



NR/PS/TEL/00014 Armoured Fibre Trackside Cable



Eland Product Group: A8T

APPLICATION

Armoured fibre communications cable for use in high traffic and data rate requirements.

CHARACTERISTICS

Temperature Rating

Operating: -20°C to +60°C

Transport and storage: -40°C to +70°C

Installation: -30°C to +60°C

Minimum Bending Radius

12 x overall diameter

CONSTRUCTION

Fibre

Step-index single-mode fibre

Fibre Carrier

Loose tube PE (Polyethylene)

Strength Member

Single continuous non-metallic

Water Blocking Compound

Unspecified water blocking material

Separator

PET (Polyethylene Terephthalate)

Bedding

PE (Polyethylene) Type 03C or
LSZH (Low Smoke Zero Halogen)

Armour

Corrugated steel/polymer laminate tape

Sheath

PE (Polyethylene) Type 03C or
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

CABLE STANDARDS

NR/PS/TEL/00014, BS 6234

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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



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 FIBRES	SHEATH	NOMINAL THICKNESS OF CLADDING μm	NO. OF TUBES	FIBRES PER TUBES	OPTICAL ATTENUATION 1290-1330nm dB/km	OPTICAL ATTENUATION 1525-1575nm dB/km	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
6/169063	006/169063	24	PE	125	6	4	0.38	0.22	17.2	280
6/169023	006/169023	48	PE	125	6	8	0.38	0.22	17.2	280
6/169043	006/169043	48	LSZH	125	6	8	0.38	0.22	17.8	430
6/169073	006/169073	24	LSZH	125	6	4	0.38	0.22	17.8	430









FIBRE COLOURING

Fibre Colouring

4 fibres per tube with up to 24 fibres in steps of 4 fibres

FIBRE COLOUR	BLUE 	ORANGE 	GREEN 	BROWN 
FIBRE NO.	1	2	3	4
	5	6	7	8
	9	10	11	12
	13	14	15	16
	17	18	19	20
	21	22	23	24

8 fibres per tube, cables with 48 or 96 fibres

FIBRE COLOUR	BLUE 	ORANGE 	GREEN 	BROWN 	GREY 	YELLOW 	RED 	VIOLET 
FIBRE NO.	1	2	3	4	5	6	7	8
	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24
	25	26	27	28	29	30	31	32
	33	34	35	36	37	38	39	etc

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.