



GLASS BRAIDED SILICONE SINGLE-CORE CABLE

EN 50525-2-41

12 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 Fibre glass braid outer covering	

Construction

- 1 **Conductor** – Class 5 flexible tinned copper conductor · 24 × Ø0.2 mm · IEC 60228 cl.5
- 2 **Insulation** – Silicone rubber insulation
- 3 **Shield** – Braid shield (C)
- 4 **Sheath** – Fibre glass braid outer covering

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-GL 300/500 V Abrasion-protected silicone wiring 1 core 0.5 mm ²	Abrasion-protected silicone wiring	1 core	0.5 mm ²	300/500 V	37.1 Ω/km	5.6 mm	0.33 kg/m
SIAF-GL 300/500 V Abrasion-protected silicone wiring 1 core 0.75 mm ²	Abrasion-protected silicone wiring	1 core	0.75 mm ²	300/500 V	24.7 Ω/km	5.8 mm	0.33 kg/m
SIAF-GL 300/500 V Abrasion-protected silicone wiring 1 core 1.0 mm ²	Abrasion-protected silicone wiring	1 core	1.0 mm ²	300/500 V	18.5 Ω/km	6.0 mm	0.33 kg/m
SIAF-GL 300/500 V Abrasion-protected silicone wiring 1 core 1.5 mm ²	Abrasion-protected silicone wiring	1 core	1.5 mm ²	300/500 V	12.7 Ω/km	6.3 mm	0.34 kg/m
SIAF-GL 300/500 V Abrasion-protected	Abrasion-protected	1 core	2.5 mm ²	300/500 V	7.6 Ω/km	6.7 mm	0.35 kg/m

Cable reference	Silicone cable duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
silicone wiring 1 core 2.5 mm ²	silicone wiring						
SIAF-GL 300/500 V Abrasion-protected silicone wiring 1 core 4 mm²	Abrasion-protected silicone wiring	1 core	4 mm ²	300/500 V	4.7 Ω/km	7.3 mm	0.36 kg/m
SIAF-GL 300/500 V Abrasion-protected silicone wiring 1 core 6 mm²	Abrasion-protected silicone wiring	1 core	6 mm ²	300/500 V	3.1 Ω/km	7.9 mm	0.39 kg/m
SIAF-GL 0.6/1 kV Abrasion-protected silicone wiring 1 core 10 mm²	Abrasion-protected silicone wiring	1 core	10 mm ²	0.6/1 kV	1.83 Ω/km	8.9 mm	0.43 kg/m
SIAF-GL 0.6/1 kV Abrasion-protected silicone wiring 1 core 16 mm²	Abrasion-protected silicone wiring	1 core	16 mm ²	0.6/1 kV	1.15 Ω/km	10.0 mm	0.50 kg/m
SIAF-GL 0.6/1 kV Abrasion-protected silicone wiring 1 core 25 mm²	Abrasion-protected silicone wiring	1 core	25 mm ²	0.6/1 kV	0.727 Ω/km	11.4 mm	0.59 kg/m
SIAF-GL 0.6/1 kV Abrasion-protected silicone wiring 1 core 35 mm²	Abrasion-protected silicone wiring	1 core	35 mm ²	0.6/1 kV	0.524 Ω/km	12.6 mm	0.70 kg/m
SIAF-GL 0.6/1 kV Abrasion-protected silicone wiring 1 core 50 mm²	Abrasion-protected silicone wiring	1 core	50 mm ²	0.6/1 kV	0.387 Ω/km	14.1 mm	0.87 kg/m