The revos E-2000® connector system provides exceptional optical performance through 2 optical channels in a robust, space-saving design, and is IP65-rated and shock-resistant.

The rugged design makes it particularly suitable for heavy industrial applications requiring long transmission distances, high data rates and reliability in harsh environment.

The revos E-2000® connector can be terminated on most MM and SM cable constructions. It is available with Diamond’s Active Core Alignment with both PC and APC polishing, providing both low insertion and high return loss.

### FEATURES AND BENEFITS
- Robust IP65-rated enclosure
  - Dust-tight and protects against water jets
- Integrated caps and shutters
  - Laser eye safety
- E-2000™ connector with Active Core Alignment
  - Exceptional optical performance
- Easy lever locking

### AVAILABLE TYPES
- Terminated connector
- Connector set, to be terminated using Diamond equipment
- Field assemblable Fusion version available

### SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>MULTIMODE PC</th>
<th>SINGLE MODE 0° PC</th>
<th>SINGLE MODE 8° PC</th>
<th>UNITS</th>
<th>TEST CONDITIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss (IL)</td>
<td>typ. 0.1 max 0.25</td>
<td>typ. 0.1 max 0.25</td>
<td>typ. 0.1 max 0.25</td>
<td>dB</td>
<td>IEC 61300-3-4; ( \lambda = 1300/1550 ) nm</td>
</tr>
<tr>
<td>Insertion Loss (IL)</td>
<td>typ. 0.25 max 0.5</td>
<td>typ. 0.25 max 0.5</td>
<td>typ. 0.25 max 0.5</td>
<td>dB</td>
<td>IEC 61300-3-4; ( \lambda = 1300/1550 ) nm</td>
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<tr>
<td>Return Loss (RL)</td>
<td>typ. 40 min. 50</td>
<td>min. 75*</td>
<td></td>
<td>dB</td>
<td>IEC 61300-3-4; ( \lambda = 1300/1550 ) nm</td>
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<tr>
<td>Repeatability of IL</td>
<td>max. ±0.1</td>
<td></td>
<td></td>
<td>dB</td>
<td>Over service life</td>
</tr>
<tr>
<td>Service life</td>
<td>500 mate/demate cycles</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40/+85**</td>
<td></td>
<td></td>
<td>°C</td>
<td></td>
</tr>
</tbody>
</table>

* Measured with high precision reflectometer
** May be further limited by cable specifications

### ORDER INFORMATION
Please refer to the part numbers provided in the separate P/N list. For assemblies or other configurations, please contact your nearest local Diamond representative or fill in the contact form available on the [www.diamond-fo.com](http://www.diamond-fo.com) website.
CONNECTOR AND BULKHEAD TYPES AND DIMENSIONS

revos E-2000® connector (2 optical channels)
Available types: revos E-2000® PC / APC
Housing material: Cast Zinc, with grey powder coating
Cap material: Metal / White plastic, UL94 V0, UV-resistant

NOTE As standard, Diamond uses colored E-2000® connector bodies and E-2000® mating adapters to identify the fiber type (SM or MM) and ferrule polish (PC or APC). Diamond’s standard connector/adaptor colors are as follows: Beige/Beige for MM PC, Blue/Blue for SM PC, and Green/Green for SM APC. Other colors are available upon request.

revos E-2000® bulkhead (2 optical channels)
Housing material: Cast Zinc, with grey powder coating
Cap material: White plastic, UL94 V0, UV-resistant