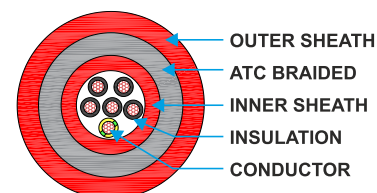




Silicon Cables

SiHF-C-Si - Silicone Multi-Core Braided Cable



Application

SiHF-C-Si is a special 180-degree C silicone multi-core cable for use in high and low-temperature areas or whenever the insulation is subject to extreme temperature changes. These cables are mainly found in the steel-producing industry and aviation industry as well as in shipbuilding, cement, glass, and ceramic factories.

SiHF-C-Si cables are low-smoke and halogen-free especially suited for use in power stations. The silicone jacket provides added heat, chemical, oil, and acidic resistance while the internal tinned copper braid shield protects against electromagnetic interference offering disturbance-free signals and impulses. Not permitted for outdoor use.

Properties

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) Burning behaviour No propagation of fire Testing 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 conductor according to DIN VDE 0295 cl.5, BS 6360 cl.5, and IEC 60228 cl.5.
- Conductor insulation of silicone.
- Conductor identification according to DIN VDE 0293-308, single color, or black conductors with sequential.
- Numbering imprinted in white, for 2 conductors brown, and blue.
- Conductors are stranded in layers with optimal lay length.
- Green-yellow grounding (3 conductors)
- Inner jacket of silicone.
- Braid of tinned Cu wires, coverage approx. 85%
- Silicone-rubber-insulated common outer jacket.
- Jacket preferentially red-brown color.

Technical Parameter

- Special silicone-insulated cable with higher heat resistance 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, 5 x cable Ø
- Coupling resistance : Max. 250Ω/km

Dimension

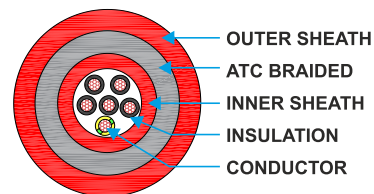
Part code	No. of Cores	Conductor cross-section mm ²	Nominal OD mm	Gross Weight kg/km (approx)
1804T020002	2	0.25	8.7	101
1804T030002	3	0.25	8.9	118
1804T040002	4	0.25	9.4	131
1804T050002	5	0.25	10	153
1804T070002	7	0.25	10.5	173
1804T100002	10	0.25	13.1	242
1804T120002	12	0.25	13.4	263
1804T160002	16	0.25	14.6	326
1804T180002	18	0.25	15.1	351
1804T250002	25	0.25	19.4	348
1804T020007	2	0.75	9.2	124
1804T030007	3	0.75	9.5	136
1804T040007	4	0.75	10.1	159
1804T050007	5	0.75	10.8	180
1804T070007	7	0.75	11.6	212
1804T100007	10	0.75	14.4	306
1804T120007	12	0.75	14.7	333
1804T160007	16	0.75	16.5	418
1804T180007	18	0.75	17.3	453
1804T250007	25	0.75	22.1	468
1804T020010	2	1	9.5	132
1804T030010	3	1	9.7	153
1804T040010	4	1	10.4	173
1804T050010	5	1	11.3	202
1804T070010	7	1	12	243
1804T100010	10	1	14.9	238
1804T120010	12	1	15.2	371
1804T160010	16	1	17	468
1804T180010	18	1	17.8	526

1804 - Silicon Cables



Silicon Cables

SIHF-C-Si - Silicone Multi-Core Shielded Double Jacket Cable



MIRACLECABLES

1804 - Silicon Cables

Dimension

Part code	No. of Cores	Conductor cross-section mm ²	Nominal OD mm	Gross Weight kg/km (approx)
1804T250010	25	1	23	559
1804T020015	2	1.5	10.7	172
1804T030015	3	1.5	11.2	198
1804T040015	4	1.5	11.8	235
1804T050015	5	1.5	13.3	281
1804T070015	7	1.5	14.3	345
1804T100015	10	1.5	17.7	482
1804T120015	12	1.5	18	531
1804T160015	16	1.5	20.1	662
1804T180015	18	1.5	20.9	720
1804T250015	25	1.5	24.1	791
1804T020025	2	2.5	12.1	230
1804T030025	3	2.5	12.9	275
1804T040025	4	2.5	14.2	340
1804T050025	5	2.5	15.3	394
1804T070025	7	2.5	16.9	488
1804T040040	4	4	17.1	520
1804T050040	5	4	19.4	653
1804T040060	4	6	18.8	781
1804T050060	5	6	21.2	982
1804T040100	4	10	25.7	1294
1804T040160	4	16	28.4	1988
1804T040250	4	25	35	2995

