



We Make
Modern Life
Possible



SiA

Silicone insulated wire

SILICONE CABLES

This wire is well suited for internal wiring in lamps, instruments, control panels and distributors for low mechanical stress particularly at high ambient temperatures.



TECHNICAL DATA



Standard
adapted to DIN VDE 0250



Test Voltage
2 kV



Rated Voltage
300/500 V (U₀/U)



Bending radius (min.)
4 x Ø of cable



Fire properties
EN 60332-1-2: flame retardant



Temperature range
Laying temperature: min. -50°C
Operating temperature: -50°C up to 180°C
Conductor temperature: max. 180°C
Short circuit temperature: max. 350°C

DESIGN



| Nominal cross-section (mm ²) | Core colours | Max. conductor resistance (Ω/km) | Outer diameter appr. (mm) | Total weight appr. (kg/km) | Standard lengths/packing (m) |
|--|--------------|----------------------------------|---------------------------|----------------------------|------------------------------|
| 0.5 | sw, ws | 36.7 | 1.8 | 8 | 100 R |
| 0.75 | sw, ws | 24.8 | 2.0 | 10 | 100 R |
| 1 | sw, ws | 18.2 | 2.2 | 13 | 100 R |
| 1.5 | sw, ws | 12.2 | 2.6 | 20 | 100 R |
| 2.5 | sw, ws | 7.56 | 3.2 | 32 | 100 R |
| 4 | sw, ws | 4.7 | 3.7 | 48 | 100 R |
| 6 | sw, rtbr | 3.11 | 4.2 | 68 | 100 R |
| 10 | rtbr | 1.84 | 5.9 | 116 | 100 R |

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