

SiHF-GLP Overall Steel Wire Braid



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 insulation is subjected to extreme temperature changes. These cables are mainly found in steel producing industry and aviation industry as well as in ship building, cement, glass and ceramic factories. **SiHF-GLP** cables are halogen-free and especially suited for use in power stations. The silicone jacket provides added heat-resistance, chemical, oil and acidic resistance. The external galvanized steel braid ensures mechanical protection and disturbance-free transmission of signals and impulses. Not permitted for outdoor use.



Construction:

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-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
- Silicone outer jacket - reddish/brown
- Glass fiber tape over jacket
- Galvanized steel wire outer braid
- **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
18 AWG (24/32) 0,75mm²				
6111802	2	0.311" / 7.9mm	10	60
6111803	3	0.327" / 8.3mm	15	68
6111804	4	0.366" / 9.3mm	19	87
6111805	5	0.398" / 10.1mm	24	105
6111806	6	0.409" / 10.4mm	29	113
6111807	7	0.421" / 10.7mm	34	119
17 AWG (32/32) 1,00mm²				
6111702	2	0.319" / 8.1mm	13	65
6111703	3	0.350" / 8.9mm	19	82
6111704	4	0.370" / 9.4mm	25	95
6111705	5	0.409" / 10.4mm	32	111
6111706	6	0.437" / 11.1mm	39	121
6111707	7	0.465" / 11.8mm	45	132
16 AWG (30/30) 1,50mm²				
6111602	2	0.358" / 9.1mm	19	85
6111603	3	0.374" / 9.5mm	29	97
6111604	4	0.406" / 10.3mm	39	116
6111605	5	0.437" / 11.1mm	48	135
6111606	6	0.465" / 11.8mm	58	158
6111607	7	0.484" / 12.3mm	68	167
6111608	8	0.516" / 13.1mm	77	175
6111612	12	0.610" / 15.5mm	116	219
6111614	14	0.638" / 16.2mm	135	256
6111618	18	0.736" / 18.7mm	174	295
6111624	24	0.846" / 21.5mm	232	402
14 AWG (50/30) 2,50mm²				
6111402	2	0.421" / 10.7mm	32	125
6111403	3	0.441" / 11.2mm	48	138
6111404	4	0.476" / 12.1mm	64	186
6111405	5	0.524" / 13.3mm	80	216
6111406	6	0.563" / 14.3mm	97	235
6111407	7	0.583" / 14.8mm	113	255

Sizes continued on next page.

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SiHF-GLP Sizes Continued. (12 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
12 AWG (56/28) 4,0mm²				
6111202	2	0.492" / 12.5mm	52	161
6111203	3	0.516" / 13.1mm	77	209
6111204	4	0.598" / 15.2mm	103	258
6111205	5	0.634" / 16.1mm	129	305
6111207	7	0.689" / 17.5mm	180	425
10 AWG (84/28) 6,0mm²				
6111002	2	0.594" / 15.1mm	77	215
6111003	3	0.626" / 15.9mm	116	290
6111004	4	0.717" / 18.2mm	154	365
6111005	5	0.764" / 19.4mm	193	440
6111007	7	0.815" / 20.7mm	270	515
8 AWG (80/26) 10,0mm²				
6110804	4	0.870" / 22.1mm	258	620
6 AWG (128/26) 16,0mm²				
6110604	4	1.028" / 26.1mm	412	828
4 AWG (200/26) 25,0mm²				
6110404	4	1.197" / 30.4mm	644	1140

* Additional sizes may be available.