



NR/PS/SIG/00005 Signalling Type E1, E2, E3 Cable



Eland Product Group: A5R

APPLICATION

Type E LSZH signalling cable suitable for tails.

CHARACTERISTICS

Voltage Rating Uo/U
6.5/1.1kV

Temperature Rating
-25°C to +85°C

CONSTRUCTION

Conductor
Class 5 tinned conductor

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

Drain Wire
Type E3 only

Screen (E3 only)
AL (Aluminium Tape)

Separator
PET (Polyethylene Terephthalate)

Sheath
LSZH (Low Smoke Zero Halogen)

Sheath Colour
● Black

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 60228, BS EN 60754-1

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

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NETWORK RAIL PART NO. / PADS	CABLE TYPE	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	MINIMUM THICKNESS OF SHEATH mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5RE10025	006/120172	E1	1	2.5	3.8	11.2	14	174
A5RE202025	006/120170	E2	2	2.5	3.8	14.9	18.8	359
A5RE204025	006/120171	E2	4	2.5	3.8	16.4	20.9	445
A5RE207025	006/120173	E2	7	2.5	3.8	18.7	23.7	590
A5RE210025	006/120174	E2	10	2.5	3.8	22.5	28.6	784
A5RE212025	006/120175	E2	12	2.5	3.8	23.2	29.3	868
A5RE302025	006/160090	E3	2 + Drain	2.5	3.8	15	20	341

CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM NO. OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Metal-Coated Wires
2.5	0.26	8.21

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

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.