Draka

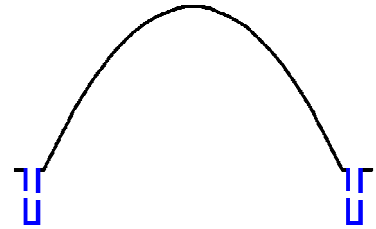
MaxCap-BB-OM3 / OM4

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

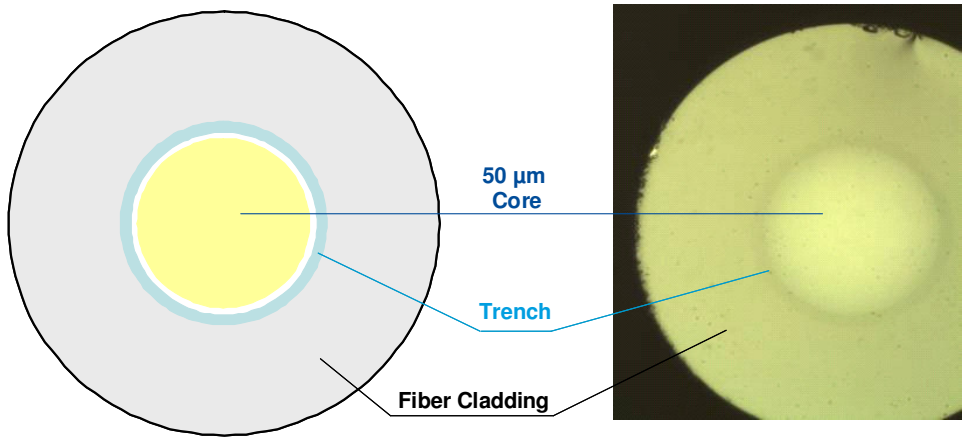
Benefits:

- **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



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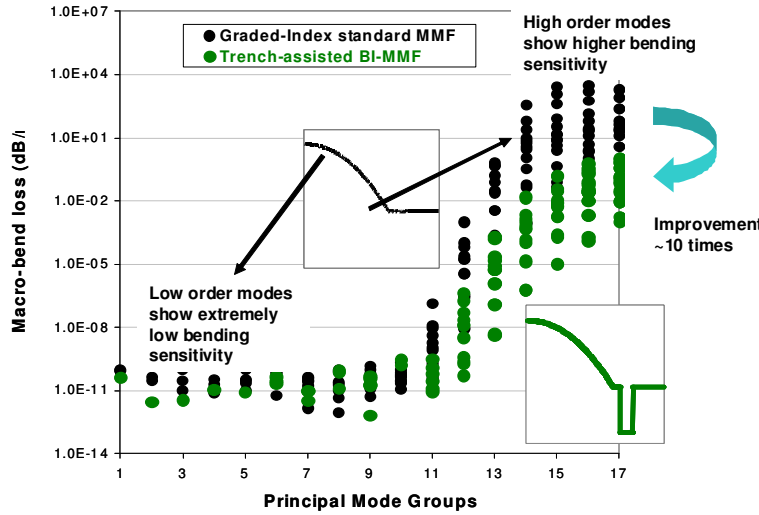
Macrobending:

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



Macrobend loss: 2 turns	850nm	1300nm
R = 7.5mm	≤ 0.2 dB	≤ 0.5 dB
R = 15mm	≤ 0.1 dB	≤ 0.3 dB

Examples:

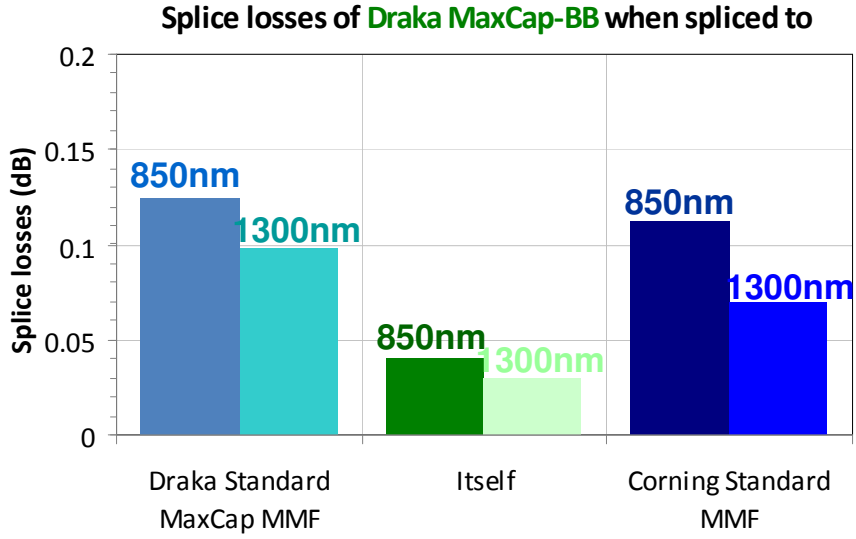
4 turns on 4mm diam. mandrel

Regular OM3 ➔ 3.37 dB

MaxCap-BB-OM3 ➔ 0.14dB

2mm indoor cable tested in sharp 90 degree angle

Regular OM3: ➔ 2.75dB

MaxCap-BB-OM3: ➔ 0.01dB

Spliceability: