DIAMOND’s BREAK-OUT cabling system is an easy and secure solution to perform fiber optic installations with no need for expensive tools and equipment. The Break-Out trunk cable contains fiber of the customer’s choice. Each fiber is terminated with the connectors requested by the customer. For delivery, DIAMOND’s BREAK-OUT cabling system is well protected in an especially designed packaging, which includes measuring protocols of each channel.

This solution is recommended where...

... no rodent protection is demanded
... the trunk cable is max. 80m long
... preterminated cabling systems are preferred
... you want to save the costs for splicing and measuring equipment
... a manufacturer warranty is desired

FEATURES AND BENEFITS

- Customer-specific cable length available
- Fiber types: MM 50 µm, MM 62.5 µm and SM 9 µm
- Available in a wide assortment of connector styles including: E-2000®, F-3000®, FC, SC, ST™, MT-RJ, ....
- Armored Cable with Pulling-eye (optional)
- Color coding for channel identification
- Supplied as air ring or on reel
- Attenuations test report included

SPECIFICATIONS

Connector: - according to IEEE and ITU Standards
Cord Length: - from 0.5m to 10m available
Cord identification: - according color code Swisscom/DIN/IEC/TIA Standard (int.)
- optional with channel numbering
Cord protection: - optional connecteur protection

<table>
<thead>
<tr>
<th>CABLE TYPE</th>
<th>SM 9 µm</th>
<th>MM 50 µm</th>
<th>MM 62.5 µm</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>max. Insertion Loss (IL)</td>
<td>0.36 (1310nm)</td>
<td>2.7 (850nm)</td>
<td>3.0 (850nm)</td>
<td>dB/km</td>
</tr>
<tr>
<td></td>
<td>0.25 (1550nm)</td>
<td>0.7 (1300nm)</td>
<td>0.7 (1300nm)</td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10 +60*</td>
<td></td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-10 +60*</td>
<td></td>
<td></td>
<td>°C</td>
</tr>
</tbody>
</table>

* May be further limited by cable specifications.

NOTE Please refer to the connector datasheets for performance specifications.
## CABLE SPECIFICATIONS

<table>
<thead>
<tr>
<th>CABLE</th>
<th>BREAK-OUT CABLE</th>
<th>UNITS</th>
<th>TEST CONDITIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of fibers</td>
<td>2 4 6 8 12</td>
<td>Pieces</td>
<td></td>
</tr>
<tr>
<td>Diameter of cable</td>
<td>7.4 7.4 9.0 10.2</td>
<td>mm</td>
<td>EN 60794-1-2 E1</td>
</tr>
<tr>
<td>Tensile Load</td>
<td>1000 1000 1000 1000</td>
<td>N</td>
<td>EN 60794-1-2 E11</td>
</tr>
<tr>
<td>Bend Radius</td>
<td>95 95 120 145 165</td>
<td>mm</td>
<td>EN 60794-1-2 E11</td>
</tr>
<tr>
<td>Crush Resistance</td>
<td>100 100 100 100 100</td>
<td>N/cm</td>
<td>EN 60794-1-2 E3</td>
</tr>
</tbody>
</table>

Cable type: - Indoor applications, up to 12 Fibers (FR/LS0H)
Fiber type: - MM 50µm or MM62.5/125µm
- MM 50µm OM3
- SM 9µm G.652, G.652c, G.652d, G.652e
- SM 9µm G.655

Fiber count: 2/4/6/8/10/12 Fibers (others available upon request)

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### ORDER INFORMATION

![Diagram of Break-Out Cable](image)

**Cord Identification A**
- Color code according to:
  - DIN/IEC 304
  - TIA-598-B
  - Single connector numbered

**Cord Identification B**
- Color code according to:
  - DIN/IEC 304
  - TIA-598-B
  - Single connector numbered

* Leave section B blank if one side of the assembly will be unterminated.
** Color coding and numbering combinations available upon request.