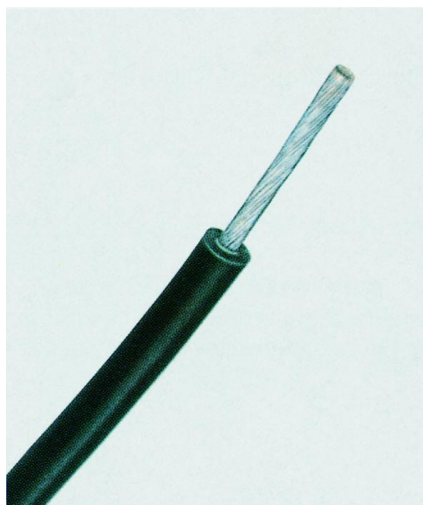


Silicone Insulated Wire

adapted to DIN VDE 0250-1 and -502

**Construction**

Solid or fine-stranded tinned copper conductor, insulation of silicone (2GI1).

Application

This wire is well suited for internal wiring in lamps, instruments, control panels and distributors for low mechanical stress particularly at high ambient temperatures.

Temperature range

In motion	- 25°C till	+ 180°C
For fixed installation	- 40°C till	+ 180°C
Short-time use		+ 250°C

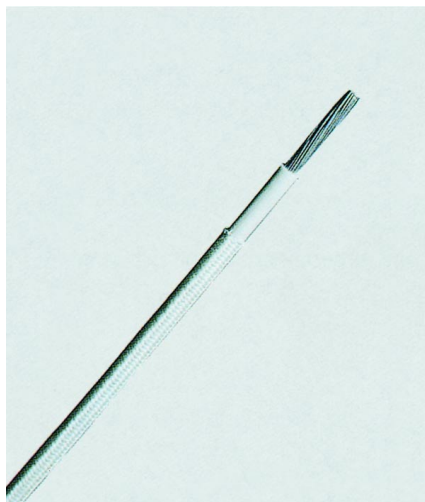
Nominal cross section mm ²	Colours	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
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SiA 300/500 V

0,5	bla/br/blu/sigrd	196,20	5,0	1 x 0,80	1,8	8
0,75	bla/br/blu/gy/gr/wh/sigrd	235,73	7,5	1 x 0,98	2,0	10
1	bla/br/blu/gy/wh/sigrd	267,42	10,0	1 x 1,13	2,2	13
1,5	bla/br/blu/gy/gr/wh/sigrd	343,58	15,0	1 x 1,38	2,6	20
2,5	bla/br/blu/gy/sigrd	506,71	25,0	1 x 1,78	3,2	32
4	bla/blu/gy	752,80	40,0	1 x 2,26	3,7	48
6	bla/br/blu/sigrd	1.287,39	60,0	1 x 2,76	4,2	68
10	bla	2.053,87	100,0	1 x 3,57	5,4	116

SiF 300/500 V

0,50	bla/br/blu/gy/gr/wh/sigrd	271,38	5,0	16 x 0,21	1,9	8
0,75	bla/br/blu/gy/gr/wh/sigrd	321,18	7,5	24 x 0,21	2,2	11
1	bla/br/blu/gy/gr/wh/sigrd	356,02	10,0	32 x 0,21	2,3	14
1,5	bla/br/blu/gy/gr/wh/sigrd	416,99	15,0	30 x 0,26	2,8	20
2,5	bla/br/blu/gy/gr/wh/sigrd	594,52	25,0	50 x 0,26	3,4	32
4	bla/br/blu/gy/gr/wh/sigrd	862,17	40,0	56 x 0,31	4,0	49
6	bla/br/blu/gy/gr/wh/sigrd	1.202,76	60,0	84 x 0,31	4,7	70
10	bla/br/blu/gy/gr/wh/sigrd	1.880,72	100,0	80 x 0,41	6,8	124
16	bla/br/blu/gy/gr/sigrd	2.816,18	160,0	128 x 0,41	7,8	188
25	bla/br/blu/gy/rdbr	4.330,18	250,0	200 x 0,41	9,7	292
35	bla/rdbr	5.671,02	350,0	280 x 0,41	10,9	391
50	bla/rdbr	8.016,38	500,0	400 x 0,41	13,6	561
70	bla/rdbr	11.130,55	700,0	356 x 0,51	15,6	761
95	bla/rdbr	14.011,56	950,0	485 x 0,51	18,0	1042
120	bla/rdbr	18.544,25	1200,0	614 x 0,51	19,5	1296
150	bla/rdbr	24.109,45	1500,0	765 x 0,51	21,9	1612
185	bla/rdbr	29.289,51	1850,0	944 x 0,51	24,8	1974
240	bla	38.734,70	2400,0	1225 x 0,51	26,7	2553

**Construction**

Fine-stranded tinned copper conductor, insulation of silicone (2GI1), impregnated fibreglass braiding.

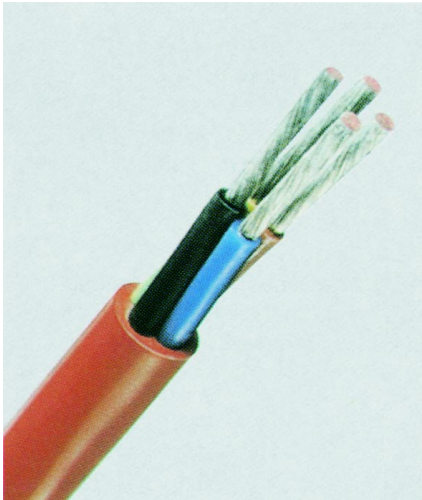
Application

This wire is well suited for internal wiring in lamps, instruments, control panels and distributors. It is used for high mechanical stress, as the fibreglass braiding protects the silicone insulation from mechanical damages. It is halogen-free and heat resistant.

Temperature range

In motion	- 25°C till + 180°C
For fixed installation	- 40°C till + 180°C
Short-time use	+ 250°C

Nominal cross section mm ²	Colours	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
SiF / GL 300/500 V						
0,50	wh	523,53	5,0	16 x 0,21	2,40	12
0,75	wh	593,53	7,5	24 x 0,21	2,70	15
1	wh	660,72	10,0	32 x 0,21	2,80	18
1,5	wh	736,14	15,0	30 x 0,26	3,30	26
2,5	wh	960,80	25,0	50 x 0,26	3,90	38
4	wh	1.326,60	40,0	56 x 0,31	4,50	55
6	wh	1.748,27	60,0	84 x 0,31	5,20	76
10	wh	2.841,49	100,0	80 x 0,41	7,30	136
16	wh	4.070,68	160,0	128 x 0,41	8,30	200
25	wh	5.906,91	250,0	200 x 0,41	10,20	311
35	wh	7.613,07	350,0	280 x 0,41	11,40	412
50	wh	10.187,22	500,0	400 x 0,41	14,10	583
70	wh	13.859,92	700,0	356 x 0,51	16,10	798
95	wh	16.805,53	950,0	495 x 0,51	18,50	1073
120	wh	24.005,00	1200,0	614 x 0,51	20,00	1329

**Construction**

Fine-stranded tinned copper conductor according to VDE 0295, core insulation of silicone (2GI1), cores are colour-coded up to 5 cores, above 6 cores they are black with consecutive white numbers, a green-yellow earth wire (except for the 2-core types), cores are stranded in layers, silicone outer sheath (2GM1), reddish brown.

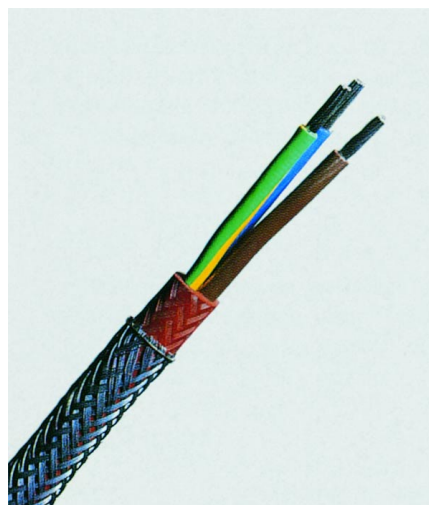
Application

In dry, damp and wet locations as well as in the open-air for low mechanical stress, particularly at high ambient temperatures.

Temperature range

In motion	- 25°C till	+ 180°C
For fixed installation	- 40°C till	+ 180°C
Short-time use		+ 250°C

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
SiHF 300/500 V					
2 x 0,75	1543,34	15,0	24 x 0,21	6,4	57
3 x 0,75	1713,19	22,5	24 x 0,21	6,8	66
4 x 0,75	2252,39	30,0	24 x 0,21	7,8	67
5 x 0,75	2633,00	37,5	24 x 0,21	8,5	105
7 x 0,75	3184,34	52,5	24 x 0,21	9,5	130
2 x 1	1656,52	20,0	32 x 0,21	6,6	64
3 x 1	2070,84	30,0	32 x 0,21	7,4	81
4 x 1	2429,29	40,0	32 x 0,21	8,0	100
5 x 1	2890,56	50,0	32 x 0,21	8,8	121
7 x 1	3550,31	70,0	32 x 0,21	9,8	151
2 x 1,5	2048,60	30,0	30 x 0,26	8,0	87
3 x 1,5	2331,55	45,0	30 x 0,26	8,3	104
4 x 1,5	2788,94	60,0	30 x 0,26	9,0	127
5 x 1,5	3314,90	75,0	30 x 0,26	9,8	148
6 x 1,5	3874,64	90,0	30 x 0,26	10,6	181
7 x 1,5	3942,94	105,0	30 x 0,26	10,9	198
8 x 1,5	6702,31	120,0	30 x 0,26	11,7	240
12 x 1,5	7653,16	180,0	30 x 0,26	14,5	353
16 x 1,5	9500,71	240,0	30 x 0,26	16,7	445
24 x 1,5	14340,75	360,0	30 x 0,26	21,0	723
2 x 2,5	2982,08	50,0	50 x 0,26	9,5	137
3 x 2,5	3421,20	75,0	50 x 0,26	10,0	164
4 x 2,5	4060,17	100,0	50 x 0,26	11,0	200
5 x 2,5	4930,19	125,0	50 x 0,26	11,9	240
7 x 2,5	6076,75	175,0	50 x 0,26	13,1	300
12 x 2,5	13932,26	300,0	50 x 0,26	18,0	573
2 x 4	4206,90	80,0	50 x 0,31	11,3	191
3 x 4	4690,73	120,0	50 x 0,31	11,9	248
4 x 4	6021,95	160,0	50 x 0,31	13,3	329
5 x 4	7379,20	200,0	50 x 0,31	15,0	399
7 x 4	9853,18	280,0	50 x 0,31	16,2	486
3 x 6	6697,14	180,0	84 x 0,31	14,2	351
4 x 6	8647,91	240,0	84 x 0,31	16,2	462
5 x 6	10265,13	300,0	84 x 0,31	17,7	547
7 x 6	12831,85	420,0	84 x 0,31	19,8	694
4 x 10	13740,98	400,0	80 x 0,41	21,4	709
4 x 16	19840,54	640,0	128 x 0,41	24,0	1014
4 x 25	29659,61	1000,0	200 x 0,41	27,5	1557

**Construction**

Fine-stranded tinned copper conductor according to VDE 0295, core insulation of silicone (2GI1), cores are colour-coded up to 5 cores, above 6 cores they are black with consecutive white numbers, there is a green-yellow earth wire (except for the 2-core types), cores are stranded in layers, silicone outer sheath (2GM1), reddish brown, armouring of galvanised steel wire braiding.

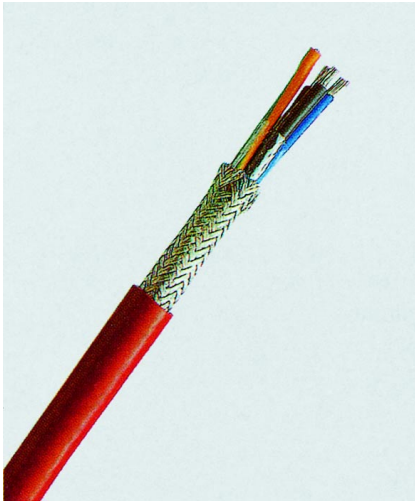
Application

In dry, damp and wet locations as well as in the open-air for low mechanical loads, particularly at high ambient temperatures. The armouring of galvanised steel wires protects the cable from mechanical damages.

Temperature range

In motion - 25°C till + 180°C
 For fixed installation - 40°C till + 180°C
 Short-time use + 250°C

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
SiHFP 300/500 V					
2 x 0,75	2.427,80	15,0	24 x 0,21	7,5	107
3 x 0,75	2.546,60	22,5	24 x 0,21	7,8	114
4 x 0,75	3.040,20	30,0	24 x 0,21	9,0	120
5 x 0,75	3.374,00	37,5	24 x 0,21	9,8	175
7 x 0,75	3.937,60	52,5	24 x 0,21	10,6	208
2 x 1	2.453,20	20,0	32 x 0,21	7,6	121
3 x 1	2.848,60	30,0	32 x 0,21	8,5	145
4 x 1	3.181,10	40,0	32 x 0,21	9,3	158
5 x 1	3.622,80	50,0	32 x 0,21	10,2	201
7 x 1	4.232,60	70,0	32 x 0,21	11,3	231
2 x 1,5	2.833,50	30,0	30 x 0,26	9,0	153
3 x 1,5	3.053,50	45,0	30 x 0,26	9,3	168
4 x 1,5	3.549,60	60,0	30 x 0,26	10,2	208
5 x 1,5	4.072,20	75,0	30 x 0,26	11,5	235
7 x 1,5	4.771,10	105,0	30 x 0,26	12,0	293
12 x 1,5	9.475,80	180,0	30 x 0,26	14,9	385
2 x 2,5	3.737,70	50,0	50 x 0,26	10,7	221
3 x 2,5	4.200,90	75,0	50 x 0,26	11,2	224
4 x 2,5	4.857,00	100,0	50 x 0,26	12,2	295
5 x 2,5	5.669,10	125,0	50 x 0,26	13,0	343
7 x 2,5	6.807,70	175,0	50 x 0,26	14,0	416
2 x 4	4.906,00	80,0	50 x 0,31	12,5	292
3 x 4	5.378,20	120,0	50 x 0,31	13,1	338
4 x 4	6.842,20	160,0	50 x 0,31	14,4	445
5 x 4	8.059,60	200,0	50 x 0,31	16,2	526
3 x 6	7.290,20	180,0	84 x 0,31	15,7	415
4 x 6	9.283,00	240,0	84 x 0,31	17,7	602
5 x 6	10.435,60	300,0	84 x 0,31	19,2	697
4 x 10	14.073,00	400,0	80 x 0,41	22,6	880
4 x 16	17.953,60	640,0	128 x 0,41	25,2	1220
4 x 25	29.209,50	1000,0	200 x 0,41	30,4	1710

**Construction**

Fine-stranded tinned copper conductor according to VDE 0295, core insulation of silicone (2GI1), cores are colour-coded up to 5 cores, above 6 cores they are black with consecutive white numbers, there is a green-yellow earth wire (except for the 2-core types), cores are stranded in layers and wrapped with PETP foil, screen of tinned copper braiding, silicone outer sheath (2GM1), reddish brown.

Application

In dry, damp and wet locations as well as in the open-air for low mechanical loads, particularly at high ambient temperatures. The copper braiding optimises protection against high-frequency external interference.

Temperature range

In motion - 25°C till + 180°C
 For fixed installation - 40°C till + 180°C
 Short-time use + 250°C

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
SiFCuSi 300/500 V					
2 x 0,75	4.094,10	45	24 x 0,21	7,6	76
3 x 0,75	4.474,10	53	24 x 0,21	7,9	90
4 x 0,75	4.992,40	64	24 x 0,21	8,5	106
5 x 0,75	5.866,90	77	24 x 0,21	9,1	153
7 x 0,75	6.486,60	95	24 x 0,21	9,8	209
2 x 1	4.319,60	50	32 x 0,21	7,8	83
3 x 1	4.715,70	63	32 x 0,21	8,1	100
4 x 1	5.381,80	79	32 x 0,21	8,7	121
5 x 1	6.311,30	90	32 x 0,21	9,4	143
7 x 1	7.040,90	113	32 x 0,21	10,1	173
2 x 1,5	5.268,10	69	30 x 0,26	8,8	167
3 x 1,5	5.881,10	85	30 x 0,26	9,2	177
4 x 1,5	6.768,00	103	30 x 0,26	9,9	203
5 x 1,5	8.087,90	127	30 x 0,26	10,8	255
7 x 1,5	9.131,20	162	30 x 0,26	11,6	295
10 x 1,5	13.226,20	222	30 x 0,26	14,8	419
12 x 1,5	14.856,00	253	30 x 0,26	15,2	454
16 x 1,5	19.265,70	411	30 x 0,26	17,4	587
18 x 1,5	21.291,40	381	30 x 0,26	18,2	630
2 x 2,5	7.069,40	93	50 x 0,26	10,0	141
3 x 2,5	8.033,90	127	50 x 0,26	10,5	184
4 x 2,5	9.333,90	153	50 x 0,26	11,4	223
5 x 2,5	11.223,20	184	50 x 0,26	12,3	272
7 x 2,5	13.197,80	236	50 x 0,26	13,8	351

This type with an additional inner sheath is available on request.