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

NetworkRail

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

CABLE STANDARDS

NR/PS/TEL/00014, BS 6234

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.

UKAS ISO/IEC 17025 Accredited Testing Laboratory 8578

bsi. ISO 9001 Quality Management FS 672069

ISO 14001 Environmental Management EMS 672067

ISO 45001 Occupational Health and Safety Management OHS 672066

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™.

bsi. RoHS Trusted KITEMARK™ KM 634267

✓RoHS

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