



TRACKSIDE ALUMINIUM POWER CABLE

BR880

21 orderable sizes

STANDARD BR880	VOLTAGE CLASS 600/1000 V	TEMPERATURE CLASS 90 °C conductor guide
CONDUCTOR Class 1 sector shaped aluminium conductor	INSULATION / JACKET Robust PVC or LSZH railway outer sheath	

Construction

- 1 Conductor (per core) – Class 1 sector shaped aluminium conductor · 7 × Ø2.52 mm · IEC 60228 cl.2
- 2 Core insulation – XLPE or PVC power insulation
- 3 Filler – PP filler
- 4 Sheath – Robust PVC or LSZH railway outer sheath

Size selection — all available cross-sections

Cable reference	Railway duty	Installation zone	Cable design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 2 core 16 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 2 core	16 mm ²	600/1000 V	1.89 Ω/km	17.1 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 2 core 25 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 2 core	25 mm ²	600/1000 V	1.21 Ω/km	19.1 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 2 core 35 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 2 core	35 mm ²	600/1000 V	0.866 Ω/km	21.0 mm
BR880 trackside power cable 600/1000 V	Trackside signalling	Trackside signalling	BR880 sector	50 mm ²	600/1000 V	0.606 Ω/km	23.4 mm

Cable reference	Railway duty	Installation zone	Cable design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
Trackside signalling power BR880 sector shaped aluminium 2 core 50 mm ²	power	power route	shaped aluminium 2 core				
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 2 core 70 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 2 core	70 mm ²	600/1000 V	0.433 Ω/km	26.0 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 2 core 95 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 2 core	95 mm ²	600/1000 V	0.319 Ω/km	28.9 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 2 core 120 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 2 core	120 mm ²	600/1000 V	0.253 Ω/km	31.3 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 3 core 16 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 3 core	16 mm ²	600/1000 V	1.89 Ω/km	17.6 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 3 core 25 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 3 core	25 mm ²	600/1000 V	1.21 Ω/km	19.6 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 3 core 35 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 3 core	35 mm ²	600/1000 V	0.866 Ω/km	21.5 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 3 core 50 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 3 core	50 mm ²	600/1000 V	0.606 Ω/km	23.9 mm

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BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 3 core 120 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 3 core	120 mm ²	600/1000 V	0.253 Ω/km	31.8 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 4 core 16 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 4 core	16 mm ²	600/1000 V	1.89 Ω/km	18.0 mm
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 4 core 25 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 4 core	25 mm ²	600/1000 V	1.21 Ω/km	20.1 mm
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Trackside signalling power BR880 sector shaped aluminium 4 core 95 mm ²	power	power route	shaped aluminium 4 core				
BR880 trackside power cable 600/1000 V Trackside signalling power BR880 sector shaped aluminium 4 core 120 mm ²	Trackside signalling power	Trackside signalling power route	BR880 sector shaped aluminium 4 core	120 mm ²	600/1000 V	0.253 Ω/km	32.3 mm

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