



**SILICONE SINGLE-CORE HEAT-RESISTANT CABLE**

**EN 50525-2-41**

**16 orderable sizes**

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

**Construction**

- 1 ■ **Conductor** – Class 1 solid plain or tinned copper conductor · 1 × Ø1.78 mm · IEC 60228 cl.1
- 2 ■ **Insulation** – Silicone rubber insulation

**Size selection — all available cross-sections**

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 0.5 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	5.0 mm	0.17 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 0.75 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	5.2 mm	0.17 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 1.0 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	5.4 mm	0.17 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 1.5 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	5.7 mm	0.18 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 2.5 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	6.1 mm	0.19 kg/m

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 4 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	4 mm <sup>2</sup>	300/500 V	4.7 Ω/km	6.7 mm	0.20 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 6 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	6 mm <sup>2</sup>	300/500 V	3.1 Ω/km	7.3 mm	0.23 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 10 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	10 mm <sup>2</sup>	300/500 V	1.83 Ω/km	8.3 mm	0.27 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 16 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	16 mm <sup>2</sup>	300/500 V	1.15 Ω/km	9.4 mm	0.34 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 25 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	25 mm <sup>2</sup>	300/500 V	0.727 Ω/km	10.8 mm	0.43 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 35 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	35 mm <sup>2</sup>	300/500 V	0.524 Ω/km	12.0 mm	0.54 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 50 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	50 mm <sup>2</sup>	300/500 V	0.387 Ω/km	13.5 mm	0.71 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 70 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	70 mm <sup>2</sup>	300/500 V	0.268 Ω/km	15.3 mm	0.93 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 95 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	95 mm <sup>2</sup>	300/500 V	0.193 Ω/km	17.2 mm	1.21 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 120 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	120 mm <sup>2</sup>	300/500 V	0.153 Ω/km	18.8 mm	1.48 kg/m
SIA 300/500 V Fixed high-temperature equipment wiring 1 core 150 mm <sup>2</sup>	Fixed high-temperature equipment wiring	1 core	150 mm <sup>2</sup>	300/500 V	0.123 Ω/km	20.5 mm	1.81 kg/m