Loose Tube Steel Wire Armoured Fibre Optic Cable

Eland Product Group: **FIB**

APPLICATION

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

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

CONSTRUCTION

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

Tube
Gel filed PBT loose tube with optical fibres

Separator
Water-blocking E-glass yarn

Armour
Galvanized steel wire armour

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®

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®.

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DIMENSIONS

ELAND PART NO.	NO. OF STRANDS	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL INNER SHEATH THICKNESS mm	NOMINAL TUBE DIAMETER mm	STANDARD PUT-UP LENGTH m	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
FIB004***LTWLBK	4	1.3	1.1	3	2100/4100 +/- 5%	9.9	180
FIB008*** LTWLBK	8						
FIB012*** LTWLBK	12						
FIB016*** LTWLBK	16						
FIB024*** LTWLBK	24						

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

ELECTRICAL CHARACTERISTICS

TENISLE STRENGTH N	CRUSH RESISTANCE N/cm	IMPACT RESISTANCE W/N.m
4500	4000/10	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)

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