MaxCap-BB-OM3 / OM4
Draka’s Bend-Insensitive 10Gb/s Multimode Fibers based on BendBright Technology

Draka has introduced MaxCap-BB-OM3 / OM4:
⇒ Combining high bandwidth with low bend loss

Benefits:
- Improving high bit rate system margins
- More margin for additional connectors
  ⇒ Data centers local distribution points
- Better suited in massive cabling
- Suited for reduced size cable cabinets

Design:
Based on trench surrounding core, preventing higher order modes from escaping under tight bends
**Macrobending:**

High-order modes (outer range of core) are better confined at bends: overall macro-bending factor of ~10 improved

<table>
<thead>
<tr>
<th>Macro bend loss: 2 turns</th>
<th>850nm</th>
<th>1300nm</th>
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</thead>
<tbody>
<tr>
<td>R = 7.5mm</td>
<td>≤ 0.2 dB</td>
<td>≤ 0.5 dB</td>
</tr>
<tr>
<td>R = 15mm</td>
<td>≤ 0.1 dB</td>
<td>≤ 0.3 dB</td>
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</tbody>
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**Examples:**

- 4 turns on 4mm diam. mandrel
  - Regular OM3: 3.37 dB
  - MaxCap-BB-OM3: 0.14 dB
- 2mm indoor cable tested in sharp 90 degree angle
  - Regular OM3: 2.75 dB
  - MaxCap-BB-OM3: 0.01 dB

**Spliceability:**

Splice losses of Draka MaxCap-BB when spliced to Draka Standard MaxCap MMF, Itself, and Corning Standard MMF.