

# 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.

## 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 according to BS 6234 or LSZH (Low Smoke Zero Halogen)

### Armour

Corrugated steel/polymer laminate tape

### Sheath

PE (Polyethylene) Type 03C according to BS 6234 or LSZH (Low Smoke Zero Halogen)

## CABLE STANDARDS

NR/PS/TEL/00014



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

## 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

### Sheath Colour

● Black

## DIMENSIONS

ELAND PART NO.	NETWORK RAIL PART NO. / PADS	NO. OF FIBRES	SHEATH	NOMINAL THICKNESS OF CLADDING µm	NO. OF TUBES	FIBRES PER TUBE	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

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