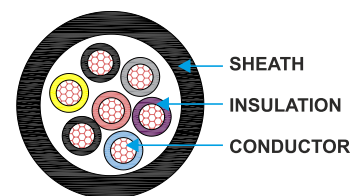




Silicon Cables

SiHF - Silicone Control Cable



Application

Suitable where PVC insulated cables become brittle due to high-temperature variations. Silicone-insulated single cores are commonly used in the metallurgical industry, steel works, hot rolling mills, coking plants, foundries, etc. The insulation consists of silicone rubber. It is resistant to vegetable and animal fat, many types of oil, and diluted acids. No decomposition occurs when exposed to alcohol, alkaline solutions, etc. The insulation is resistant to oxygen and ozone. Should the cable burn, a silicon dioxide layer will remain on the conductor to render it short-circuit-proof.

Properties

Advantages hardly changes in dielectric strength and insulation resistance at high temperatures, high ignition, or flash points, in case of fire, forms an insulating layer of SiO₂. Resistant to high molecular oils, fats from vegetables and animals, alcohols, plasticizers and clothes, diluted acids, lye and salt dissolution, oxidation substances, tropical influences and weather, lake water, oxygen, and UV halogen-free according to DIN VDE 0482 part 267/ EN 50267-2-2/ IEC 60754-2 (equivalent DIN VDE 0472 part 813) behavior in fire no flame propagation.

Test according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Construction

- Tinned copper conductors to DIN VDE 0295 cl. 5, BS 6360 cl. 5, and IEC 60228 cl. 5
- Silicone conductor insulation
- Conductor identification to DIN VDE 0293-308 color-coded or black conductors with continuous white numbers For 2-conductors brown, blue
- Conductors stranded in layers with optimal lay-length
- Green-yellow earth-conductor (3 conductors and above)
- The outer jacket is silicone

Technical Parameter

- Special silicone multi-conductor cable with higher heat-resistance range adapted to DIN VDE 0250 part 1 and part 816
- Working voltage : 300/500 V
- Test voltage : 2 KV
- Bending radius : flexing 7.5 x cable Ø, fixed installation 4 x cable Ø
- Temp range : -55°C to +180°C
- Short time temp up to +350°C
- Flame retardant : IEC 60332.1

Dimension

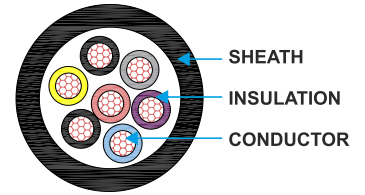
Part code	No. of Cores	Conductor cross-section mm ²	Nominal OD mm	Gross Weight kg/km
1803T020005	2	0.5	5.5	42
1803T030005	3	0.5	5.8	44
1803T040005	4	0.5	6.2	58
1803T050005	5	0.5	6.8	62
1803T060005	6	0.5	7.4	79
1803T070005	7	0.5	7.4	85
1803T080005	8	0.5	8.6	99
1803T100005	10	0.5	9.5	124
1803T120005	12	0.5	9.8	141
1803T160005	16	0.5	11	186
1803T180005	18	0.5	11.5	211
1803T250005	25	0.5	13.7	271
1803T020007	2	0.75	6.4	53
1803T030007	3	0.75	6.8	63
1803T040007	4	0.75	7.8	83
1803T050007	5	0.75	8.5	101
1803T060007	6	0.75	9.2	115
1803T070007	7	0.75	9.2	124
1803T080007	8	0.75	9.7	138
1803T100007	10	0.75	10.9	156
1803T120007	12	0.75	11.1	185
1803T160007	16	0.75	12.6	218
1803T180007	18	0.75	13.3	260
1803T250007	25	0.75	15.6	370
1803T020010	2	1	6.6	59
1803T030010	3	1	7.4	77
1803T040010	4	1	8	94
1803T050010	5	1	8.8	115
1803T060010	6	1	9.5	134

1803 - Silicon Cables



Silicon Cables

SiHF - Silicone Control Cable



1803 - Silicon Cables

Dimension

Part code	No. of Cores	Conductor cross-section mm ²	Nominal OD mm	Gross Weight kg/km
1803T100010	7	1	9.5	144
1803T080010	8	1	10.4	175
1803T100010	10	1	11.3	216
1803T120010	12	1	11.5	231
1803T160010	16	1	13.1	302
1803T180010	18	1	13.8	340
1803T250010	25	1	16.2	431
1803T020015	2	1.5	7.6	81
1803T030015	3	1.5	8	98
1803T040015	4	1.5	8.8	122
1803T050015	5	1.5	9.6	147
1803T060015	6	1.5	10.4	173
1803T070015	7	1.5	10.4	187
1803T080015	8	1.5	11.6	213
1803T100015	10	1.5	13.6	263
1803T120015	12	1.5	14.6	314
1803T140015	14	1.5	15.4	379
1803T160015	16	1.5	16.7	445
1803T180015	18	1.5	17.6	506
1803T200015	20	1.5	18.2	566
1803T240015	24	1.5	20	722
1803T020025	2	2.5	9.2	134
1803T030025	3	2.5	9.7	152
1803T240025	4	2.5	10.6	188
1803T050025	5	2.5	11.6	228
1803T060025	6	2.5	12.9	304
1803T070025	7	2.5	13	320
1803T080025	8	2.5	14.9	373
1803T100025	10	2.5	16.5	450
1803T120025	12	2.5	17.8	502
1803T160025	16	2.5	19.1	659
1803T180025	18	2.5	20	761
1803T250025	25	2.5	24.5	1007
1803T020040	2	4	10.8	180
1803T030040	3	4	11.4	224
1803T040040	4	4	13.1	295
1803T050040	5	4	14.4	359
1803T070040	7	4	16.2	479
1803T020060	2	6	13.4	274
1803T030060	3	6	14.2	338
1803T040060	4	6	16.2	441
1803T050060	5	6	17.7	535
1803T070060	7	6	19.2	685
1803T020100	2	10	17.6	400
1803T030100	3	10	18.7	620
1803T040100	4	10	20.4	707
1803T050100	5	10	22.5	900
1803T070100	7	10	24.4	1151
1803T020160	2	16	20.4	400
1803T030160	3	16	22	500
1803T040160	4	16	24.3	714
1803T050160	5	16	26.7	850
1803T070160	7	16	27.6	1682
1803T020250	2	25	24.6	700
1803T030250	3	25	26.2	1100
1803T040250	4	25	31.8	1500
1803T020350	2	35	28.2	1100
1803T030350	3	35	29.9	1500
1803T040350	4	35	32.8	2100