



Silicone rubber single core, highly flexible

SIFF

Products

Silicone Rubber
Cables

Construction

Conductor: Cu bare, tp, highly flexible
Insulation: SiR E12 to VDE 0282 part 1
Colour: On request

Application

For internal wiring at high ambient temperatures, e.g.

- Lighting
- Domestic appliances
- Instrumentation engineering
- Mechanical engineering

Technical data

Temperature range: - 50 °C up to +180 °C,
Cu bare + 130 °C
short-term + 250 °C

Rated voltage U0/U: 300/500 V
Test voltage: 2000 V
Min. bending radius: 5 x diameter
Insulation resistance: Min. 20 MΩ x km at 20 °C
Halogenfree: To VDE 0472 part 813 and IEC 754-1

Note

→ For increased mechanical stress we offer highly flexible SiR cores with notch resistant insulation and/or increased wall thickness.

cross section [mm²]	single wireØ [mm]	maximum strand diameter [mm]	o.d. [mm] ± 5 %	copper weight [kg/km]	weight approx. [kg/km]
0,25	0,05	0,74	1,8	2,5	6
0,5	0,05	1,05	2,2	5	10
0,75	0,05	1,31	2,4	7,5	12
1	0,05	1,58	2,7	10	16
1,5	0,07	2,0	3,1	15	22
2,5	0,07	2,52	3,8	25	35
4	0,07	3,26	4,7	40	53
6	0,07	3,89	5,2	60	76
10	0,07	5,57	7	100	123
16	0,07	6,83	8,5	160	189
25	0,10	8,82	10,2	255	291
35	0,10	9,66	11,8	360	404

