



# 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.

## CHARACTERISTICS

### Temperature Range

Installation: -5°C to +50°C  
Operation: -20°C to +70°C  
Storage: -30°C to +70°C

### Minimum Bending Radius

15 x overall diameter - no load  
20 x overall diameter - load

## 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

### Fibre Identification

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

### Sheath Colour

● Black

## 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

## 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.



8578



FS 672069



EMS 672067



OHS 672066

## REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and 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™.



KM E34267





## 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)