

SiFF High Flex Silicone Single Core



SiFF is a special 180 Degree C. high flex silicone single core 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. **SiFF** 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. Designed for highly flexible applications. Outdoor use is not permitted.



Construction:

- Super-fine tinned copper strands
- Strands to VDE-0295 Class-6, IEC 60228 CI-7
- Silicone core insulation
- Cores to VDE-0293 colors on chart
- High ignition and flash point
- Super flexible
- **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 (128/34) 0,25mm2 60224**	1	.075" / 1.9mm	2	4
20 AWG (256/32) 0,50mm2 60220**	1	.083" / 2.1mm	3	7
18 AWG (384/32) 0,75mm2 60218**	1	.098" / 2.5mm	5	9
17 AWG (512/32) 1,00mm2 60217**	1	.106" / 2.7mm	7	10
16 AWG (392/30) 1,50mm2 60216**	1	.122" / 3.1mm	9	13
14 AWG (651/30) 2,50mm2 60214**	1	.151" / 3.8mm	17	21
12 AWG (1026/28) 4,0mm2 60212**	1	.181" / 4.6mm	27	34
10 AWG (1561/28) 6,0mm2 60210**	1	.224" / 5.7mm	40	49
8 AWG (2604/40) 10,0mm2 60208**	1	.354" / 9.0mm	66	84
6 AWG (4116/40) 16,0mm2 60206**	1	.413" / 10.5mm	105	129
4 AWG (6496/40) 25,0mm2 60204**	1	.535" / 13.6mm	172	196
2 AWG (9329/40) 35,0mm2 60202**	1	.591" / 15.0mm	247	272
1 AWG (12996/40) 50,0mm2 60201**	1	.669" / 17.0mm	344	381
2/0 AWG (8967/38) 70,0mm2 60221**	1	.827" / 21.0mm	483	520
3/0 AWG (12261/38) 95,0mm2 60231**	1	.906" / 23.0mm	657	703

Color Code Chart
00 - Green/Yellow
01 - Black
02 - Blue (RAL5015)
03 - Brown
04 - Red
05 - White
06 - Gray
07 - Violet
08 - Pink
09 - Orange
11 - Yellow
12 - Green
13 - Beige

Insert a 2-digit color code from the Color Code Chart for the ** found at the end of the proper part number. i.e. - 6020802 - SiFF, 8 AWG (10,0mm2) Blue

* Additional AWG sizes and colors may be available.