**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 TENISLE 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>
</tr>
</thead>
<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>
<td>41</td>
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<td>FIB016***TBULBK</td>
<td>16</td>
<td>1430</td>
<td>75</td>
<td>113</td>
<td>7.2</td>
<td>47</td>
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<tr>
<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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</table>

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

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>CRUSH N</th>
<th>CRUSH Nm</th>
<th>TORSION turns/m</th>
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<tbody>
<tr>
<td>2000</td>
<td>15</td>
<td>5</td>
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</table>

FIBRE TYPES

<table>
<thead>
<tr>
<th>FIBRE TYPE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>OM1</td>
<td>Multimode. 62.5/125</td>
</tr>
<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>
</tr>
</tbody>
</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.