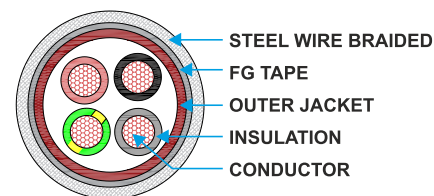




Silicon Cables

SiHF-GLP-Silicone Multi Core Cable



Application

SiHF-GLP is a special 180 Degree C silicone multi-core cable with an overall steel braid for use in high and low temperature areas or whenever the insulation is subject to extreme temperature changes. These cables are mainly found in steel producing and aviation industry as well as in ship building, cement, glass and ceramic factories. SiHF-GLP cables are low-smoke and halogen-free especially suited for use in power stations. The silicone jacket provides added heat, chemical, oil and acid resistance. The external galvanized steel braid ensures excellent mechanical protection.

Construction

- Tinned copper conductors to DIN VDE 0295 cl. 5, BS 6360 cl. 5, and IEC 60228 cl. 5
- Silicon insulation.
- Conductor identification to DIN VDE 0293-308 color-coded or black conductors with continuous white numbers
- For 2 conductor brown & blue
- Conductors stranded in layers with optimal lay-length
- Green-yellow earth-conductor (3 conductors and above)
- The outer jacket is silicon
- Jacket color preferably red brown
- Glass fibre tape over the jacket
- Galvanized steel wire outer braiding

Properties

Advantages Hardly changes of dielectric strength and insulation resistance at high temperatures, high ignition or flash point. In case of fire, an insulating layer of SiO₂ is formed. Resistant to 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. Halogen-free.

According to DIN VDE 0482 part 267/ IEC 60754-2 (equivalent DIN VDE 0472 part 813) Behaviour 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)

Technical Parameter

- Special silicon multi-conductor cable with higher heat-resistance range adapted to DIN VDE 0250 part 1 and part 816
- Temperature range : -55°C to +180°C
- Short time temp up to : +350° C
- Temperature limit at the conductor in operation +180°C
- Nominal voltage : 300 / 500 V
- Test voltage : 2 KV
- Minimum bending radius : flexing 10 x cable Ø
fixed installation 5 x cable Ø

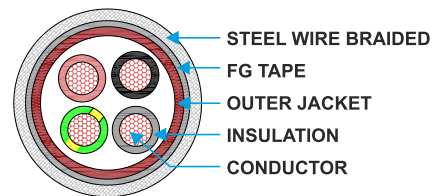
Dimension

Part code	No. of Cores	Conductor cross-section mm ²	Nominal OD mm	Gross Weight kg/km
1805T020007	2	0.75	7.2	88
1805T030007	3	0.75	7.6	99
1805T040007	4	0.75	8.1	121
1805T050007	5	0.75	9.2	147
1805T060007	6	0.75	9.9	169
1805T070007	7	0.75	9.9	178
1805T020010	2	1	7.6	98
1805T030010	3	1	8	119
1805T040010	4	1	8.8	139
1805T050010	5	1	9.7	167
1805T060010	6	1	10.4	185
1805T070010	7	1	10.4	194
1805T020015	2	1.5	8.3	126
1805T030015	3	1.5	8.7	143
1805T040015	4	1.5	9.6	170
1805T050015	5	1.5	10.4	198
1805T060015	6	1.5	11.4	245
1805T070015	7	1.5	11.4	256
1805T080015	8	1.5	12.7	315
1805T100015	10	1.5	14	370
1805T120015	12	1.5	14.5	408
1805T140015	14	1.5	15.6	471
1805T160015	16	1.5	17	541
1805T180015	18	1.5	17.8	599
1805T200015	20	1.5	18.3	630
1805T240015	24	1.5	20.4	760



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1805 - Silicon Cables

Dimension

Part code	No. of Cores	Conductor cross-section mm ²	Nominal OD mm	Gross Weight kg/km
1805T020025	2	2.5	9.7	165
1805T030025	3	2.5	10.2	238
1805T040025	4	2.5	11.5	268
1805T050025	5	2.5	12.7	315
1805T060025	6	2.5	13.7	370
1805T070025	7	2.5	13.7	385
1805T120025	12	2.5	17.6	608
1805T020040	2	4	11.5	255
1805T030040	3	4	12.2	299
1805T040040	4	4	13.4	365
1805T050040	5	4	15.1	455
1805T060040	6	4	16.4	525
1805T070040	7	4	16.4	556
1805T020060	2	6	12.9	326
1805T030060	3	6	13.7	401
1805T040060	4	6	14.8	485
1805T050060	5	6	16.8	602
1805T060060	6	6	18.2	701
1805T070060	7	6	18.2	736
1805T020100	2	10	17.3	543
1805T030100	3	10	18.4	652
1805T040100	4	10	20.6	825
1805T050100	5	10	22.5	987
1805T020160	2	16	20.2	748
1805T030160	3	16	21.5	909
1805T040160	4	16	23.4	1183
1805T050160	5	16	26.2	1393
1805T020250	2	25	23.8	1046
1805T030250	3	25	26	1347
1805T040250	4	25	28.3	1678
1805T020350	2	35	27.2	1378
1805T030350	3	35	29	1846
1805T040350	4	35	32.3	2240
1805T020500	2	50	31.4	1869
1805T030500	3	50	33.5	2384
1805T040500	4	50	37.2	2702

