

# Tight Buffered Internal/External Fibre Optic Cable



Eland Product Group: FIB

## APPLICATION

Fibre optic cable for building backbone and horizontal distribution applications, designed to be compact and yet offer excellent tensile performance making it suitable for a wide range of applications. Predominantly designed for internal use, the construction does enable the cable to be used externally too without the need for transition cable joints and is suitable for direct termination.

## CHARACTERISTICS

### Temperature Range

-20°C to +60°C

### Minimum Bending Radius

No load: 15 x overall diameter  
Load: 20 x overall diameter

## CONSTRUCTION

### Fibres

250µm, 900µm fibre type OM1, OM2, OM3, OM4, OS2

### Tight Buffered Coating

Polymer covering

### Strength Members

Aramid yarn

### Dry Water-blocking

Absorbent powder

### Rip Cord

### Outer Sheath

LSZH (Low Smoke Halogen Free) compound UV stable

### Strand Identification

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

13-24 core: as above ring marked

### Sheath Colour

● Black

## STANDARDS

IEC 60794-1

Flame Retardant according to BS EN/IEC 60332-1-2

## 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.



## 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™.





## DIMENSIONS

ELAND PART NO.	NO. OF STRANDS	MAXIMUM TENSILE LOAD N	MINIMUM STATIC BEND mm	MINIMUM DYNAMIC BEND mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
FIB004***TBULBK	4	640	55	80	5	25
FIB008***TBULBK	8	920	65	95	5.9	34
FIB012***TBULBK	12	1100	70	100	6.5	41
FIB016***TBULBK	16	1430	75	113	7.2	47
FIB024***TBULBK	24	1430	85	128	8.3	62

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

## ELECTRICAL CHARACTERISTICS

CRUSH N	CRUSH Nm	TORSION turns/m
2000	15	5

## 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.