

SiHF Cable

Cable Application

Suitable where PVC insulated 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. SiHFP cable can be used in dry, moist and wet rooms as well as outdoors at high and low temperatures, as a flexible connecting cable. 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 silicone dioxide layer will remain on the conductor to render it short circuit proof.

Technical Information

Conductor:	Stranded tinned copper wire conductor
Insulation:	Silicone rubber
Sheath:	Silicone outer sheath, red - brown
Stranding:	According to VDE 0295 class 5, IEC 60228
Voltage:	Working: 300/500V • Test: 3000V
Temperature Range:	Flexing: -60°C to +180°C • Temporarily: to +200°C
Bending Radius:	Flexing: 15 x Ø • Static: 7.5 x Ø

Cores and size mm ²	Nominal O/DIA mm	Weight kg/km ca.	Cores and size mm ²	Nominal O/DIA mm	Weight kg/km ca.
2 x 0.75	6.4	53	4 x 6.0	16.2	440
2 x 1.0	6.6	60	4 x 10.0	20	700
2 x 1.5	7.6	82	4 x 16.0	24.3	985
2 x 2.5	9.2	135	5 x 0.75	8.5	100
3 x 0.75	6.8	64	5 x 1.0	8.9	115
3 x 1.0	7.4	78	5 x 1.5	9.6	148
3 x 1.5	8	98	5 x 2.5	11.6	229
3 x 2.5	9.7	152	5 x 4.0	14.4	359
3 x 4.0	11.4	220	7 x 0.75	9.2	125
3 x 6.0	14.2	338	7 x 1.0	9.5	144
4 x 0.75	7.8	84	7 x 1.5	10.4	187
4 x 1.0	8	95	7 x 2.5	12.6	293
4 x 1.5	8.8	120	12 x 1.5	14	332
4 x 2.5	10.6	189	18 x 1.5	17.3	420
4 x 4.0	13.1	295	24 x 1.5	20	635

Other sizes and colours available on request.

For the current ratings refer to the IEE Regulations tables 4F2A and B to 4F3A and B on pages 124 to 128.



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