



FLEXIBLE SILICONE SINGLE-CORE WIRE

EN 50525-2-41

21 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 5 flexible tinned copper conductor	INSULATION / JACKET Flexible silicone rubber covering	

Construction

- 1 ■ **Conductor** – Class 5 flexible tinned copper conductor · 360 × Ø0.5 mm · IEC 60228 cl.5
- 2 ■ **Insulation** – Flexible 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
SIAF 300/500 V Flexible silicone equipment wiring 1 core 0.25 mm ²	Flexible silicone equipment wiring	1 core	0.25 mm ²	300/500 V	74.0 Ω/km	4.7 mm	0.16 kg/m
SIAF 300/500 V Flexible silicone equipment wiring 1 core 0.35 mm ²	Flexible silicone equipment wiring	1 core	0.35 mm ²	300/500 V	52.0 Ω/km	4.8 mm	0.16 kg/m
SIAF 300/500 V Flexible silicone equipment wiring 1 core 0.5 mm ²	Flexible silicone equipment wiring	1 core	0.5 mm ²	300/500 V	37.1 Ω/km	5.0 mm	0.17 kg/m
SIAF 300/500 V Flexible silicone equipment wiring 1 core 0.75 mm ²	Flexible silicone equipment wiring	1 core	0.75 mm ²	300/500 V	24.7 Ω/km	5.2 mm	0.17 kg/m
SIAF 300/500 V Flexible silicone equipment wiring 1 core 1.0 mm ²	Flexible silicone equipment wiring	1 core	1.0 mm ²	300/500 V	18.5 Ω/km	5.4 mm	0.17 kg/m
SIAF 300/500 V Flexible silicone equipment wiring	Flexible silicone	1 core	1.5 mm ²	300/500 V	12.7 Ω/km	5.7 mm	0.18 kg/m

Cable reference	Silicone cable duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
1 core 1.5 mm ²	equipment wiring						
SIAF 300/500 V Flexible silicone equipment wiring 1 core 2.5 mm²	Flexible silicone equipment wiring	1 core	2.5 mm ²	300/500 V	7.6 Ω/km	6.1 mm	0.19 kg/m
SIAF 300/500 V Flexible silicone equipment wiring 1 core 4 mm²	Flexible silicone equipment wiring	1 core	4 mm ²	300/500 V	4.7 Ω/km	6.7 mm	0.20 kg/m
SIAF 300/500 V Flexible silicone equipment wiring 1 core 6 mm²	Flexible silicone equipment wiring	1 core	6 mm ²	300/500 V	3.1 Ω/km	7.3 mm	0.23 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 10 mm²	Flexible silicone equipment wiring	1 core	10 mm ²	0.6/1 kV	1.83 Ω/km	8.3 mm	0.27 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 16 mm²	Flexible silicone equipment wiring	1 core	16 mm ²	0.6/1 kV	1.15 Ω/km	9.4 mm	0.34 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 25 mm²	Flexible silicone equipment wiring	1 core	25 mm ²	0.6/1 kV	0.727 Ω/km	10.8 mm	0.43 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 35 mm²	Flexible silicone equipment wiring	1 core	35 mm ²	0.6/1 kV	0.524 Ω/km	12.0 mm	0.54 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 50 mm²	Flexible silicone equipment wiring	1 core	50 mm ²	0.6/1 kV	0.387 Ω/km	13.5 mm	0.71 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 70 mm²	Flexible silicone equipment wiring	1 core	70 mm ²	0.6/1 kV	0.268 Ω/km	15.3 mm	0.93 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 95 mm²	Flexible silicone equipment wiring	1 core	95 mm ²	0.6/1 kV	0.193 Ω/km	17.2 mm	1.21 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 120 mm²	Flexible silicone equipment wiring	1 core	120 mm ²	0.6/1 kV	0.153 Ω/km	18.8 mm	1.48 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring	Flexible silicone	1 core	150 mm ²	0.6/1 kV	0.123 Ω/km	20.5 mm	1.81 kg/m

Cable reference	Silicone cable duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
1 core 150 mm ²	equipment wiring						
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 185 mm²	Flexible silicone equipment wiring	1 core	185 mm ²	0.6/1 kV	0.100 Ω/km	22.4 mm	2.19 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 240 mm²	Flexible silicone equipment wiring	1 core	240 mm ²	0.6/1 kV	0.077 Ω/km	24.9 mm	2.80 kg/m
SIAF 0.6/1 kV Flexible silicone equipment wiring 1 core 300 mm²	Flexible silicone equipment wiring	1 core	300 mm ²	0.6/1 kV	0.062 Ω/km	27.4 mm	3.46 kg/m

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