



CONTINUOUS-FLEX HIGH-TEMPERATURE SILICONE CABLE

Continuous-flex silicone cable reference

30 orderable sizes

STANDARD Continuous-flex silicone cable reference	VOLTAGE CLASS 1000 V	TEMPERATURE CLASS Up to +180 °C continuous-flex service
CONDUCTOR Extra fine tinned copper conductor	INSULATION / JACKET High-flex silicone outer sheath	

Construction

- 1 ■ **Conductor (per core)** – Extra fine tinned copper conductor · 16 × Ø0.2 mm · IEC 60228 cl.5
- 2 ■ **Core insulation** – Notch-resistant silicone core insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Sheath** – High-flex silicone outer sheath

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
S180 HT 1000 V High-temperature moving cable route 2 core 0.5 mm ²	High-temperature moving cable route	2 core	0.5 mm ²	1000 V	37.1 Ω/km	8.3 mm	0.17 kg/m
S180 HT 1000 V High-temperature moving cable route 2 core 0.75 mm ²	High-temperature moving cable route	2 core	0.75 mm ²	1000 V	24.7 Ω/km	8.6 mm	0.18 kg/m
S180 HT 1000 V High-temperature moving cable route 2 core 1.0 mm ²	High-temperature moving cable route	2 core	1.0 mm ²	1000 V	18.5 Ω/km	8.8 mm	0.18 kg/m
S180 HT 1000 V High-temperature moving cable route 2 core 1.5 mm ²	High-temperature moving cable route	2 core	1.5 mm ²	1000 V	12.7 Ω/km	9.1 mm	0.19 kg/m
S180 HT 1000 V High-temperature moving cable route 2 core 2.5 mm ²	High-temperature	2 core	2.5 mm ²	1000 V	7.6 Ω/km	9.6 mm	0.21 kg/m

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
	moving cable route						
S180 HT 1000 V High-temperature moving cable route 3 core 0.5 mm²	High-temperature moving cable route	3 core	0.5 mm ²	1000 V	37.1 Ω/km	9.0 mm	0.18 kg/m
S180 HT 1000 V High-temperature moving cable route 3 core 0.75 mm²	High-temperature moving cable route	3 core	0.75 mm ²	1000 V	24.7 Ω/km	9.2 mm	0.18 kg/m
S180 HT 1000 V High-temperature moving cable route 3 core 1.0 mm²	High-temperature moving cable route	3 core	1.0 mm ²	1000 V	18.5 Ω/km	9.4 mm	0.19 kg/m
S180 HT 1000 V High-temperature moving cable route 3 core 1.5 mm²	High-temperature moving cable route	3 core	1.5 mm ²	1000 V	12.7 Ω/km	9.8 mm	0.21 kg/m
S180 HT 1000 V High-temperature moving cable route 3 core 2.5 mm²	High-temperature moving cable route	3 core	2.5 mm ²	1000 V	7.6 Ω/km	10.3 mm	0.24 kg/m
S180 HT 1000 V High-temperature moving cable route 4 core 0.5 mm²	High-temperature moving cable route	4 core	0.5 mm ²	1000 V	37.1 Ω/km	9.6 mm	0.18 kg/m
S180 HT 1000 V High-temperature moving cable route 4 core 0.75 mm²	High-temperature moving cable route	4 core	0.75 mm ²	1000 V	24.7 Ω/km	9.8 mm	0.19 kg/m
S180 HT 1000 V High-temperature moving cable route 4 core 1.0 mm²	High-temperature moving cable route	4 core	1.0 mm ²	1000 V	18.5 Ω/km	10.0 mm	0.20 kg/m
S180 HT 1000 V High-temperature moving cable route 4 core 1.5 mm²	High-temperature moving cable route	4 core	1.5 mm ²	1000 V	12.7 Ω/km	10.3 mm	0.23 kg/m
S180 HT 1000 V High-temperature moving cable route 4 core 2.5 mm²	High-temperature moving cable route	4 core	2.5 mm ²	1000 V	7.6 Ω/km	10.9 mm	0.27 kg/m
S180 HT 1000 V High-temperature moving cable route 5 core 0.5 mm²	High-temperature moving cable route	5 core	0.5 mm ²	1000 V	37.1 Ω/km	10.1 mm	0.19 kg/m
S180 HT 1000 V High-temperature moving cable	High-temperature	5 core	0.75 mm ²	1000 V	24.7 Ω/km	10.3 mm	0.20 kg/m

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
route 5 core 0.75 mm ²	moving cable route						
S180 HT 1000 V High-temperature moving cable route 5 core 1.0 mm²	High-temperature moving cable route	5 core	1.0 mm ²	1000 V	18.5 Ω/km	10.5 mm	0.21 kg/m
S180 HT 1000 V High-temperature moving cable route 5 core 1.5 mm²	High-temperature moving cable route	5 core	1.5 mm ²	1000 V	12.7 Ω/km	10.8 mm	0.24 kg/m
S180 HT 1000 V High-temperature moving cable route 5 core 2.5 mm²	High-temperature moving cable route	5 core	2.5 mm ²	1000 V	7.6 Ω/km	11.4 mm	0.30 kg/m
S180 HT 1000 V High-temperature moving cable route 7 core 0.5 mm²	High-temperature moving cable route	7 core	0.5 mm ²	1000 V	37.1 Ω/km	10.9 mm	0.20 kg/m
S180 HT 1000 V High-temperature moving cable route 7 core 0.75 mm²	High-temperature moving cable route	7 core	0.75 mm ²	1000 V	24.7 Ω/km	11.2 mm	0.22 kg/m
S180 HT 1000 V High-temperature moving cable route 7 core 1.0 mm²	High-temperature moving cable route	7 core	1.0 mm ²	1000 V	18.5 Ω/km	11.4 mm	0.24 kg/m
S180 HT 1000 V High-temperature moving cable route 7 core 1.5 mm²	High-temperature moving cable route	7 core	1.5 mm ²	1000 V	12.7 Ω/km	11.7 mm	0.28 kg/m
S180 HT 1000 V High-temperature moving cable route 7 core 2.5 mm²	High-temperature moving cable route	7 core	2.5 mm ²	1000 V	7.6 Ω/km	12.2 mm	0.35 kg/m
S180 HT 1000 V High-temperature moving cable route 12 core 0.5 mm²	High-temperature moving cable route	12 core	0.5 mm ²	1000 V	37.1 Ω/km	12.6 mm	0.23 kg/m
S180 HT 1000 V High-temperature moving cable route 12 core 0.75 mm²	High-temperature moving cable route	12 core	0.75 mm ²	1000 V	24.7 Ω/km	12.9 mm	0.26 kg/m
S180 HT 1000 V High-temperature moving cable route 12 core 1.0 mm²	High-temperature moving cable route	12 core	1.0 mm ²	1000 V	18.5 Ω/km	13.1 mm	0.29 kg/m
S180 HT 1000 V High-temperature moving cable	High-temperature	12 core	1.5 mm ²	1000 V	12.7 Ω/km	13.4 mm	0.36 kg/m

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
route 12 core 1.5 mm ²	moving cable route						
S180 HT 1000 V High-temperature moving cable route 12 core 2.5 mm ²	High-temperature moving cable route	12 core	2.5 mm ²	1000 V	7.6 Ω/km	13.9 mm	0.49 kg/m

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