

# NR/PS/TEL/00014 Fibre Trackside Cable



Eland Product Group: **A8T**

## APPLICATION

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

Water blocking compound

### Separator

PET (Polyethylene Terephthalate)

### 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

NETWORK RAIL PART NO. / PADS	NO. OF FIBRES	NOMINAL THICKNESS OF CLADDING µm	NOMINAL POLYMER TUBE DIAMETER mm	OPTICAL ATTENUATION 1290-1330nm dB/km	OPTICAL ATTENUATION 1525-1575nm dB/km	NOMINAL INNER SHEATH THICKNESS mm	NOMINAL THICKNESS OF SHEATH mm
006/169053	24	125	2.5	0.38	0.22	1.6	2
006/169013	48	125	2.5	0.38	0.22	1.6	2

## COLOURS

## 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