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
250um, 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

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF STRANDS</th>
<th>MAXIMUM TENISE LOAD N</th>
<th>MINIMUM STATIC BEND mm</th>
<th>MINIMUM DYNAMIC BEND mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
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<tbody>
<tr>
<td>FIB004***TBULBK</td>
<td>4</td>
<td>640</td>
<td>55</td>
<td>80</td>
<td>5</td>
<td>25</td>
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<tr>
<td>FIB008***TBULBK</td>
<td>8</td>
<td>920</td>
<td>65</td>
<td>95</td>
<td>5.9</td>
<td>34</td>
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<tr>
<td>FIB012***TBULBK</td>
<td>12</td>
<td>1100</td>
<td>70</td>
<td>100</td>
<td>6.5</td>
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<tr>
<td>FIB016***TBULBK</td>
<td>16</td>
<td>1430</td>
<td>75</td>
<td>113</td>
<td>7.2</td>
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<td>FIB024***TBULBK</td>
<td>24</td>
<td>1430</td>
<td>85</td>
<td>128</td>
<td>8.3</td>
<td>62</td>
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*** either OM1, OM2, OM3, OM4, OS2

### ELECTRICAL CHARACTERISTICS

<table>
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<tr>
<th>CRUSH N</th>
<th>CRUSH Nm</th>
<th>TORSION turns/m</th>
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<tr>
<td>2000</td>
<td>15</td>
<td>5</td>
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### FIBRE TYPES

<table>
<thead>
<tr>
<th>FIBRE TYPES</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>OM1</td>
<td>Multimode. 62.5/125</td>
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<tr>
<td>OM2</td>
<td>Multimode. 50/125 Gigabit spec (standard)</td>
</tr>
<tr>
<td>OM3</td>
<td>Multimode. 50/125 10-Gigabit Spec</td>
</tr>
<tr>
<td>OM4</td>
<td>Multimode. 50/125 40-Gigabit Spec</td>
</tr>
<tr>
<td>OS2</td>
<td>Singlemode. 9/125 (Also known as 8/125 and 10/125)</td>
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</table>

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.