

SiHF-C-Si Shielded, Double Jacket



SiHF-C-Si is a special 180 Degree C. silicone jacketed multi-core overall shielded cable for use in high and low temperature areas or whenever insulation is subjected to extreme temperature changes. These cables are mainly found in the steel producing industry and aviation industry as well as in ship building, cement, glass and ceramic factories. Also found in iron works, rolling mills, and foundries. **SiHF-C-Si** cables are halogen-free and especially suited for use in power stations. The silicone jacket provides added heat-resistance, 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.



Construction:

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Silicone core insulation
- Color code VDE-0293-308
- For 2 cores color code is brown & blue
- 6+ cores, color code is black & white numbers
- 85% tinned copper braid
- Silicone outer jacket - reddish/brown
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 20 x Ø
- Static bending radius: 5 x Ø
- Temp range: -50° C to +180° C
- Short time temp up to +220° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 200 MΩ x km

Approvals:

- VDE-0250 Part-1 & Part 816
- Halogen-free to IEC 60754-1
- Low smoke to IEC 60754-2
- CE low voltage directive 72/23/EEC & 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm2				
6122002	2	0.343" / 8.7mm	38	68
6122003	3	0.350" / 8.9mm	41	79
6122004	4	0.370" / 9.4mm	45	88
6122005	5	0.398" / 10.1mm	55	103
6122007	7	0.413" / 10.5mm	62	116
6122010	10	0.516" / 13.1mm	83	162
6122012	12	0.528" / 13.4mm	90	176
6122016	16	0.575" / 14.6mm	114	219
6122018	18	0.594" / 15.1mm	121	235
6122025	25	0.764" / 19.4mm	154	300
18 AWG (24/32) 0,75mm2				
6121802	2	0.362" / 9.2mm	42	83
6121803	3	0.374" / 9.5mm	46	91
6121804	4	0.398" / 10.1mm	58	107
6121805	5	0.425" / 10.8mm	64	121
6121807	7	0.457" / 11.6mm	76	142
6121810	10	0.567" / 14.4mm	111	205
6121812	12	0.579" / 14.7mm	121	223
6121816	16	0.650" / 16.5mm	142	280
6121818	18	0.681" / 17.3mm	189	304
6121825	25	0.870" / 22.1mm	199	381
17 AWG (32/32) 1,00mm2				
6121702	2	0.374" / 9.5mm	45	89
6121703	3	0.382" / 9.7mm	58	103
6121704	4	0.409" / 10.4mm	65	116
6121705	5	0.445" / 11.3mm	72	135
6121707	7	0.476" / 12.1mm	95	163
6121710	10	0.587" / 14.9mm	127	193
6121712	12	0.598" / 15.2mm	140	249
6121716	16	0.673" / 17.1mm	168	314
6121718	18	0.701" / 17.8mm	199	353
6121725	25	0.941" / 23.9mm	221	442

Sizes continued on next page.

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SiHF-C-Si Sizes Continued. (16 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
16 AWG (30/30) 1,50mm²				
6121602	2	0.421" / 10.7mm	59	115
6121603	3	0.441" / 11.2mm	70	133
6121604	4	0.465" / 11.8mm	88	158
6121605	5	0.524" / 13.3mm	99	188
6121607	7	0.563" / 14.3mm	129	231
6121610	10	0.697" / 17.7mm	180	323
6121612	12	0.713" / 18.1mm	200	356
6121616	16	0.791" / 20.1mm	243	444
6121618	18	0.823" / 20.9mm	264	483
6121625	25	0.949" / 24.1mm	327	576
14 AWG (50/30) 2,50mm²				
6121402	2	0.476" / 12.1mm	82	154
6121403	3	0.508" / 12.9mm	99	184
6121404	4	0.559" / 14.2mm	126	228
6121405	5	0.602" / 15.3mm	144	264
6121407	7	0.665" / 16.9mm	178	327
12 AWG (56/28) 4,0mm²				
6121204	4	0.673" / 17.1mm	197	349
6121205	5	0.764" / 19.4mm	251	438
10 AWG (84/28) 6,0mm²				
6121004	4	0.740" / 18.8mm	301	524
6121005	5	0.835" / 21.2mm	378	659
8 AWG (80/26) 10,0mm²				
6120804	4	1.012" / 25.7mm	509	868
6 AWG (128/26) 16,0mm²				
6120604	4	1.118" / 28.4mm	791	1333
4 AWG (200/26) 25,0mm²				
6120404	4	1.382" / 35.1mm	1214	2009
2 AWG (280/26) 35,0mm²				
6120204	4	1.543" / 39.2mm	1723	2799

* Additional sizes may be available.