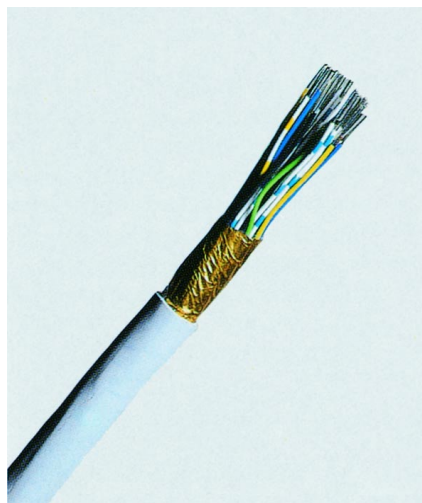


F-vYAY

Installation Cable for Telecommunication

according to ÖVE - K35 / 1997



Construction

Solid tinned copper conductor (diameter 0.5 mm), core insulation of PVC, cores are stranded to pairs and the pairs are stranded in concentric layers, one layer of plastic foil, copper drain wire (diameter 0.5 mm), static screen of aluminium foil, PVC outer sheath, grey.

Application

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

Temperature range

In motion - 5°C till + 50°C

For fixed installation - 30°C till + 70°C

Electrical properties at 20°C

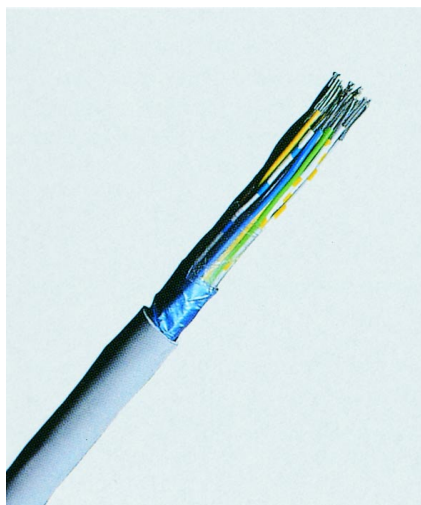
Conductor loop resistance	max.	196,6 Ohm/km
Insulation resistance	min	500 MOhm x km
Operating capacity	max.	100 nF/km
Transversal crosstalk coupling		
for 100 m at 800 Hz	K9 = 150 pF (100 %), 100 pF (80 %)	
2paired cables	K1 = 500 pF (100 %)	

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight ca. kg / km
F-vYAY 200 V_{eff} / 300 V -					
2 x 2 x 0,5 paired	691,85	10	0,8	5	25
3 x 2 x 0,5	774,08	14	0,8	6	35
5 x 2 x 0,5	1.085,07	22	0,8	7	45
6 x 2 x 0,5	1.368,58	25	0,8	7	55
10 x 2 x 0,5	1.657,07	41	0,8	8	75
12 x 2 x 0,5	1.846,57	49	0,8	9	100
15 x 2 x 0,5	2.131,47	61	0,8	9	105
20 x 2 x 0,5	2.809,85	80	0,8	10	135
25 x 2 x 0,5	3.561,74	100	0,8	12	170
30 x 2 x 0,5	3.990,22	120	0,8	13	190
40 x 2 x 0,5	5.097,32	159	1,0	14	250
50 x 2 x 0,5	6.001,88	198	1,0	15	310
60 x 2 x 0,5	7.115,99	237	1,0	16	365
100 x 2 x 0,5	11.570,41	396	1,0	20	580

F-YAY

Installation Cable for Telecommunication

according to ÖVE - K35 / 1997



Construction

Solid bare copper conductors (diameter 0.6 mm or 0.8 mm), core insulation of PVC, cores are stranded to pairs and the pairs are stranded in concentric layers, one layer of plastic foil, copper drain wire (diameter 0.5 mm), static screen of aluminium foil, PVC outer sheath, grey.

Application

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

Temperature range

In motion - 5°C till + 50°C

For fixed installation - 30°C till + 70°C

Electrical properties at 20°C

		0,6	0,8
Conductor loop resistance	max.	135,8 Ohm/km	73,2 Ohm/km
Insulation resistance	min.	500 MOhm x km	500 MOhm x km
Operating capacity	max.	100 nF/km	100 nF/km
Transversal crosstalk coupling			
for 100 m at 800 Hz	K9	200 pF (100 %)	150 pF (80 %)
2paired cables	K1	500 pF (100 %)	

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight ca. kg / km
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F-YAY 200 V_{eff} / 300 V -

2 x 2 x 0,6 paired	714,44	13	1,0	6,0	35
3 x 2 x 0,6	841,88	19	1,0	7,0	45
5 x 2 x 0,6	1.179,07	30	1,0	8,0	60
6 x 2 x 0,6	1.361,57	36	1,0	8,5	70
10 x 2 x 0,6	1.892,61	59	1,0	10,5	100
12 x 2 x 0,6	2.083,69	72	1,0	11,0	130
15 x 2 x 0,6	2.453,81	87	1,0	11,5	135
20 x 2 x 0,6	3.110,14	115	1,2	12,5	170
25 x 2 x 0,6	3.951,01	140	1,2	15,0	225
30 x 2 x 0,6	4.560,95	172	1,2	15,5	250
40 x 2 x 0,6	5.741,47	228	1,2	17,0	325
50 x 2 x 0,6	7.096,57	285	1,4	19,0	400
60 x 2 x 0,6	8.288,19	342	1,4	20,5	465
100 x 2 x 0,6	14.106,09	568	1,6	25,0	760

F-YAY 200 V_{eff} / 300 V -

2 x 2 x 0,8 paired	1230,77	21	1,0	7,0	60
3 x 2 x 0,8	1371,60	32	1,0	8,5	80
5 x 2 x 0,8	1795,92	52	1,0	9,5	120
6 x 2 x 0,8	2059,97	62	1,0	10,5	140
10 x 2 x 0,8	3028,21	103	1,2	13,5	220
15 x 2 x 0,8	3951,02	153	1,2	15,0	290
20 x 2 x 0,8	5100,66	203	1,2	16,5	370
30 x 2 x 0,8	7422,95	304	1,4	20,0	550
40 x 2 x 0,8	10217,97	404	1,4	22,5	700
50 x 2 x 0,8	12775,78	505	1,6	25,5	880
100 x 2 x 0,8	25174,10	1008	1,8	33,2	1490

J-Y(ST)Y

Installation Cable for Telecommunication

according to DIN VDE 0815



Construction

Solid bare copper conductors (diameter 0.6 mm), core insulation of PVC, cores are stranded to pairs and the pairs are stranded in layers, one layer of plastic foil, static screen of plastic coated aluminium foil with drain wire, PVC outer sheath, grey.

Application

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

Temperature range

In motion - 5°C till + 50°C

For fixed installation - 30°C till + 70°C

Electrical properties at 20°C

		0,6	0,8
Conductor loop resistance	max.	130 Ohm/km	73,2 Ohm/km
Insulation resistance	min.	100 MOhm x km	100 MOhm x km
Operating capacity	max.	100 nF/km	100 nF/km
Capacitance coupling for 100 m	max.	300 pF	300 pF

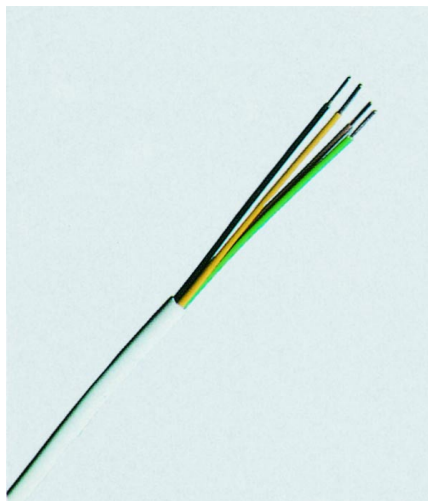
Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight ca. kg / km
J-Y(ST)Y 300 V					
2 x 2 x 0,6 *	476,93	13	1,0	5,5	40
3 x 2 x 0,6	686,77	19	1,0	6,5	50
4 x 2 x 0,6	814,54	24	1,0	7,0	60
5 x 2 x 0,6	1.024,51	30	1,0	7,5	70
6 x 2 x 0,6	1.144,39	36	1,0	7,5	80
10 x 2 x 0,6	1.519,48	59	1,0	9,0	110
12 x 2 x 0,6	1.800,44	72	1,0	9,5	130
16 x 2 x 0,6	2.245,64	93	1,0	10,5	160
20 x 2 x 0,6	2.736,20	116	1,0	11,5	190
30 x 2 x 0,6	3.900,97	172	1,2	13,5	280
40 x 2 x 0,6	5.034,38	228	1,2	15,0	350
50 x 2 x 0,6	6.188,34	285	1,2	17,0	430
60 x 2 x 0,6	7.229,83	342	1,2	18,0	500
100 x 2 x 0,6	11.481,20	568	1,4	23,5	820
1 x 2 x 0,8	566,75	11	1,0	5,7	41
2 x 2 x 0,8 *	633,47	21	1,0	7,0	60
3 x 2 x 0,8	934,66	31	1,0	8,5	80
4 x 2 x 0,8	1.087,42	41	1,0	9,0	100
5 x 2 x 0,8	1.483,28	52	1,0	9,5	120
6 x 2 x 0,8	1.679,05	62	1,0	10,5	140
10 x 2 x 0,8	2.185,66	103	1,0	13,5	220
12 x 2 x 0,8	2.818,03	123	1,0	14,0	250
16 x 2 x 0,8	3.457,40	164	1,2	15,5	310
20 x 2 x 0,8	3.701,82	203	1,2	16,5	370
30 x 2 x 0,8	5.705,37	304	1,2	20,0	550
40 x 2 x 0,8	7.359,84	404	1,4	22,5	700
50 x 2 x 0,8	9.106,44	505	1,4	25,5	880
60 x 2 x 0,8	10.672,37	606	1,6	27,0	1050
100 x 2 x 0,8	17.564,94	1008	1,8	36,0	1700

* star quad twisting

YYSCH
YR

PVC Insulated Telecommunication Cable

adapted to ÖVE - K50 / 1984 resp. according to factory standard



Construction

Solid bare copper conductors (diameter 0.6 mm), core insulation of PVC, cores laid up in parallel up to 4 cores or are stranded above 5 cores, PVC outer sheath.

YYSCH ivory or grey, YR white.

Application

For indoor installation in conduits, cable ducts or on the wall surface. This cable is suitable for the application in intercom communicators but not admissible in HV installations.

Temperature range

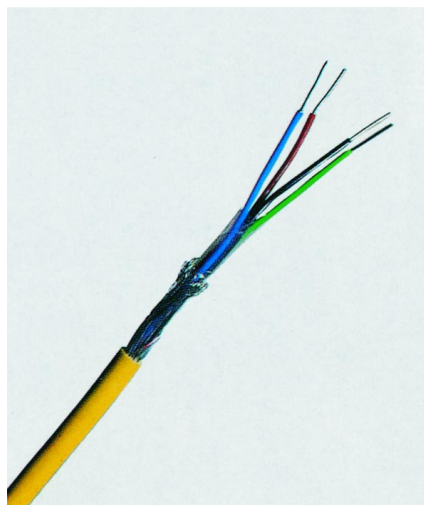
- 5°C till + 70°C

Number of cores and nominal diameter mm	Price EUR / km	Copper figure kg / km	Overall diameter ca. mm	Weight ca. kg / km
YYSCH 65V_{eff}				
2 x 0,6	176,13	5,6	3,0	15
3 x 0,6	212,18	8,4	3,2	18
4 x 0,6	269,86	11,2	3,4	21
5 x 0,6	419,21	14,0	3,7	26
6 x 0,6	498,52	16,8	4,0	31
10 x 0,6	935,24	28,0	6,0	53
16 x 0,6	1.312,22	45,0	6,8	75
26 x 0,6	2.141,37	73,0	8,2	110
YR 200 V				
2 x 0,8	402,30	10	4,8	35
3 x 0,8	487,10	15	5,0	40
4 x 0,8	589,30	20	5,5	50
5 x 0,8	777,50	25	5,9	60
6 x 0,8	829,40	30	6,4	70
8 x 0,8	1.029,90	40	6,9	85
10 x 0,8	1.280,60	50	8,1	100

F-vYDvY

Telephone Modem Cable - BTX Cable

adapted to ÖVE - K50 / 1984



Construction

Solid tinned copper conductors, core insulation of special PVC, the four cores (red, green, black, blue) are stranded, one layer of plastic foil, twisted braid of tinned copper wires (diameter 0.1 mm), a special PVC outer sheath, yellow.

Application

For fixed installations in all types of plants with interference and radiation hazard of the audio and communication engineering. It is used as a data connection cable as well as a modem cable.

Temperature range

- 5°C till + 70°C

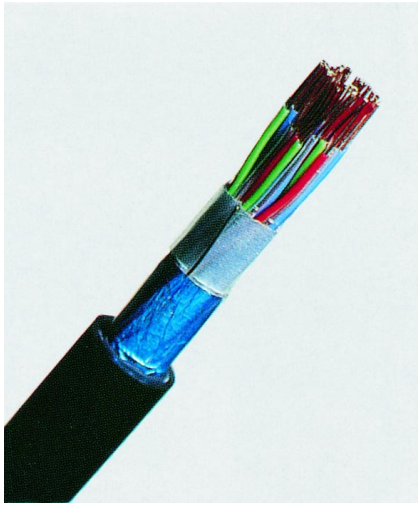
Electrical properties at 20°C

Conductor resistance	max.	98 Ohm / km
Screen resistance	max.	70 Ohm / km
Capacity	max.	120 nF/km
Capacitance coupling	max.	500 pF / 100 m
Impedance at 0,1 - 2 MHz	ca.	850 Ohm

Number of cores and nominal diameter mm	Price EUR / km	Copper figure kg / km	Overall diameter ca. mm	Weight ca. kg / km
F-vYDvY 300 V _{eff} 4 x 0,5 / 1	590,21	20	3,5	30

F-2YA2Y

Plastic Insulated Telecommunication Cable for Local Networks



Construction

Solid bare copper conductors (diameter 0.6 mm or 0.8 mm), core insulation of polyethylene, cores are stranded to star quads and the quads are stranded in concentric layers, one layer of plastic foil, tinned copper drain wire (diameter 0.5 mm), static screen of aluminium foil, polyethylene outer sheath, black.

Application

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.

Temperature range

- 20°C till + 70°C

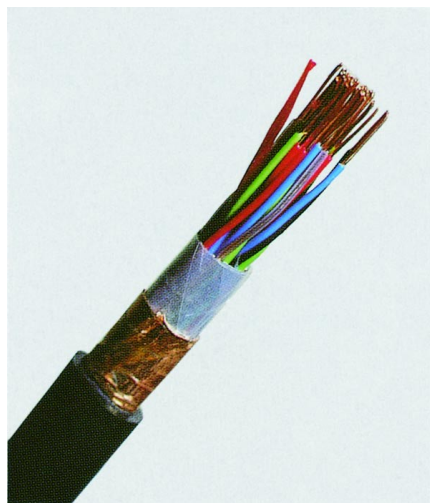
Electrical properties at 20°C

		0,6	0,8
Conductor loop resistance	max.	130 Ohm/km	73,2 Ohm/km
Insulation resistance	min.	10.000 MOhm x km	10.000 MOhm x km
Operating capacity	max.	55 nF/km	55 nF/km
Capacitance coupling for 300 m at 800 Hz			
Crosstalk coupling	K ₁ , K ₉ till K ₁₂	1500 pF (100 %)	800 pF (97 %)
Earth coupling	e ₁ , e ₂	1500 pF (100 %)	800 pF (97 %)

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight kg / km
F-2YA2Y 200 V_{eff} / 300 V					
2 x 2 x 0,6	967,17	13	1,8	8,0	50
6 x 2 x 0,6	1.816,92	36	1,8	10,5	95
10 x 2 x 0,6	2.481,27	59	1,8	12,0	135
20 x 2 x 0,6	3.690,49	115	1,8	15,5	220
30 x 2 x 0,6	4.860,57	172	1,8	17,0	300
40 x 2 x 0,6	6.129,53	228	1,8	18,0	370
50 x 2 x 0,6	7.168,80	285	1,8	20,5	450
60 x 2 x 0,6	8.294,59	342	1,8	21,5	520
80 x 2 x 0,6	10.646,08	455	2,0	23,0	660
100 x 2 x 0,6	12.542,31	568	2,0	27,0	850
2 x 2 x 0,8	1.635,64	22	1,8	9,0	70
6 x 2 x 0,8	2.625,47	62	1,8	12,0	135
10 x 2 x 0,8	3.595,73	103	1,8	14,0	200
20 x 2 x 0,8	5.768,00	203	1,8	19,0	350
30 x 2 x 0,8	6.812,42	304	1,8	22,0	490
40 x 2 x 0,8	8.693,20	404	1,8	23,0	600
50 x 2 x 0,8	10.506,00	504	2,0	26,0	720
60 x 2 x 0,8	12.160,18	606	2,0	27,0	850
80 x 2 x 0,8	15.647,76	807	2,0	30,0	1100
100 x 2 x 0,8	18.768,66	1008	2,0	33,0	1400

F-2YC2Y

Plastic Insulated Telecommunication Cable for Local Networks



Construction

Solid bare copper conductors (diameter 0.6 mm or 0.8 mm), core insulation of polyethylene, cores are stranded to star quads and the quads are stranded in concentric layers, one layer of plastic foil, tinned copper drain wire (diameter 0.5 mm), static screen of copper tape, polyethylene outer sheath, black.

Application

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.

Temperature range

- 20°C till + 70°C

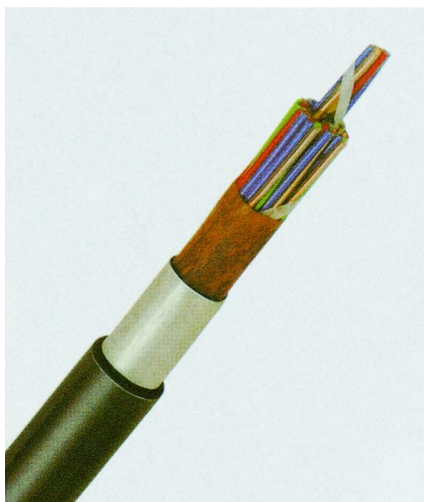
Electrical properties at 20°C

		0,6	0,8
Conductor loop resistance	max.	130 Ohm/km	73,2 Ohm/km
Insulation resistance	min.	10.000 MOhm x km	10.000 MOhm x km
Operating capacity	max.	55 nF/km	55 nF/km
Capacitance coupling			
for 300 m at 800 Hz			
Crosstalk coupling	K1 ,K9 till K12	1500 pF (100 %)	800 pF (97 %)
Earth coupling	e1, e2	1500 pF (100 %)	800 pF (97 %)

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight kg / km
F-2YC2Y 200 V_{eff} / 300 V -					
2 x 2 x 0,6	1.186,56	31,5	1,8	8,0	65
6 x 2 x 0,6	2.187,72	70,0	1,8	10,5	115
10 x 2 x 0,6	2.843,83	97,0	1,8	12,0	165
20 x 2 x 0,6	4.460,93	173,0	1,8	16,0	260
30 x 2 x 0,6	5.518,74	242,0	1,8	17,5	340
40 x 2 x 0,6	6.887,61	304,5	1,8	18,5	410
50 x 2 x 0,6	7.885,68	370,5	1,8	21,0	520
60 x 2 x 0,6	8.869,33	433,0	1,8	22,0	590
80 x 2 x 0,6	11.388,71	556,0	2,0	24,0	740
100 x 2 x 0,6	14.978,26	682,0	2,0	27,5	910
2 x 2 x 0,8	1.904,55	50,0	1,8	9,0	80
6 x 2 x 0,8	3.093,03	104,5	1,8	12,0	165
10 x 2 x 0,8	4.044,76	160,0	1,8	14,0	235
20 x 2 x 0,8	6.393,06	279,0	1,8	19,5	400
30 x 2 x 0,8	7.779,29	392,0	1,8	22,0	540
40 x 2 x 0,8	9.692,19	500,5	1,8	23,0	660
50 x 2 x 0,8	11.422,42	614,5	2,0	26,0	850
60 x 2 x 0,8	14.053,79	725,0	2,0	27,5	960
80 x 2 x 0,8	16.717,79	937,0	2,0	30,5	1200
100 x 2 x 0,8	19.958,63	1161,0	2,0	33,5	1460

F-2YJA2Y

Plastic Insulated Telecommunication Cable for Local Networks, transversely and longitudinally water-proof



Construction

Solid bare copper conductors (diameter 0.6 mm or 0.8 mm), core insulation of polyethylene, cores are stranded to star quads, core identification for a quad natural (black in a tracer quad), red, green, blue, the quads are stranded in concentric layers, the interstices of the cable are filled with jelly, one layer of plastic oil, screen of laminated aluminium tape, polyethylene outer sheath bonded to the aluminium tape (composite-layer sheath), black.

Application

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.

Temperature range

- 20°C till + 70°C

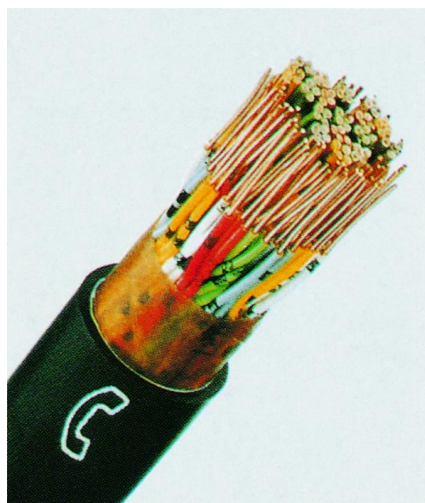
Electrical properties at 20°C

		0,6	0,8
Conductor loop resistance	max.	130 Ohm/km	73,2 Ohm/km
Insulation resistance	min.	5000 MOhm x km	5000 MOhm x km
Operating capacity at 800 Hz	max.	52 nF/km	52 nF/km

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight kg / km
F-2YJA2Y 200 V _{eff} / 300 V-					
6 x 2 x 0,6	1.912,71	34	1,8	12	130
10 x 2 x 0,6	2.732,59	57	1,8	14	185
20 x 2 x 0,6	3.929,45	113	1,8	18	320
30 x 2 x 0,6	5.056,27	170	1,8	20	420
40 x 2 x 0,6	6.125,41	226	1,8	21	520
50 x 2 x 0,6	7.270,77	283	1,8	24	650
60 x 2 x 0,6	8.413,04	334	1,8	25	740
80 x 2 x 0,6	10.670,80	453	2,0	29	960
100 x 2 x 0,6	13.035,68	566	2,0	32	1180
6 x 2 x 0,8	2.998,33	60	1,8	14	190
10 x 2 x 0,8	3.894,43	101	1,8	16	270
20 x 2 x 0,8	6.329,27	201	1,8	21	450
30 x 2 x 0,8	7.660,20	302	1,8	24	700
40 x 2 x 0,8	9.245,28	402	1,8	26	860
50 x 2 x 0,8	11.347,51	503	2,0	30	1100
60 x 2 x 0,8	13.404,42	604	2,0	31	1240

A-2Y(L)2Y St III Bd**Plastic Insulated Telecommunication Cable
for Local Networks**

according to DIN VDE 0816

**Construction**

Solid bare copper conductors (diameter 0.6 mm or 0.8 mm), core insulation of polyethylene, cores are stranded to star quads and the quads are stranded in bundles, one layer of plastic foil, static screen of plastic-laminated aluminium tape, polyethylene outer sheath, black.

Application

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.

Temperature range

- 20°C till + 70°C

Electrical properties at 20°C

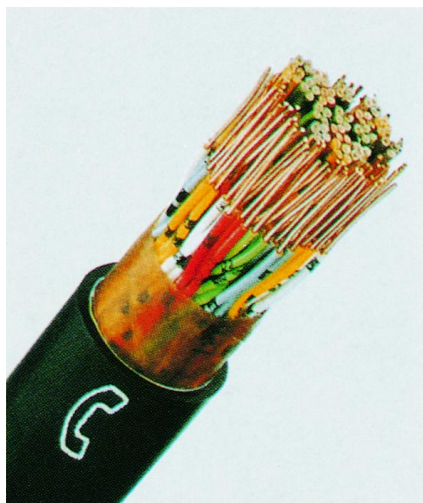
		0,6	0,8
Conductor loop resistance	max.	130 Ohm/km	73,2 Ohm/km
Insulation resistance	min.	5 GOhm x km	5 GOhm x km
Operating capacity at 800 Hz	max.	52 nF/km	55 nF/km

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight kg / km
A-2Y(L)2Y 225 V					
2 x 2 x 0,6	1.391,30	13	1,8	9	80
6 x 2 x 0,6	2.067,40	36	1,8	13	140
10 x 2 x 0,6	2.593,30	59	1,8	14	190
20 x 2 x 0,6	3.891,40	115	1,8	17	310
30 x 2 x 0,6	4.907,20	172	1,8	20	430
40 x 2 x 0,6	5.901,80	228	1,8	22	545
50 x 2 x 0,6	6.788,30	285	1,8	24	660
70 x 2 x 0,6	8.618,40	398	2,0	27	895
100 x 2 x 0,6	11.356,00	568	2,0	31	1225
150 x 2 x 0,6	15.716,20	852	2,2	37	1780
200 x 2 x 0,6	20.217,70	1135	2,2	42	2315
2 x 2 x 0,8	1.748,80	22	1,8	10	100
6 x 2 x 0,8	2.547,90	62	1,8	14	195
10 x 2 x 0,8	3.416,70	103	1,8	16	275
20 x 2 x 0,8	5.141,60	203	1,8	20	475
30 x 2 x 0,8	6.650,10	304	1,8	23	665
40 x 2 x 0,8	8.008,40	404	2,0	27	860
50 x 2 x 0,8	9.501,80	505	2,0	29	1050
70 x 2 x 0,8	12.074,10	706	2,0	33	1420
100 x 2 x 0,8	15.956,70	1008	2,2	39	1985
150 x 2 x 0,8	22.219,10	1512	2,6	47	2935
200 x 2 x 0,8	29.052,40	2015	2,6	53	3825

A-2YF(L)2Y St III Bd

Plastic Insulated Telecommunication Cable for Local Networks, transversely and longitudinally water-proof

according to DIN VDE 0816



Construction

Solid bare copper conductors (diameter 0.6 mm or 0.8 mm), core insulation of polyethylene, cores are stranded to star quads and the quads are stranded in bundles, the interstices of the cable are continuously filled with jelly, one layer of plastic foil, static screen of plastic-laminated aluminium tape, polyethylene outer sheath, black.

Application

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.

Temperature range

- 20°C till + 70°C

Electrical properties at 20°C

		0,6	0,8
Conductor loop resistance	max.	130 Ohm/km	73,2 Ohm/km
Insulation resistance	min.	1,5 GOhm x km	1,5 GOhm x km
Operating capacity at 800 Hz	max.	52 nF/km	55 nF/km

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight kg / km
A-2YF(L)2Y 225 V					
2 x 2 x 0,6	1.682,90	13	1,8	9	80
6 x 2 x 0,6	2.486,70	36	1,8	13	140
10 x 2 x 0,6	3.173,36	59	1,8	14	190
20 x 2 x 0,6	4.649,87	115	1,8	17	310
30 x 2 x 0,6	6.010,68	172	1,8	20	430
40 x 2 x 0,6	7.159,00	228	1,8	22	545
50 x 2 x 0,6	8.289,99	285	1,8	24	660
70 x 2 x 0,6	10.609,61	398	2,0	27	895
100 x 2 x 0,6	14.184,34	568	2,0	31	1225
150 x 2 x 0,6	20.725,90	852	2,2	37	1780
200 x 2 x 0,6	26.311,50	1135	2,2	42	2315
2 x 2 x 0,8	2.088,50	22	1,8	10	100
6 x 2 x 0,8	3.072,78	62	1,8	14	195
10 x 2 x 0,8	4.111,14	103	1,8	16	275
20 x 2 x 0,8	6.342,36	203	1,8	20	475
30 x 2 x 0,8	8.214,72	304	1,8	23	665
40 x 2 x 0,8	10.293,88	404	2,0	27	860
50 x 2 x 0,8	11.899,15	505	2,0	29	1050
70 x 2 x 0,8	15.417,83	706	2,0	33	1420
100 x 2 x 0,8	20.673,94	1008	2,2	39	1985
150 x 2 x 0,8	30.389,80	1512	2,6	47	2935
200 x 2 x 0,8	38.753,70	2015	2,6	53	3825
250 x 2 x 0,8	47.699,20	2520	2,6	59	4850