

# Loose Tube Internal/External Fibre Optic Cable (max 24F)



ELAND CABLES G

Eland Product Group: FIB

# APPLICATION

Maximum 24 fibre uni-tube nonmetallic cable for indoor or outdoor duct installation with standard 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 OM1, OM2, OM3, OM4, OS2

### Tube

Gel filed PBT loose tube with optical fibres

### Separator

Water-blocking E-glass yarn

### Rip Cord

# 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/E3/E4/F1/F5, EN 60332-1, EN 50267-1, EN 50267-2-2/3, EN 61034-1/2

### THE CABLE LAB<sup>®</sup> AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



# SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



# **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, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.



# 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***LTULBK	4	1.1	3	2100/4100 +/- 5%	5.8	41
FIB008*** LTULBK	8					
FIB012*** LTULBK	12					
FIB016*** LTULBK	16					
FIB024*** LTULBK	24					

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

# ELECTRICAL CHARACTERISTICS

TENSILE STRENGTH	CRUSH RESISTANCE	IMPACT RESISTANCE
N	N/cm	W/N.m
1000	2000/10	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)

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.