HELIA® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 0.5 meters

Product Classification

Product Type: Wireless transmission cable assembly
Product Brand: HELIAX®
Product Series: M-LOC

General Specifications

Attachment, Connector A: Factory attached
Attachment, Connector B: Factory attached
Body Style, Connector A: Straight
Body Style, Connector B: Straight
Interface, Connector A: M-LOC Male
Interface, Connector B: 4.3-10 Female
Specification Sheet Revision Level: A

Dimensions

Length: 0.5 m | 1.64 ft
Nominal Size: 1/4 in

Electrical Specifications

3rd Order IMD Dynamic: -119 dBm
3rd Order IMD Dynamic Test Method: Two +43 dBm carriers per IEC 62037

VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000–3000 MHz</td>
<td>1.07</td>
<td>30</td>
</tr>
<tr>
<td>3000–4200 MHz</td>
<td>1.11</td>
<td>26</td>
</tr>
</tbody>
</table>
MLOC-4-F1XM-HF-M5

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Reflection (dB)</th>
<th>Loss (dB/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4200–5000 MHz</td>
<td>1.12</td>
<td>25</td>
</tr>
<tr>
<td>5000–6000 MHz</td>
<td>1.29</td>
<td>18</td>
</tr>
</tbody>
</table>

**Mechanical Specifications**

Minimum Bend Radius, multiple Bends: 25.4 mm | 1 in
Minimum Bend Radius, single Bend: 25.4 mm | 1 in

**Environmental Specifications**

- **Installation temperature**: -40 °C to +60 °C (-40 °F to +140 °F)
- **Operating Temperature**: -55 °C to +85 °C (-67 °F to +185 °F)
- **Storage Temperature**: -55 °C to +85 °C (-67 °F to +185 °F)
- **Immersion Test Method**: Meets IEC 60529:2001, IP68 in mated condition