



SOLID SILICONE SINGLE-CORE WIRE

EN 50525-2-41

16 orderable sizes

STANDARD EN 50525-2-41	VOLTAGE CLASS 300/500 V or 0.6/1 kV	TEMPERATURE CLASS -60 °C to +180 °C fixed service
CONDUCTOR Class 1 solid tinned copper conductor	INSULATION / JACKET Silicone rubber covering	

Construction

- 1 ■ **Conductor** – Class 1 solid tinned copper conductor · 475 × Ø0.5 mm · IEC 60228 cl.5
- 2 ■ **Insulation** – Silicone rubber insulation

Size selection — all available cross-sections

Cable reference	Silicone cable duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
SIA 300/500 V Fixed silicone equipment wiring 1 core 0.5 mm ²	Fixed silicone equipment wiring	1 core	0.5 mm ²	300/500 V	37.1 Ω/km	5.0 mm	0.17 kg/m
SIA 300/500 V Fixed silicone equipment wiring 1 core 0.75 mm ²	Fixed silicone equipment wiring	1 core	0.75 mm ²	300/500 V	24.7 Ω/km	5.2 mm	0.17 kg/m
SIA 300/500 V Fixed silicone equipment wiring 1 core 1.0 mm ²	Fixed silicone equipment wiring	1 core	1.0 mm ²	300/500 V	18.5 Ω/km	5.4 mm	0.17 kg/m
SIA 300/500 V Fixed silicone equipment wiring 1 core 1.5 mm ²	Fixed silicone equipment wiring	1 core	1.5 mm ²	300/500 V	12.7 Ω/km	5.7 mm	0.18 kg/m
SIA 300/500 V Fixed silicone equipment wiring 1 core 2.5 mm ²	Fixed silicone equipment wiring	1 core	2.5 mm ²	300/500 V	7.6 Ω/km	6.1 mm	0.19 kg/m
SIA 300/500 V Fixed silicone equipment wiring 1 core 4 mm ²	Fixed silicone equipment wiring	1 core	4 mm ²	300/500 V	4.7 Ω/km	6.7 mm	0.20 kg/m
SIA 300/500 V Fixed silicone equipment wiring 1 core 6 mm ²	Fixed silicone equipment wiring	1 core	6 mm ²	300/500 V	3.1 Ω/km	7.3 mm	0.23 kg/m

Cable reference	Silicone cable duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 10 mm²	Fixed silicone equipment wiring	1 core	10 mm ²	0.6/1 kV	1.83 Ω/km	8.3 mm	0.27 kg/m
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 16 mm²	Fixed silicone equipment wiring	1 core	16 mm ²	0.6/1 kV	1.15 Ω/km	9.4 mm	0.34 kg/m
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 25 mm²	Fixed silicone equipment wiring	1 core	25 mm ²	0.6/1 kV	0.727 Ω/km	10.8 mm	0.43 kg/m
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 35 mm²	Fixed silicone equipment wiring	1 core	35 mm ²	0.6/1 kV	0.524 Ω/km	12.0 mm	0.54 kg/m
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 50 mm²	Fixed silicone equipment wiring	1 core	50 mm ²	0.6/1 kV	0.387 Ω/km	13.5 mm	0.71 kg/m
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 70 mm²	Fixed silicone equipment wiring	1 core	70 mm ²	0.6/1 kV	0.268 Ω/km	15.3 mm	0.93 kg/m
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 95 mm²	Fixed silicone equipment wiring	1 core	95 mm ²	0.6/1 kV	0.193 Ω/km	17.2 mm	1.21 kg/m
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 120 mm²	Fixed silicone equipment wiring	1 core	120 mm ²	0.6/1 kV	0.153 Ω/km	18.8 mm	1.48 kg/m
SIA 0.6/1 kV Fixed silicone equipment wiring 1 core 150 mm²	Fixed silicone equipment wiring	1 core	150 mm ²	0.6/1 kV	0.123 Ω/km	20.5 mm	1.81 kg/m