FHD MTP® 24 Cassettes Datasheet

FHD Fiber Optic MTP® Cassettes consist of pre-terminated LC, SC or MDC adapters for quick and easy deployment in high density applications and provide efficient utilization of rack space and design flexibility.

The cassettes interconnect with high-density fiber cable assemblies for quick connection of remote or data center applications.

**Features**

• High-density modular design, up to 144 fibers (LC) in 1U for efficient utilization.

• Pre-terminated cassette for improved reliability and quick deployment.

• High performance connectors to achieve a low loss optical budget.

• Plug-N-play modules allow fast installation of multiple fiber links.

• Offered in a wide range of performance and polarity configurations.

• The corning fiber compliant to Telcordia, EIA/TIA and IEC standards

**Product Constructions**

Fiber Count 12 Fibers/24 Fibers/36 Fibers/48 Fibers/96 Fibers

Fiber Mode Multimode: OM3 50/125μm and OM4 50/125μm

 Single Mode: OS2 9/125μm

Front Connector Multimode: LC/SC Duplex with UPC Polish Single Mode: LC/SC Duplex with UPC/APC Polish. MDC Duplex with UPC Polish

Rear Connector Multimode: MTP® Adapter(s) with Male Ferrules (pins) and UPC Polis. Single Mode: MTP® Adapter(s) with Male Ferrules (pins) and APC Polish

 Polarity Type Type A/AF/B1/B2/Universal

Material Aluminum (AL5052)

Dimensions (HxWxD) 1.38''x4.29''x4.64'' (35x109x118mm)

**Performance Properties**

Rear Connector US Conec MTP®

Insertion Loss Multimode: Stand IL 0.6dB max. Ultra-Low IL 0.35dB Max.

 Single Mode: Stand IL 0.75dB Max. Ultra-Low IL 0.35dB Max.

Return Loss Multimode: ≥20dB Single Mode: ≥60dB

Connector Durability US Conec MTP® Connector Meets TIA/EIA-568. C.3A.4.9 Durability: 500 Mating Cycles

Front Connector LC/SC/MDC Duplex

Fiber Mode Multimode/Single Mode

Material of Sleeve Zirconia Ceramic

Insertion Loss Multimode: UPC ≤0.2dB and Single Mode: APC ≤0.3dB

 UPC ≤0.2dB

Return Loss Multimode: UPC ≥30dB and Single Mode: APC ≥60dB

 UPC ≥50dB

**Note:**

The US Conec MTP® connectors are fully compliant with the MPO standards, achieving higher performance levels when compared to generic MPO connectors.

**Environmental Characteristics**

Operating Temperature -10℃-60℃

Storage Temperature -10℃-60℃

**Standards Compliance**

• ISO9001 Certificate

• RoHS Compliant

• WEEE Compliant

**PRODUCTS**

**2X12 MTP OM4 SERIES**

P/N I-2X12FOM3LM-CAS-MA(This is for a 24F MTP (MALE) TO LC CASSETTE METHOD A). Description: 24F (12x2 MTP) to LC in OM3, OM4 & OS2.  MA = MALE METHOD A.

Replace the OM3 with OM4 or change the suffix to SM for OS2.

**NOTE**: MB = MALE METHOD B for all cassette configurations. If you want Male Method B it will be -MB.If you want to order a Female Method B change the suffix to **-FB (**Similarly, to order a Female method A change the suffix to -FA**).**

FHD MTP® to LC Cassette, 24 Fibers OM4, Type A, 0.35dB max. FHD MTP®-24 Cassette, 24 Fibers OM4 Multimode, Type A, MTP® to 12 x LC Duplex (Aqua), 0.35dB max.

**2X12 MTP OS2 SERIES**

P/N I-2X12FOS2LM-CAS-MA (2x12 MTP(M)-LC CASSETTE MEHOD A). Change OS2 in the P/N , to OM3 & OM4 to represent those items. MB FOR METHOD B.

Description: 24F (12x2 MTP) to LC in OM3, OM4 & OS2. METHOD A & METHOD B

NOTE: MB = MALE METHOD B for all cassette configurations. If you want Male Method B it will be -MB. If you want to order a Female Method B change the suffix to -FB (Similarly, to order a Female method A change the suffix to -FA).

FHD MTP® to LC Cassette, 24 Fibers OS2, Universal Polarity, 0.35dB max. FHD 3 x MTP®-8 Cassette, 24 Fibers OS2 Single Mode, Universal Polarity, 3 x 8F MTP® to 6 x LC Quad (Blue), 0.35dB max

**2x12 MTP OM3 SERIES**

 P/N I-2X12FOM3LM-CAS-MA (2x12 OM3 MTP(M)-LC CASSETTE METHOD A) Change OM3 to OM4 and OS2 to represent OM4 and SM respectively. MB FOR METHOD B.

Description: 24F (12x2 MTP) to LC in OM3, OM4 & OS2. METHOD A & METHOD B

**NOTE**: MB = MALE METHOD B for all cassette configurations. If you want Male Method B it will be -MB.If you want to order a Female Method B change the suffix to **-FB (**Similarly, to order a Female method A change the suffix to -FA**).**

FHD 3 x MTP®-8 Cassette (Color-coded), 24 Fibers OM3 Multimode, Universal Polarity, 3 x 8F MTP® to 6x LC Quad (Aqua), 0.35dB max

**2X12 MTP OS2 SERIES**

P/N: I-2X12FOS2LM-CAS-MA (to represent 2x12 SM MTP(M)-LC CASSETTE METHOD A). Same goes for the others (change OS2 to OM3 and OM4 to represent those types of cassettes). MB FOR METHOD B.

Description: 24F (12x2 MTP) to LC in OM3, OM4 & OS2. METHOD A & METHOD B

**NOTE**: MB = MALE METHOD B for all cassette configurations. If you want Male Method B it will be -MB.If you want to order a Female Method B change the suffix to **-FB (**Similarly, to order a Female method A change the suffix to -FA**).**

FHD MTP®-24 Cassette (Color-coded), 24 Fibers OM3 Multimode, Type A, MTP® to 12 x LC Duplex (Aqua), 0.35dB max

**2X12 MTP OM4 SERIES**

P/N I-2X12FOM4LM-CAS-MA (2x12F OM4 MTP(M)-LC CASSETTE.

Description: 24F (12x2 MTP) to LC in OM3, OM4 & OS2. METHOD A & METHOD B

**NOTE**: MB = MALE METHOD B for all cassette configurations. If you want Male Method B it will be -MB.If you want to order a Female Method B change the suffix to **-FB (**Similarly, to order a Female method A change the suffix to -FA**).**

FHD 3 x MTP®-8 Cassette (Color-coded), 24 Fibers OM4 Multimode, Universal Polarity, 3 x 8F MTP® to 6x LC Quad (Magenta), 0.35dB max

**2X12 MTP-OS2 SERIES**

 P/N I-2X12FOS2LM-CAS-MA (2x12 SM MTP(M)-LC METHOD A). Description: 24F (12x2 MTP) to LC in OM3, OM4 & OS2. METHOD A & METHOD B

**NOTE**: MB = MALE METHOD B for all cassette configurations. If you want Male Method B it will be -MB.If you want to order a Female Method B change the suffix to **-FB (**Similarly, to order a Female method A change the suffix to -FA**).**

