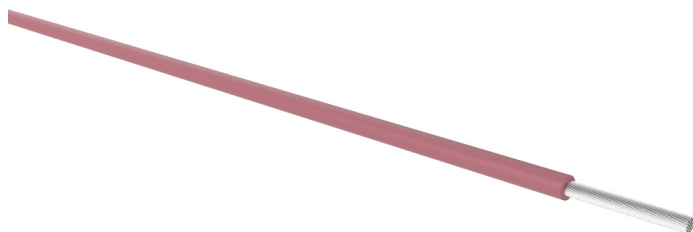


SiF

Silicone insulated wire

DESIGN



- 1 | Tinned copper conductor, fine wire
- 2 | Core insulation (silicone rubber)

APPLICATION

For operation at environment temperatures above 55°C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distributions.

TECHNICAL DATA



Standard:
adapted to DIN VDE 0250



Rated voltage:
300/500 V (U₀/U)



Test voltage:
2 kV / 50 Hz



Temperature range:
operating temperature: -50 °C up to 180 °C
conductor temperature: max. 180 °C
short circuit temperature: max. 350 °C/5 s



Bending radius (min.):
4 x Ø of wire



Fire properties:
EN 60332-1-2: flame retardant

Nominal cross-section (mm ²)	Core colours	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
SiF					
0.5	bk, wh	40.1	2.1	9	100 R
0.75	bk, bn, rd, bu, wh	26.7	2.4	12	100 R
1	bk, rd, bu, wh	20	2.5	14	100 R
1.5	bk, rd, gy, wh, gnye	13.7	2.8	19	100 R
2.5	bk, wh	8.21	3.4	30	100 R
4	bk, bn, rd, bu, wh	5.09	4.2	47	100 R
6	bk, rd, bu, wh, gnye	3.39	4.7	71	100 R
10	bk, bu, wh, gnye	1.95	6.2	119	100 R
16	bk, rd	1.24	7.4	188	100 R
25	bk, gnye	0.795	9.2	290	500 D, 1000 D
35	bk	0.565	10.3	398	500 D, 1000 D
70	bk	0.277	13.8	766	500 D, 1000 D
150	bk	0.132	19.6	1563	500 D, 1000 D
185	bk	0.108	22.4	1858	500 D, 1000 D
240	bk	0.082	25.0	2553	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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