	99,2	LIHCH15005B	5x1.50	9,40	144,2
LIHCH10006B	6x1.00	8,60	116,6	LIHCH15006B	6x1.50	10,30	170,8
LIHCH10007B	7x1.00	8,60	127,9	LIHCH15007B	7x1.50	10,30	188,5
LIHCH10008B	8x1.00	9,30	144,7	LIHCH15008B	8x1.50	11,30	216,1
LIHCH10010B	10x1.00	11,00	183,1	LIHCH15010B	10x1.50	13,30	273,5
LIHCH10012B	12x1.00	11,40	210,5	LIHCH15012B	12x1.50	13,80	313,8

Application

These shielded cables are used for flexible use with free movements without tensile stress or forced movements, in environments dry, not suitable for outdoor installations. Wherever the construction requirements call for a minimum outer diameter, the LIH cables are suitable for electronic, computer, measurement and control sectors. Insulation and sheath made in special polymer (LSZH), that does not emit halogen gases during combustion. Suitable for installation in public buildings (hospitals, theatres, ecc.). The high coverage of the shielding made in tinned copper grants interference-free transmission of all signals and impulses. A disturbance-free control cable is ideal for all above mentioned application.

Electronic cables shielded, pairs



Marking

LIHCHP10004B - PROSPECTA LIHCH TP 4x2x1,00 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Thermoplastic Halogen-free compound T17		(Approx.)		
Identification	Colored	mm ²	Nr / Ø mm	mm	mm
Cabling	Conductors twisted, pairs cabled in concentric layers	0,14	18 x 0.10	1,00	0,25
		0,25	8 x 0.20	1,20	0,28
Central filler	(where applicable) flexible synthetic rope	0,25	14 x 0.15	1,20	0,27
Taping	Polyester foil	0,35	11 x 0.20	1,40	0,31
Shield	Tinned Copper, Braid	0,50	16 x 0.20	1,65	0,37
Jacket	Thermoplastic Halogen-free compound M1	0,75	24 x 0.20	1,90	0,37
Color	Grey RAL 7001	1,00	30 x 0.20	2,10	0,43
		1,50	30 x 0.25	2,60	0,51

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	Section	Inner Conductor Resistance
Peak Operating Voltage	Section	0,14	Volt
		0,25 ± 1,50	Volt
Test Voltage	Section	0,14	Volt (Ac)
		0,25 ± 1,50	Volt (Ac)
Insulation Resistance	MOhm x km	> 200	0,35
Temperature Range	Fixed Installation	-20 °C / + 70 °C	0,50
	Mobile Installation	- 5 °C / + 50 °C	0,75
Min. Bending Radius	Fixed Installation	10 x Diameter	1,00
	Mobile Installation	20 x Diameter	1,50

Standards

Inner Conductor
Insulation
Identification
Jacket
Halogen Free
Fire behaviour
Low smoke emission
Corrosive gases

International / European

EN 60228 Cl. 5
EN 50363-7
EN 50363-8
IEC 60754.1; EN 50267-2-1
IEC 60332.3; EN 60332-3
EN 61034.1-2; EN50268.1-2
IEC 60754-2; EN 50267-2-2

German

VDE 0295 Cl. 5
VDE 0207-363-7
DIN 47100
VDE 0207-363-8; VDE 0207-24 (HM2); VDE 0250-15 (HM5)
VDE 0482-267-2-1
VDE 0482-332-3; VDE 0482-266-2
VDE 0482-268.1-2
VDE 0482-267-2-2

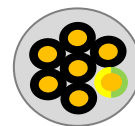
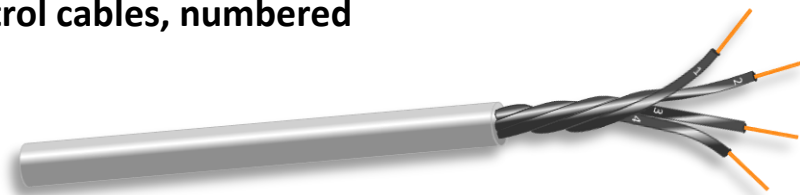
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
LIHCHP01402B	2x2x0.14	5,20	27,6	LIHCHP02502B	2x2x0.25	6,00	34,8
LIHCHP01403B	3x2x0.14	5,50	32,5	LIHCHP02503B	3x2x0.25	6,40	41,4
LIHCHP01404B	4x2x0.14	6,00	37,2	LIHCHP02504B	4x2x0.25	7,00	49,1
LIHCHP01405B	5x2x0.14	6,60	43,6	LIHCHP02505B	5x2x0.25	7,70	56,6
LIHCHP01406B	6x2x0.14	7,20	50,4	LIHCHP02506B	6x2x0.25	8,40	65,7
LIHCHP025A02B	2x2x0.25 (0,15)	6,00	35,2	LIHCHP03502B	2x2x0.35	6,80	42,9
LIHCHP025A03B	3x2x0.25 (0,15)	6,40	42,0	LIHCHP03503B	3x2x0.35	7,30	51,4
LIHCHP025A04B	4x2x0.25 (0,15)	7,00	49,8	LIHCHP03504B	4x2x0.35	7,90	61,4
LIHCHP025A05B	5x2x0.25 (0,15)	7,70	57,5	LIHCHP03505B	5x2x0.35	8,70	72,6
LIHCHP025A06B	6x2x0.25 (0,15)	8,40	66,8	LIHCHP03506B	6x2x0.35	9,60	83,6
LIHCHP05002B	2x2x0.50	7,80	55,3	LIHCHP07502B	2x2x0.75	8,80	68,3
LIHCHP05003B	3x2x0.50	8,30	65,4	LIHCHP07503B	3x2x0.75	9,40	82,3
LIHCHP05004B	4x2x0.50	9,10	78,6	LIHCHP07504B	4x2x0.75	10,30	100,0
LIHCHP05005B	5x2x0.50	10,10	94,3	LIHCHP07505B	5x2x0.75	11,40	120,1
LIHCHP05006B	6x2x0.50	11,00	109,3	LIHCHP07506B	6x2x0.75	12,50	141,7
LIHCHP10002B	2x2x1.00	9,60	79,1	LIHCHP15002B	2x2x1.50	11,50	112,0
LIHCHP10003B	3x2x1.00	10,30	97,6	LIHCHP15003B	3x2x1.50	12,40	139,9
LIHCHP10004B	4x2x1.00	11,20	119,1	LIHCHP15004B	4x2x1.50	13,60	170,1

Application

Flexible use with medium mechanical stresses and free movements, in dry, moist and wet environments, but not suitable for open air. These cables are suitable for measuring and control, especially in such areas as tool machine industries, conveyor belts, production lines, in machinery production, in air conditioning and in steel production. For version JZ the earth wire is located in the outer layer. The insulation and the sheath are made in special polymer (LSZH), that does not emit halogen gases during combustion.

Flexible control cables, numbered



Marking

HSLHJZ05004B - PROSPECTA HSLH-JZ 4G0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Thermoplastic Halogen-free compound TI7		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	1,65	0,37
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	1,90	0,37
Jacket	Thermoplastic Halogen-free compound M1	1,00	30 x 0.20	2,10	0,43
Color	Grey RAL 7001	1,50	30 x 0.25	2,40	0,41
		2,50	50 x 0.25	3,00	0,47
		4,00	50 x 0.30	3,60	0,54
		6,00	75 x 0.30	4,20	0,57

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage U _o /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	2.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
				6,00

Standards

Inner Conductor
Insulation
Identification
Jacket
Halogen Free
Fire behaviour
Low smoke emission
Corrosive gases

International / European

EN 60228 Cl. 5
EN 50363-7
EN 50363-8
IEC 60754.1; EN 50267-2-1
IEC 60332.3; EN 60332-3
EN 61034.1-2; EN50268.1-2
IEC 60754-2; EN 50267-2-2

German

VDE 0295 Cl. 5
VDE 0207-363-7
VDE 0293
VDE 0207-363-8; VDE 0207-24 (HM2); VDE 0250-15 (HM5)
VDE 0482-267-2-1
VDE 0482-332-3; VDE 0482-266-2
VDE 0482-268.1-2
VDE 0482-267-2-2

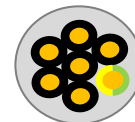
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
HSLHOZ07502B	2x0.75	5,30	43,3	HSLHOZ10002B	2x1.00	5,60	49,7
HSLHJZ07503B	3G0.75	5,70	52,4	HSLHJZ10003B	3G1.00	6,00	60,8
HSLHJZ07504B	4G0.75	6,20	63,7	HSLHJZ10004B	4G1.00	6,60	74,6
HSLHJZ07505B	5G0.75	6,80	76,3	HSLHJZ10005B	5G1.00	7,30	89,9
HSLHJZ07507B	7G0.75	7,50	98,3	HSLHJZ10007B	7G1.00	8,00	117,0
HSLHJZ07512B	12G0.75	10,20	167,9	HSLHJZ10012B	12G1.00	10,80	197,6
HSLHJZ07518B	18G0.75	12,10	239,0	HSLHJZ10018B	18G1.00	12,90	284,2
HSLHJZ07525B	25G0.75	14,30	326,3	HSLHJZ10025B	25G1.00	15,40	390,5
				HSLHJZ10034B	34G1.00	17,80	525,9
				HSLHJZ10037B	37G1.00	17,80	559,5
HSLHOZ15002B	2x1.50	6,40	68,3	HSLHOZ25002B	2x2.50	7,80	104,2
HSLHJZ15003B	3G1.50	6,90	84,7	HSLHJZ25003B	3G2.50	8,40	130,3
HSLHJZ15004B	4G1.50	7,50	104,5	HSLHJZ25004B	4G2.50	9,20	161,6
HSLHJZ15005B	5G1.50	8,30	126,3	HSLHJZ25005B	5G2.50	10,20	196,0
HSLHJZ15007B	7G1.50	9,20	165,3	HSLHJZ25007B	7G2.50	11,20	258,1
HSLHJZ15012B	12G1.50	12,30	277,3	HSLHJZ25008B	8G2.50	12,20	291,3
HSLHJZ15018B	18G1.50	14,70	400,9	HSLHJZ25012B	12G2.50	15,10	433,1
HSLHJZ15025B	25G1.50	17,50	552,1	HSLHJZ25018B	18G2.50	18,00	628,2
				HSLHJZ25025B	25G2.50	21,50	866,1
HSLHJZ40003B	3G4.00	10,00	190,2	HSLHJZ60003B	3G4.00	11,90	282,8
HSLHJZ40004B	4G4.00	11,00	236,9	HSLHJZ60004B	4G4.00	13,10	353,0
HSLHJZ40005B	5G4.00	12,30	288,5	HSLHJZ60005B	5G4.00	14,60	430,1
HSLHJZ40007B	7G4.00	13,50	381,2	HSLHJZ60007B	7G4.00	16,10	568,9

Application

Flexible use with medium mechanical stresses and free movements, in dry, moist and wet environments, but not suitable for open air. These cables are suitable for measuring and control, especially in such areas as tool machine industries, conveyor belts, production lines, in machinery production, in air conditioning and in steel production. For version JZ the earth wire is located in the outer layer. The insulation and the sheath are made in special polymer (LSZH), that does not emit halogen gases during combustion.

Flexible control cables, numbered, 0,6/1 Kv



Marking

HSLHJZHV07503B - PROSPECTA HSLH-JZ 0.6/1 kv 3G0,75 600/1000 V (*) CE (Metering) mt

Color Marking

Yellow

* = Lot of production

Construction

Inner Conductor	Bare Copper, Stranded	Section	Construction	Diameter	Thickness
Insulation	Thermoplastic Halogen-free compound TI7		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	2,00	0,55
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	2,40	0,62
Jacket	Thermoplastic Halogen-free compound M1	1,00	30 x 0.20	2,50	0,63
Color	Grey RAL 7001	1,50	30 x 0.25	3,10	0,76
		2,50	50 x 0.25	3,60	0,77
		4,00	50 x 0.30	4,10	0,79
		6,00	75 x 0.30	4,60	0,77

Technical Data

Peak Operating Voltage (Not for power purposes)	Volt	250	Section	Inner Conductor Resistance
Operating Voltage U _o /U	Volt	600/1000	mm ²	Ohm / km
Test Voltage	Volt (Ac)	6.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Halogen Free
Fire behaviour
Low smoke emission
Corrosive gases

International / European

EN 60228 Cl. 5
EN 50363-7
EN 50363-8
IEC 60754.1; EN 50267-2-1
IEC 60332.3; EN 60332-3
EN 61034.1-2; EN50268.1-2
IEC 60754-2; EN 50267-2-2

German

VDE 0295 Cl. 5
VDE 0207-363-7
VDE 0293
VDE 0207-363-8; VDE 0207-24 (HM2); VDE 0250-15 (HM5)
VDE 0482-267-2-1
VDE 0482-332-3; VDE 0482-266-2
VDE 0482-268.1-2
VDE 0482-267-2-2

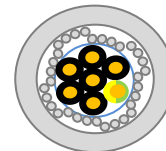
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
HSLHOZHV05002B	2x0.50	6,30	54,7	HSLHOZHV07502B	2x0.75	6,60	62,2
HSLHJZHV05003B	3G0.50	6,70	63,8	HSLHJZHV07503B	3G0.75	7,00	74,4
HSLHJZHV05004B	4G0.50	7,30	75,6	HSLHJZHV07504B	4G0.75	7,70	90,1
HSLHJZHV05005B	5G0.50	8,00	88,9	HSLHJZHV07505B	5G0.75	8,50	107,8
HSLHJZHV05007B	7G0.50	8,70	111,1	HSLHJZHV07507B	7G0.75	9,30	138,8
HSLHJZHV05012B	12G0.50	11,50	184,9	HSLHJZHV07512B	12G0.75	12,30	224,5
HSLHJZHV05018B	18G0.50	13,70	261,3	HSLHJZHV07518B	18G0.75	14,60	319,0
HSLHJZHV05025B	25G0.50	16,20	357,3	HSLHJZHV07525B	25G0.75	17,30	435,4
HSLHJZHV05034B	34G0.50	18,70	477,6	HSLHJZHV07534B	34G0.75	20,00	582,7
HSLHOZHV10002B	2x1.00	7,00	73,2	HSLHOZHV15002B	2x1.50	8,20	101,8
HSLHJZHV10003B	3G1.00	7,30	84,8	HSLHJZHV15003B	3G1.50	8,80	123,8
HSLHJZHV10004B	4G1.00	8,00	103,1	HSLHJZHV15004B	4G1.50	9,60	151,3
HSLHJZHV10005B	5G1.00	8,80	123,8	HSLHJZHV15005B	5G1.50	10,60	181,5
HSLHJZHV10007B	7G1.00	9,60	159,9	HSLHJZHV15007B	7G1.50	11,70	235,6
HSLHJZHV10012B	12G1.00	13,10	272,9	HSLHJZHV15010B	10G1.50	15,40	353,9
HSLHJZHV10018B	18G1.00	15,50	385,5	HSLHJZHV15012B	12G1.50	15,90	401,6
HSLHJZHV10025B	25G1.00	18,30	522,4	HSLHJZHV15018B	18G1.50	18,80	569,7
HSLHJZHV10034B	34G1.00	21,00	695,3	HSLHJZHV15025B	25G1.50	22,20	774,6
HSLHOZHV25002B	2x2.50	9,60	146,5	HSLHJZHV40003B	3G4.00	11,90	243,9
HSLHJZHV25003B	3G2.50	10,30	179,7	HSLHJZHV40004B	4G4.00	13,10	299,5
HSLHJZHV25004B	4G2.50	11,30	220,6	HSLHJZHV40005B	5G4.00	14,50	361,0
HSLHJZHV25005B	5G2.50	12,40	265,8	HSLHJZHV40007B	7G4.00	15,90	470,4
HSLHJZHV25007B	7G2.50	13,70	346,1	HSLHJZHV40012B	12G4.00	21,90	820,8
HSLHJZHV25012B	12G2.50	18,60	588,7	HSLHJZHV60003B	3G6.00	13,30	324,3
HSLHJZHV25014B	14G2.50	19,60	670,0	HSLHJZHV60004B	4G6.00	14,60	401,8
HSLHJZHV25018B	18G2.50	22,00	842,2	HSLHJZHV60005B	5G6.00	16,20	487,3
HSLHJZHV25021B	21G2.50	23,30	964,9	HSLHJZHV60007B	7G6.00	17,80	639,4
HSLHJZHV25025B	25G2.50	26,10	1.151,8				

Application

Flexible use with medium mechanical stresses and free movements, in dry, moist and wet environments, but not suitable for open air. These cables are suitable for measuring and control, especially in such areas as tool machine industries, conveyor belts, production lines, in machinery production, in air conditioning and in steel production. For version JZ the earth wire is located in the outer layer. The insulation and the sheath are made in special polymer (LSZH), that does not emit halogen gases during combustion. The high coverage of the shielding made in tinned copper grants interference-free transmission of all signals and impulses. A disturbance-free control cable is ideal for all above mentioned application.

Flexible control cables, numbered - Cu-shielded



Marking

HSLCHJZ05004B - PROSPECTA HSLCH-JZ 4G0,50 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

		Section	Construction	Diameter	Thickness
Inner Conductor	Bare Copper, Stranded				
Insulation	Thermoplastic Halogen-free compound T17		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	1,65	0,37
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	1,90	0,37
Central filler	(where applicable) flexible synthetic rope	1,00	30 x 0.20	2,10	0,43
Taping	Polyester foil	1,50	30 x 0.25	2,40	0,41
Shield	Tinned Copper, Braid	2,50	50 x 0.25	3,00	0,47
Jacket	Thermoplastic Halogen-free compound M1	4,00	50 x 0.30	3,60	0,54
Color	Grey RAL 7001	6,00	75 x 0.30	4,20	0,57

Technical Data

			Section	Inner Conductor Resistance
Peak Operating Voltage (Not for power purposes)	Volt	250		
Operating Voltage U ₀ /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	2.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor
Insulation
Identification
Jacket
Halogen Free
Fire behaviour
Low smoke emission
Corrosive gases

International / European

EN 60228 Cl. 5
EN 50363-7
EN 50363-8
IEC 60754.1; EN 50267-2-1
IEC 60332.3; EN 60332-3
EN 61034.1-2; EN50268.1-2
IEC 60754-2; EN 50267-2-2

German

VDE 0295 Cl. 5
VDE 0207-363-7
VDE 0293
VDE 0207-363-8; VDE 0207-24 (HM2); VDE 0250-15 (HM5)
VDE 0482-267-2-1
VDE 0482-332-3; VDE 0482-266-2
VDE 0482-268.1-2
VDE 0482-267-2-2

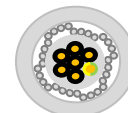
CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
HSLCHOZ07502B	2x0.75	5,70	44,7	HSLCHOZ10002B	2x1.00	6,10	51,7
HSLCHJZ07503B	3G0.75	6,00	55,6	HSLCHJZ10003B	3G1.00	6,60	66,4
HSLCHJZ07504B	4G0.75	6,60	68,6	HSLCHJZ10004B	4G1.00	7,10	82,3
HSLCHJZ07505B	5G0.75	7,20	82,5	HSLCHJZ10005B	5G1.00	7,80	99,2
HSLCHJZ07507B	7G0.75	7,90	105,9	HSLCHJZ10007B	7G1.00	8,60	127,9
HSLCHJZ07512B	12G0.75	10,40	172,9	HSLCHJZ10012B	12G1.00	11,40	210,5
HSLCHOZ15002B	2x1.50	6,80	67,3	HSLCHOZ25002B	2x2.50	8,20	98,8
HSLCHJZ15003B	3G1.50	7,30	87,9	HSLCHJZ25003B	3G2.50	8,80	130,8
HSLCHJZ15004B	4G1.50	8,00	109,8	HSLCHJZ25004B	4G2.50	9,70	165,5
HSLCHJZ15005B	5G1.50	8,80	133,2	HSLCHJZ25005B	5G2.50	10,70	200,8
HSLCHJZ15007B	7G1.50	9,60	174,3	HSLCHJZ25007B	7G2.50	11,70	265,1
HSLCHJZ15012B	12G1.50	12,80	289,4	HSLCHJZ25012B	12G2.50	15,70	444,9

Application

Fixed or flexible installations with medium mechanical stresses and free movements, in dry, moist and wet environments, but not suitable for open air. This cables are suitable for measuring and control, especially in such as tool machine industries, conveyor belts, production lines, in machine production, in conditioning air and in steel production. For version JZ the earth wire is located in the outer layer. Insulation and sheath are made in special polymer (LSZH), that does not emit halogen gases during combustion. The high coverage of the shielding made in tinned copper grants interference-free transmission of all signals and impulses. A disturbance-free control cable is ideal for all above mentioned application.

Flexible control cables, numbered - Cu-shielded



Marking

HSLHCHJZ07504B - PROSPECTA HSLH-CH-JZ 4G0,75 300/500 V (*) CE (Metering) mt

Color Marking

Blue

* = Lot of production

Construction

		Section	Construction	Diameter	Thickness
Inner Conductor	Bare Copper, Stranded				
Insulation	Thermoplastic Halogen-free compound T17		(Approx.)		
Identification JZ	1 Core G/Y + Black cores with numbers	mm ²	Nr / Ø mm	mm	mm
Identification OZ	All black cores with numbers	0,50	16 x 0.20	1,65	0,37
Cabling	Conductors cabled in concentric layers	0,75	24 x 0.20	1,90	0,37
Inner Jacket	Thermoplastic Halogen-free compound M1	1,00	30 x 0.20	2,10	0,43
Color	Grey RAL 7001	1,50	30 x 0.25	2,40	0,41
Shield	Tinned Copper, Braid	2,50	50 x 0.25	3,00	0,47
Outer Jacket	Thermoplastic Halogen-free compound M1	4,00	50 x 0.30	3,60	0,54
Color	Grey RAL 7001	6,00	75 x 0.30	4,20	0,57

Technical Data

			Section	Inner Conductor Resistance
Peak Operating Voltage (Not for power purposes)	Volt	250		
Operating Voltage U ₀ /U	Volt	300/500	mm ²	Ohm / km
Test Voltage	Volt (Ac)	4.000	0,50	39,00
Insulation Resistance	MOhm x km	> 20	0,75	26,00
Temperature Range	Fixed Installation	- 15 °C / + 70 °C	1,00	19,50
	Mobile Installation	- 5 °C / + 70 °C	1,50	13,30
Min. Bending Radius	Fixed Installation	10 x Diameter	2,50	7,98
	Mobile Installation	20 x Diameter	4,00	4,95
			6,00	3,30

Standards

Inner Conductor	EN 60228 Cl. 5
Insulation	EN 50363-7
Identification	
Inner Jacket	EN 50363-8
Outer Jacket	EN 50363-8
Halogen Free	IEC 60754.1; EN 50267-2-1
Fire behaviour	IEC 60332.3; EN 60332-3
Low smoke emission	EN 61034.1-2; EN50268.1-2
Corrosive gases	IEC 60754-2; EN 50267-2-2

International / European

German

VDE 0295 Cl. 5
VDE 0207-363-7
VDE 0293
VDE 0207-363-8; VDE 0207-24 (HM2); VDE 0250-15 (HM5)
VDE 0207-363-8; VDE 0207-24 (HM2); VDE 0250-15 (HM5)
VDE 0482-267-2-1
VDE 0482-332-3; VDE 0482-266-2
VDE 0482-268.1-2
VDE 0482-267-2-2

CE = The product according to the EC Low-Voltage Directive 2006/95/EG.

Item	Cores Section mm ²	Diameter mm	Weight kg / km	Item	Cores Section mm ²	Diameter mm	Weight kg / km
HSLHCHOZ07502B	2x0.75	7,40	81,6	HSLHCHOZ10002B	2x1.00	7,70	91,2
HSLHCHJZ07503B	3G0.75	7,80	94,6	HSLHCHJZ10003B	3G1.00	8,20	105,1
HSLHCHJZ07504B	4G0.75	8,40	109,5	HSLHCHJZ10004B	4G1.00	8,80	124,4
HSLHCHJZ07505B	5G0.75	9,10	127,9	HSLHCHJZ10005B	5G1.00	9,60	146,8
HSLHCHJZ07507B	7G0.75	9,90	157,5	HSLHCHJZ10007B	7G1.00	10,40	179,9
HSLHCHJZ07512B	12G0.75	12,50	244,4	HSLHCHJZ10012B	12G1.00	13,20	278,4
HSLHCHOZ15002B	2x1.50	8,40	112,0	HSLHCHOZ25002B	2x2.50	9,90	159,6
HSLHCHJZ15003B	3G1.50	9,00	132,2	HSLHCHJZ25003B	3G2.50	10,60	191,0
HSLHCHJZ15004B	4G1.50	9,70	158,7	HSLHCHJZ25004B	4G2.50	11,50	230,9
HSLHCHJZ15005B	5G1.50	10,60	187,9	HSLHCHJZ25005B	5G2.50	12,70	276,9
HSLHCHJZ15007B	7G1.50	11,60	237,2	HSLHCHJZ25007B	7G2.50	13,80	351,6
HSLHCHJZ15012B	12G1.50	14,90	375,6	HSLHCHJZ25012B	12G2.50	17,70	553,2
HSLHCHJZ40004B	4G4.00	13,50	322,0	HSLHCHJZ60004B	4G6.00	15,50	450,4
HSLHCHJZ40005B	5G4.00	14,90	388,8	HSLHCHJZ60005B	5G6.00	17,10	541,7