

CMX-NEMA-MTP Series

Complex 's CMX-NEMA-MTP series breakout boxes are rugged, lightweight NEMA-rated watertight polycarbonate enclosures that allow you to adapt your opticalCON MTP 12-channel fiber optic cable to 3 opticalCON QUAD, 6 opticalCON DUO, or 12 ST connectors. These oil, dust, and weather-resistant boxes are designed for indoor or outdoor use in a variety of applications. They are available in Single Mode or Multimode.

Features:

- Lightweight NEMA-rated polycarbonate enclosures
- High-Quality Neutrik connectors
- Dust and weather resistant according to IP65 in mated condition
- Low loss opticalCON MTP connectors
- Rubber feet prevent sliding
- Internal Complex MTP Elite breakout cable



CMX-NEMA-MTPDUO



CMX-NEMA-MTP12ST



CMX-NEMA-MTPQUAD



CMX-NEMA-MTP12STM

CMX-NEMAMTP Series

Specifications:

MTP Cable:

- **Cable Type:**
 - **Single Mode:** 12 Channel Single Mode 9/125µm
 - **Multimode:** 12 Channel Multimode OM3 50/125 µm
- **Insertion Loss:**
 - **Single Mode:** MTP<0.35dB
 - **Multimode:** MTP<0.35dB
 - **DUO:** <0.3dB
 - **QUAD:** <0.3dB
- **Return Loss:**
 - **Single Mode:** MTP>60dB
 - **Multimode:** MTP>20dB
 - **DUO:** >50dB
 - **QUAD:** >50dB
- **Max Attenuation:**
 - **Single Mode:** 0.4/0.3dB/KM(1310/1550nm)
 - **Multimode:** 2.3/0.6dB/KM(850/1300nm)

NO12FDW-A Connectors:

- **Insertion Loss:** < 0.9 dB / connection
- **Insertion Force:** < 45 N
- **Withdrawal Force:** < 45 N
- **Lifetime:** 2500 mating cycles
- **Locking Device:** Push-Pull

NO4FDW-A Connectors:

- **Insertion Loss:** < 0.5 dB / connection
- **Insertion Force:** < 45 N
- **Withdrawal Force:** < 45 N
- **Lifetime:** 5000 mating cycles
- **Locking Device:** Push-Pull

NO2-4FDW-A Connectors:

- **Contact Resistance:** < 7 mΩ
- **Dielectric Strength:** 1,5 kVdc
- **Insulation Resistance:** > 2 GΩ (initial)
- **Insertion Loss:** < 0.4 dB / connection
- **Insertion Force:** < 45 N
- **Withdrawal Force:** < 45 N
- **Lifetime:** 5000 mating cycles
- **Locking Device:** Push-Pull

ST Connectors:

- **Insertion Loss:** ≤0.2dB
- **Sleeve Material:** Zirconia
- **Lifetime:** 1000 mating cycles