

SiHF-UL UL/cUL/CE



SiHF-UL is a special 180 Degree C., UL/cUL/CE approved, black silicone multi-core cable for use in high and low temperature areas or whenever insulation is subjected to extreme temperature changes. Especially designed for the North American and European markets by carrying the UL/cUL/CE approvals. These cables are mainly found in steel producing and aviation industry as well as in ship building, foundries, ceramic and glass factories, sauna and solarium construction, air conditioning technology, oven construction and lighting technologies. **SiHF-UL** cables are halogen-free especially suited for installations in power stations. The silicone jacket provides added heat, chemical, oil, acidic and UV resistance.



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 - black (RAL 9005)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500v (600v UL)
- Test voltage: 2000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Temp range: -50° C to +180° C
- UL/cUL Temp: +150° C
- Short time temp up to +220° C
- Flame retardant: IEC 60332.1-2, FT-1
- Insulation resistance: 200 MΩ x km

Approvals:

- UL Style 4476
- cUL AWM II A/B
- 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				
6502002	2	0.303" / 7.7mm	7	49
6502003	3	0.319" / 8.1mm	9	55
6502004	4	0.346" / 8.8mm	13	66
6502005	5	0.370" / 9.4mm	16	80
6502006	6	0.409" / 10.4mm	19	88
6502007	7	0.425" / 10.8mm	22	94
6502008	8	0.449" / 11.4mm	25	123
6502010	10	0.504" / 12.8mm	32	135
6502012	12	0.528" / 13.4mm	38	162
6502016	16	0.547" / 13.9mm	51	180
6502018	18	0.567" / 14.4mm	58	209
6502025	25	0.661" / 16.8mm	80	269
18 AWG (32/32) 1,00mm2				
6501802	2	0.323" / 8.2mm	13	59
6501803	3	0.354" / 9.0mm	19	74
6501804	4	0.394" / 10.0mm	25	87
6501805	5	0.417" / 10.6mm	32	108
6501806	6	0.449" / 11.4mm	38	122
6501807	7	0.465" / 11.8mm	45	133
6501808	8	0.488" / 12.4mm	58	168
6501810	10	0.520" / 13.2mm	64	204
6501812	12	0.567" / 14.4mm	77	230
6501816	16	0.618" / 15.7mm	103	296
6501818	18	0.654" / 16.6mm	115	330
6501825	25	0.752" / 19.1mm	161	414
16 AWG (30/30) 1,50mm2				
6501602	2	0.358" / 9.1mm	19	78
6501603	3	0.378" / 9.6mm	29	88
6501604	4	0.417" / 10.6mm	39	111
6501605	5	0.449" / 11.4mm	48	133
6501606	6	0.488" / 12.4mm	59	161
6501607	7	0.520" / 13.2mm	68	175
6501608	8	0.547" / 13.9mm	77	200

Sizes continued on next page.

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SiHF-UL Sizes Continued. (16 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
16 AWG (30/30) 1,50mm² Cont.				
6501610	10	0.634" / 16.1mm	97	241
6501612	12	0.654" / 16.6mm	115	289
6501614	14	0.709" / 18.0mm	135	349
6501616	16	0.787" / 20.0mm	156	382
6501618	18	0.823" / 20.9mm	174	437
6501620	20	0.858" / 21.8mm	193	486
6501625	25	0.945" / 24.0mm	231	620
6501641	41	1.150" / 29.2mm	386	966
14 AWG (50/30) 2,50mm²				
6501402	2	0.386" / 9.8mm	32	95
6501403	3	0.409" / 10.4mm	48	117
6501404	4	0.457" / 11.6mm	64	146
6501405	5	0.492" / 12.5mm	80	182
6501406	6	0.535" / 13.6mm	97	211
6501407	7	0.555" / 14.1mm	113	222
6501408	8	0.587" / 14.9mm	129	271
6501410	10	0.677" / 17.2mm	161	332
6501412	12	0.827" / 21.0mm	193	372
6501416	16	0.890" / 22.6mm	258	486
6501418	18	0.945" / 24.0mm	290	562
6501425	25	1.134" / 28.8mm	402	743
12 AWG (56/28) 4,0mm²				
6501203	3	0.465" / 11.8mm	77	162
6501204	4	0.508" / 12.9mm	103	204
6501205	5	0.571" / 14.5mm	129	258
6501207	7	0.701" / 17.8mm	180	353
10 AWG (84/28) 6,0mm²				
6501003	3	0.594" / 15.1mm	115	263
6501004	4	0.646" / 16.4mm	156	330
6501005	5	0.717" / 18.2mm	193	409
6501007	7	0.831" / 21.1mm	270	457
8 AWG (80/26) 10,0mm²				
6500803	3	0.744" / 18.9mm	193	302
6500804	4	0.787" / 20.0mm	258	418
6500805	5	0.874" / 22.2mm	322	613
6 AWG (128/26) 16,0mm²				
6500603	3	0.898" / 22.8mm	309	349
6500604	4	0.980" / 24.9mm	412	497
6500605	5	1.059" / 26.9mm	515	651
4 AWG (200/26) 25,0mm²				
6500403	3	1.063" / 27.0mm	483	812
6500404	4	1.264" / 32.1mm	644	1022

* Additional sizes may be available.

Hi-Temp & Hi-Volt Silicone Cables