

CMX-OCMTPM48 Datasheet

The Camplex CMX-OCMTPM48 is a ruggedized OM3 Multimode fiber trunk cable designed for crews who need fast, reliable fiber deployment in uncontrolled outdoor environments and high-density data transport applications where a single, manageable cable run must carry multiple simultaneous single paths. By consolidating 48 fibers into one compact assembly terminated with Neutrik opticalCON MTP connectors, it eliminates the connector count, cleaning burden, and installation time associated with individual fibers.

Features:

- Outdoor Field Deployable
- Low Insertion Loss and Optimized Optical Return Loss Values
- Space-Saving Multi-Fiber Design Reduces Cleaning and Mating Time
- Bend Optimized and Laser Optimized OM3 Multimode Fiber Cable
- Neutrik opticalCON MTP Connectors are IP65-rated in Mated Condition



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Specifications:

OM3 Multimode Fiber:

- **Fiber Type:** OM3 Multimode
- **Core/Cladding Diameter (μm):** 50/125
- **Number of Fibers:** 48
- **Secondary Buffer Diameter (μm):** 250
- **Proof Test Level (kpsi):** 200
- **Wavelength (nm):** 850/1300
- **Bandwidth (MHz/km):** 1500/500
- **Attenuation (dB/km):** 2.5/0.7
- **Inner Jacket Material:** Polyvinyl chloride
- **Outer Jacket Material:** Polyurethane
- **Cable Diameter:** 0.31in (8.1mm)
- **Crush Resistance:** ≤ 500 N/cm
- **Min. Bend Radius:**
 - Installation: 3.18in (81mm)
 - Operation: 4.76in (121mm)
- **Max. Tensile Load:**
 - Installation: 1300 N
 - Operation: 1300 N
- **Temperature:**
 - Operation: -40°F to 185°F (-40°C to +85°C)
 - Storage: -4°F to 158°F (-20°C to +70°C)
 - Installation: 23°F to 122°F (-5°C to +50°C)

Neutrik opticalCON MTP Connector:

- **Insertion Force:** < 45 N
- **Withdrawal Force:** < 45 N
- **Insertion Loss:** < 0.9 dB / connection
- **Lifetime:** 2500 mating cycles
- **Optical Wiring:** Method A
- **Protection Class:** IP65 in mated condition