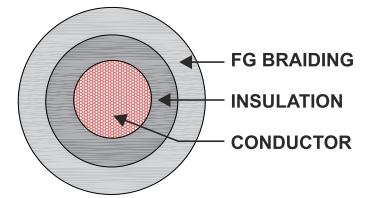




## Silicon Cables

SiF / GL - Silicone Single Core with Glass fibre + lacquering braiding cable



### Application

Suitable where PVC insulated cables become brittle due to high-temperature variations. Silicone-insulated single cores are preferably used in the metallurgical industry, steel works, hot rolling mills, coking plants, foundries, etc.

Insulation consists of silicone rubber. It is resistant to vegetable and animal fat, many types of oil, and diluted acids. No decomposition occurs when exposed to alcohol, alkaline solutions, etc. The insulation is resistant to oxygen and ozone. Should the cable burn, an insulation silicon dioxide layer will remain on the conductor to render it short-circuit-proof. Additional mechanical protection due to the glass fiber braid.

### Properties

Advantages high ignition or flash point resistant to high molecular oils, fats from vegetables and animals, alcohols, plasticizers and clothes, diluted acids, lye and salt dissolution, oxidation substances, tropical influences and weather, lake water, oxygen halogen-free according to DIN VDE 0482 part 267/ EN 50267-2-1/ IEC 60754-1 (equivalent DIN VDE 0472 part 815). Behaviour in fire No flame propagation Test according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B).

### Construction

- Fine strands of tinned copper wire
- Stranding acc. to VDE 0295 class 5
- Core insulation made of silicone rubber
- Glass fibre braiding
- Bending radius : 10 x cable Ø

### Technical Parameter

- Special silicone single conductor cable with higher heat-resistance range adapted to DIN VDE 0250 part 1 and part 502
- Temperature range : -55°C to +180°C
- Short time temp up to : 350°C
- Temperature limit at the conductor in operation +180°C
- Nominal voltage : 300/500 V
- Test voltage : 2 KV
- Minimum bending radius : 10 x cable Ø

### Dimension

Part code	No. of Cores	Conductor cross-section mm <sup>2</sup>	Nominal OD mm	Gross Weight kg/km
1802T010002	1	0.25	2.4	7.9
1802T010005	1	0.5	2.6	12.6
1802T010007	1	0.75	2.9	16
1802T010010	1	1	3	18.4
1802T010015	1	1.5	3.3	23.7
1802T010025	1	2.5	3.9	35.6
1802T010040	1	4	4.7	53.3
1802T010060	1	6	5.7	77.4
1802T010100	1	10	7.5	129.2
1802T010160	1	16	8.9	198.4
1802T010250	1	25	10.8	303
1802T010350	1	35	12.1	413.2
1802T010500	1	50	14.4	577.8

