NR/PS/SIG/00005
Signalling Type A1, A2, A3, A4 Cable

Eland Product Group: A9R

APPLICATION

Light duty LSZH sheathed single and multi-core generally for internal use. Smooth sheath suitable for installation in ducting.

CHARACTERISTICS

Voltage Rating Uo/U
6.5/1.1kV

Temperature Rating
-25°C to +85°C

CONSTRUCTION

Conductor
Class 2 stranded tinned conductor

Insulation
LSZH (Low Smoke Zero Halogen) or
EPR (Ethylene Propylene Rubber) composite

Separator
PET (Polyethylene Terephthalate)

Sheath
LSZH (Low Smoke Zero Halogen)

Sheath Colour
● Black
0.75mm² available in ● Violet ● Red ● Orange ● Grey
● Brown ● Blue ● Green ● Yellow
1.15mm² available in ● Blue ● Green ● Yellow

CABLE THIRD-PARTY ACCREDITATION

Network Rail (NR) certified and PADS listed as meeting the requirements for installation within their network

STANDARDS

NR/PS/SIG/00005, BS EN 60754-1, BS EN 60754-2, BS EN 60228,

Flame Retardant according to BS EN / IEC 60332-1-2

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	CABLE TYPE	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	MINIMUM THICKNESS OF SHEATH mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5RA1010075BL	006/120001	A1 (Blue)	1	0.75	0.7	2.7	3.2	16
A5RA1010075BR	006/120002	A1 (Brown)	1	0.75	0.7	2.7	3.2	16
A5RA1010075RD	006/120003	A1 (Red)	1	0.75	0.7	2.7	3.2	16
A5RA1010075OR	006/120004	A1 (Orange)	1	0.75	0.7	2.7	3.2	16
A5RA1010075GR	006/120005	A1 (Grey)	1	0.75	0.7	2.7	3.2	16
A5RA1010075VI	006/120006	A1 (Violet)	1	0.75	0.7	2.7	3.2	16
A5RA1010075	006/120007	A1 (Black)	1	0.75	0.7	2.7	3.2	16
A5RA10015	006/120008	A1 (Black)	1	1.15	0.7	2.9	3.6	20
A5RA2010075	006/120020	A2	1	0.75	0.7	4	5	30
A5RA2010075BL	006/120021	A2 (Blue)	1	0.75	0.7	4	5	30
A5RA2010075GN	006/120022	A2 (Green)	1	0.75	0.7	4	5	30
A5RA2010075YW	006/120023	A2 (Yellow)	1	0.75	0.7	4	5	30
A5RA2010015	006/120024	A2	1	1.15	0.7	4.3	5.3	35
A5RA2010015BL	006/120025	A2 (Blue)	1	1.15	0.7	4.3	5.3	35
A5RA2010015GN	006/120026	A2 (Green)	1	1.15	0.7	4.3	5.3	35
A5RA2010015YW	006/120027	A2 (Yellow)	1	1.15	0.7	4.3	5.3	35
A5RA3020075	006/120040	A3	2	0.75	0.9	6.7	8.8	67
A5RA3040075	006/120041	A3	4	0.75	1	8	10.4	108
A5RA3060075	006/120042	A3	6	0.75	1.1	9.7	12.5	160
A5RA310075	006/120043	A3	10	0.75	1.2	12.6	16.1	259
A5RA314075	006/120044	A3	14	0.75	1.3	13.8	17.7	495
A5RA336075	006/120045	A3	36	0.75	1.6	21.6	26.9	752
A5RA348075	006/120046	A3	48	0.75	1.6	24.3	30.7	963
A5RA402075	006/120050	A4	2 + E	0.75	1	7.4	7.8	80
A5RA402025	006/120051	A4	2 + E	2.5	1.1	10.1	10.5	145

CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm²	MINIMUM NO. OF WIRES IN CONDUCTOR						MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	Circular		Circular Compacted		Shaped		Annealed Copper Conductor
	Cu	Al	Cu	Al	Cu	Al	Metal-Coated Wires
0.75	7	-	-	-	-	-	24.8
1.15*	-	-	-	-	-	-	17.3
2.5	7	-	6	-	-	-	7.56

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

*16/0.3mm²

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