ODU offers a wide variety of robust technologies for applications in harsh environments. ODU’s Threaded Connector technologies are especially favored for applications requiring an additional degree of security, or where environmental conditions including temperature, pressure or vibration would be problematic for other interconnect products.

**KEY FEATURES AND CUSTOMER BENEFITS**

- Lightweight, small and easy handling
- Wide temperature range
- Various standard inserts available
- Individual contact configuration available on request
- Reliable data transmission and excellent shielding performance
- System solution – cable assembly and overmoulding

**Tested according MIL STANDARDS**

- EMI SHIELDED
- WATTERTIGHT

**High Vibration Resistant**

- Ratchet Mechanism half turn locking
- Rugged solid construction

**Mechanical Keying**

- COMPACT design
- with matched color code

**Mate Cycles**

- More than MIL spec. connectors

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ODU THREADED CONNECTOR TECHNOLOGY AT A GLANCE

CONTACT CONFIGURATIONS

<table>
<thead>
<tr>
<th>Size</th>
<th>Layout viewed from plug-termination side</th>
<th>Number of contacts</th>
<th>Max. current (a) single contact load</th>
<th>DWV voltage (^1) (VAC)</th>
<th>Max. wire size solder cup</th>
<th>Suitable for</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td><img src="image1.png" alt="Diagram" /></td>
<td>10</td>
<td>5</td>
<td>1200</td>
<td>10 x AWG 22</td>
<td>Signal</td>
</tr>
<tr>
<td></td>
<td><img src="image2.png" alt="Diagram" /></td>
<td>19</td>
<td>2</td>
<td>1000</td>
<td>19 x AWG 26</td>
<td>Signal</td>
</tr>
<tr>
<td></td>
<td><img src="image3.png" alt="Diagram" /></td>
<td>8</td>
<td>5</td>
<td>1200</td>
<td>8 x AWG 22</td>
<td>CAT 5(^2), Gigabit Ethernet(^2)</td>
</tr>
<tr>
<td>3</td>
<td><img src="image4.png" alt="Diagram" /></td>
<td>4</td>
<td>20</td>
<td>1650</td>
<td>4 x AWG 14</td>
<td>Power</td>
</tr>
<tr>
<td></td>
<td><img src="image5.png" alt="Diagram" /></td>
<td>5</td>
<td>30</td>
<td>1350</td>
<td>2 x AWG 12</td>
<td>Power</td>
</tr>
<tr>
<td></td>
<td><img src="image6.png" alt="Diagram" /></td>
<td>3</td>
<td>5</td>
<td>1350</td>
<td>3 x AWG 22</td>
<td>Signal</td>
</tr>
<tr>
<td></td>
<td><img src="image7.png" alt="Diagram" /></td>
<td>18</td>
<td>7</td>
<td>1200</td>
<td>18 x AWG 20</td>
<td>Signal</td>
</tr>
<tr>
<td></td>
<td><img src="image8.png" alt="Diagram" /></td>
<td>26</td>
<td>5</td>
<td>1000</td>
<td>26 x AWG 22</td>
<td>Signal</td>
</tr>
</tbody>
</table>

\(^1\) Consult factory for additional information and options.

\(^2\) These ODU specific connectors can transmit common data transmission protocols such as Ethernet and CAT 5, but they are not Ethernet- or CAT-standard connectors.

2 MECHANICAL (COLOR) CODINGS

All dimensions are in mm. Some figures are for illustrative purposes only. Subject to change without notice. Errors and omissions excepted. We reserve the right to change our products and their technical specifications at any time in the interest of technical improvement. This publication supersedes all prior publications.

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