



# NR/PS/SIG/00005 Signalling Type C1, C2, C3 Cable



Eland Product Group: A5R

## APPLICATION

Heavy duty 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**  
EPR (Ethylene Propylene Rubber)

**Drain Wire**  
Type C3 only

**Screen (C3 only)**  
AL (Aluminium Tape)

**Separator**  
PET (Polyethylene Terephthalate)

**Sheath**  
HDPCP (Heavy Duty Polychloroprene)

**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

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

## THE CABLE LAB<sup>®</sup>

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](http://www.elandcables.com/company/about-us/esg-sustainability)



## 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<sup>®</sup> as meeting the requirements of the BSI RoHS Trusted Kitemark<sup>™</sup>.





## DIMENSIONS

ELAND PART NO.	NETWORK RAIL PART NO. / PADS	CABLE TYPE	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MINIMUM THICKNESS OF SHEATH mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5RC101025	006/120130	C1	1	2.5	3.8	11.2	14	174
A5RC202025	006/120140	C2	2	2.5	3.8	14.9	18.8	338
A5RC204025	006/120141	C2	4	2.5	3.8	16.4	20.9	450
A5RC207025	006/120142	C2	7	2.5	3.8	18.7	23.7	612
A5RC210025	006/120143	C2	10	2.5	3.8	22.5	28.6	836
A5RC2060075/6PR	006/120120	C2	6 x 2	0.75	3.8	23.2	29.3	868
A5RC212025	006/120144	C2	12	2.5	3.8	23.2	29.3	909
A5RC216025	006/120145	C2	16	2.5	3.8	25.3	32	985
A5RC010025NR	006/160086	C3	2 + Drain	2.5	3.8	15	20	341

## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM NO. OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Metal-Coated Wires
0.75	0.4	26.7
2.5	0.26	8.21

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