

CMX-XBN02XM Series Datasheet

The Camplex CMX-XBN02XM/CMX-XBN02XMR X-TREME series are rugged assemblies that are designed to ensure reliable performance while being deployed in the harshest environments. This series uses a PUR outer jacket and a double glass yarn cable construction to allow greater impacts by animals and outdoor environmental factors, while also being cut-proof and rodent resistant. The expanded beam technology makes Camplex FIBERFOX X-TREME highly resistant against dust, mud, liquids, and other contaminants, while also prioritizing precision optical alignment. The FIBERBOX hermaphroditic coupling eliminates the need for adaptors and male & female mating halves. The Camplex FIBERFOX X-TREME Series are designed according to the MIL-DTL-83526 standard to fit all associated connectors. This series is ideal for lighting, network, PA, video, broadcast, defense & government, railway, petrochemical environments, and is available as snakes or on reels

Features:

- PUR Flame-retardant
- IP68 Mated and Unmated
- Cables are Directly Extendable (No Couplers required)
- Compatible with all MIL-DTL-83526 Systems
- Excellent Cable Retention Due to Aramid Yarn
- Withstands Greater Impact Caused by Animals and Environmental Conditions
- Rodent-Resistant & cut-Proof
- No Special Cleaning or Measurement Tools
- High Immunity Against Dust, Mud, Liquids and Other Contaminations
- For Demanding Outdoor Applications
- Extreme Robust, Heavy-duty Connectors



CMX-XBN02XMR



CMX-XBN02XM



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Specifications:

Camplex GMRT304 OM3 Multimode Cable:

- **Fiber Type:** OM3
- **Fiber Count:** 4
- **Buffer Construction:** Tight
- **Buffer Material:** Nylon
- **Buffer Diameter:** 0.03in (0.9mm)
- **Cable Core Watertight:** Yes
- **Cable Core Waterblocking Material:** Waterblocking Aramid Yarns + Glass Yarns
- **Number of Jackets:** Double Jacketed
- **Inner Jacket Material:** Polyurethane
- **Outer Jacket Material:** Polyurethane
- **Outer Jacket Nom. Diameter:** 0.36in (9.2mm)
- **Maximum Attenuation:**
 - 0.9 dB/km @ 1300nm
 - 2.9 dB/km @ 850nm
- **Temperature:**
 - Operating: -94°F to 185°F (-70°C to +85°C)
 - Installation: 23°F to 122°F (-5°C to +50°C)
 - Storage: -94°F to 185°F (-70°C to +85°C)

Neutrik FIBERFOX EBC15 Connector:

- **Gender:** Hermaphroditic
- **Insertion Loss:** Typ. 1.5dB per connection / Max. 2.5dB per connection
- **Tensile Strength:** 1,800 N
- **Compressive Load:** 50,000 N
- **Bump Resistance:** 4000 bumps @ 40g acceleration
- **Vibrational Sinusoidal:** 10-500Hz, 0.75 amplitude @ 10g acceleration
- **Compatibility:** MIL-DTL-83526
- **Protection Class:** IP68 mated and unmated (1m for 60 min)
- **Lifetime:** 10,000 mating cycles