

# Loose Tube Steel Tape Armoured Fibre Optic Cable



Eland Product Group: **FIB**

## APPLICATION

Maximum 24 fibre uni-tube corrugated steel tape armoured cable for indoor or outdoor duct installation or direct burial with full rodent protection.

## CONSTRUCTION

### Fibres

Up to 24 individual coloured fibres type OM1, OM2, OM3, OM4, OS2

### Tube

Gel filled PBT loose tube with optical fibres

### Separator

Water-blocking E-glass yarn

### Rip Cord

### Armour

Corrugated steel tape armour

### Outer Sheath

FR (Fire Retardant) - LSZH (Low Smoke Zero Halogen)  
UV Stable

## CABLE STANDARDS

IEC 60794-1-2/E1A, 60794-1-2/E3, IEC 60794-1-2/E4, IEC 60794-1-2/F1, IEC 60794-1-2/F5, EN 60332-3-10, EN 60332-3-22, EN 50267-1, EN 50267-2-2, EN 50267-2-3, EN 61034-1, EN 61034-2



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

### Installation Temperature Range

-5°C to +50°C

### Operation Temperature Range

-20°C to +70°C

### Storage Temperature Range

-30°C to +70°C

### Minimum Bending Radius

15 x overall diameter - no load

20 x overall diameter - load

### Fibre Identification

● Red, ● Green, ● Blue, ● Yellow, ○ White, ● Grey, ● Brown, ● Violet, ● Turquoise, ● Black, ● Orange, ● Pink

### Sheath Colour

● Black

## DIMENSIONS

ELAND PART NO.	NO. OF STRANDS	NOMINAL SHEATH THICKNESS mm	NOMINAL TUBE DIAMETER mm	STANDARD PUT-UP LENGTH m	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
FIB004***LTTLBK	4	1.2	3	2100/4100 +/- 5%	7.7	84
FIB008*** LTTLBK	8					
FIB012*** LTTLBK	12					
FIB016*** LTTLBK	16					
FIB024*** LTTLBK	24					

\*\*\* either OM1, OM2, OM3, OM4, OS2

## ELECTRICAL CHARACTERISTICS

TENSILE STRENGTH N	CRUSH RESISTANCE N/cm	IMPACT RESISTANCE W/N.m
1500	5000/10	3x/20

## Fibre Types

OM1	Multimode. 62.5/125
OM2	Multimode. 50/125 Gigabit spec (standard)
OM3	Multimode. 50/125 10-Gigabit Spec
OM4	Multimode. 50/125 40-Gigabit Spec
OS2	Singlemode. 9/125 (Also known as 8/125 and 10/125)