MT24SM Low-Loss ferrule
MT24SM 低损耗插芯

24 fiber counts low-loss multi-fiber MT ferrule with ultra high precision mold technology.

High precision molding technology to manufacture single-mode 24 core low-loss ferrule.

Tilted end-face MT. This structure reduces the polish time by almost 20% of the conventional angle polish process.

- **Insertion Loss**
  - Typical = 0.1dB
  - Max ≤ 0.35dB

- **Size**
  - 3×7×8 [mm]

- **Pre-angle deg.**
  - 8°

 Optical insertion loss
1310nm

N=576
Max=0.25dB
Average=0.057dB
Std=0.04
### MT Ferrule

#### Features
- High precision by in house molding die with deep technical understandings.
- High quality, fully made in Japan with long and abundant experience.
- Furukawa is one of the original developer of MT ferrule.

#### Varieties

<table>
<thead>
<tr>
<th>Type</th>
<th>MM</th>
<th>MM-LL</th>
<th>SM</th>
<th>SM-LL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. IL</td>
<td>0.5 dB</td>
<td>0.35 dB</td>
<td>0.7 dB</td>
<td>0.35 dB</td>
</tr>
<tr>
<td>MT12</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MT24</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>MT48</td>
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<td>—</td>
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<tr>
<td>MT16</td>
<td>✓</td>
<td>✓</td>
<td>Under Development</td>
<td>Under Development</td>
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<td>MT32</td>
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<td>✓</td>
<td>Under Development</td>
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</tbody>
</table>

✓: Pre-angled Type

#### Insertion loss @1310nm for MT12SM-Low Loss Pre-angled

<table>
<thead>
<tr>
<th>Frequency</th>
<th>0</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
<th>350</th>
<th>400</th>
<th>450</th>
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</thead>
<tbody>
<tr>
<td>Insertion loss (dB)</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

- N=1152
- Max. 0.34dB
- Min. 0.00dB
- Avg. 0.107dB
- \( \sigma \). 0.069

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