

## SiF-GL Overall Glass Braid Single Core



**SiF-GL** is a special 180 Degree C. stranded silicone single core with an overall glass fiber braid for use in high and low temperature areas. These cables are mainly found in steel producing industry and aviation industry as well as in ship building, cement, glass and ceramic factories. **SiF-GL** cables are low-smoke and halogen-free especially suited for use in power stations where PVC cables become brittle due to higher temperatures. The silicone insulation provides added heat-resistance, chemical, oil and acidic resistance while the overall fiber glass braid gives added protection in harsh environments. Designed for flexible and stationary applications. Outdoor use is not permitted.



### Construction:

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Silicone core insulation
- White overall fiber glass protective braid
- Protection in harsh environments
- High ignition and flash point
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Bending Radius: 15 x Ø
- Temp range: -50° C to +180° C
- Short time temp up to +220° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

### Approvals:

- VDE-0250 Part-1 & Part 502
- Halogen-free to IEC 60754-1
- Low smoke to IEC 60754-2
- CE Low Voltage Directive 73/23/EEC & 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
24 AWG (14/34) 0,25mm <sup>2</sup> 6032405	1	.094" / 2.4mm	2	5
20 AWG (16/32) 0,50mm <sup>2</sup> 6032005	1	.102" / 2.6mm	3	8
18 AWG (24/32) 0,75mm <sup>2</sup> 6031805	1	.114" / 2.9mm	5	11
17 AWG (32/32) 1,00mm <sup>2</sup> 6031705	1	.122" / 3.1mm	7	12
16 AWG (30/30) 1,50mm <sup>2</sup> 6031605	1	.131" / 3.3mm	9	16
14 AWG (50/30) 2,50mm <sup>2</sup> 6031405	1	.154" / 3.9mm	16	23
12 AWG (56/28) 4,0mm <sup>2</sup> 6031205	1	.185" / 4.7mm	25	36
10 AWG (84/28) 6,0mm <sup>2</sup> 6031005	1	.224" / 5.7mm	39	52
8 AWG (80/26) 10,0mm <sup>2</sup> 6030805	1	.295" / 7.5mm	64	87
6 AWG (128/26) 16,0mm <sup>2</sup> 6030605	1	.351" / 8.9mm	103	133
4 AWG (200/26) 25,0mm <sup>2</sup> 6030405	1	.425" / 10.8mm	161	203
2 AWG (280/26) 35,0mm <sup>2</sup> 6030205	1	.476" / 12.1mm	225	278
1 AWG (400/26) 50,0mm <sup>2</sup> 6030105	1	.567" / 14.4mm	322	388

Color Code Chart
05 - White

\*\* SiF-GL only available with a white overall glass fiber braid  
\* Additional AWG sizes may be available.

Hi-Temp & Hi-Volt Silicone Cables