BR880 Aluminium XLPE / PVC Power Cable

Eland Product Group: A3T

APPLICATION

BR880 solid sector shaped conductors for trackside signalling power supplies.

CHARACTERISTICS

Voltage Rating Uo/U
0.6/1kV

Temperature Rating
BS 6346: +70°C
BS 5467: +90°C

Limited Use
Distribution of signalling power only
(Not suitable for general signalling use)

CONSTRUCTION

Conductor
Class 1 sector shaped solid aluminium conductor

Insulation
XLPE (Cross-Linked Polyethylene) or
PVC (Polyvinyl Chloride)

Overall Screen
Al/PET (Aluminium/Polyester Tape)

Seperator
PET (Polyester Tape)

Sheath
PVC (Polyvinyl Chloride)

Core Identification
2 cores: Brown Blue
4 cores: Blue Brown Black Grey

Sheath Colour
Black

STANDARDS

BR880

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.

SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability

REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

DIMENSIONS

ELAND PART NO.	NETWORK RAIL PART NO. / PADS	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3TR016ALI	006/142419	2	16	1	1.8	14.3	420
A3TR025ALI	006/142519	2	25	1.2	1.8	16.6	455
A3TR035ALI	006/142609	2	35	1.2	1.8	18	525
A3TR050ALI	006/142629	2	50	1.4	1.8	20.4	620
A3TR070ALI	006/142639	2	70	1.4	1.9	22.8	840
A3TR0295ALI	006/142644	2	95	1.6	2	26.2	1020
A3TR0470ALI	006/151469	4	70	1.4	2	30.6	1750
A3TR0495ALI	006/151494	4	95	1.6	2.2	35.5	2100
A3TR04120ALI	006/166820	4	120	1.2	2.3	48.0	2300

CONDUCTORS

Class 1 Solid Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm²	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	Aluminium and Aluminium Alloy Conductors
	Circular or Shaped
16	1.91
25	1.2
35	0.868
50	0.641
70	0.443
95	0.32
120	0.253

The above table is in accordance with BS EN 60228 (previously BS 6360)

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