

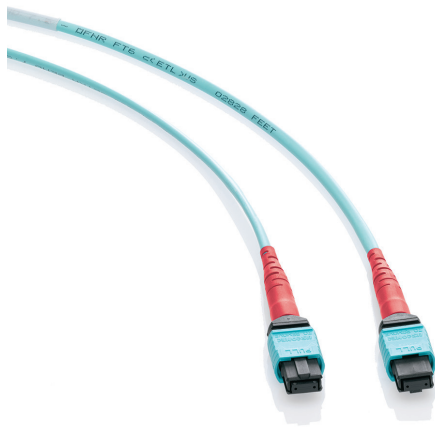
PRODUCT SPECIFICATIONS

OPT-X Unity Ultra Low Loss Plenum MTP Array Cords

OPT-X™ Unity Ultra Low Loss Plenum MTP® Array Cords

APPLICATION

OPT-X Unity Plenum MTP-MTP Array Cords are designed to cross connect from structured cabling directly into active equipment with an MPO/MTP transceiver interface. They are also used as direct interconnect cables for point-to-point connections. MTP Connectors feature ultra low loss to support maximum distance and multiple connection points while staying within IEEE low-loss limits.



SPECIFICATION

All pre-terminated solution components, including trunks, modules, harnesses, brackets, patch panels, and enclosures, shall be provided and warranted by a single manufacturer. Components with modular (12-fiber or 24-fiber) connection shall use MTP rather than MPO connectors. Multimode array cords shall meet an optical connector insertion loss not to exceed 0.20 dB per mated pair for 8 and 12 fibers, and 0.35 dB for 24 fibers. Single-mode array cords shall meet an optical connector insertion loss not to exceed 0.35 dB per mated pair. The cords shall be compliant with ANSI/TIA-568.3-D and IEEE 802.3xx standards as applicable.

FEATURES

- Ultra-Low-Loss 8-, 12- and 24-fiber MTP connectors for maximum network design flexibility
- Offered in OS2, OM3, OM4, and OM5
- 8-, 12-, and 24-fiber array cords offer migration path from 10 GbE to 40/100 GbE and higher data rates
- Plenum rated cable

DESIGN CONSIDERATIONS

- For use with Leviton MTP cassettes, panels, and brackets
- For use in connecting directly into QSFP, QSFP 28, QSFP-DD or OSFP transceivers
- Used in 12-fiber or 24-fiber cabling systems
- Array cords have pinned (male) connector on first end and pinless (female) connector on second end
- Other gender configurations available
- When plugging directly to transceivers, array cord connector should have no pins (female)
- Leviton 24-fiber connectors have a 20 N spring to provide max 0.35 dB insertion loss. If mated to another 24-fiber MPO connector with a 10 N spring, performance may result in >0.35 dB insertion loss.

STANDARDS & REGULATIONS

- ANSI/TIA-568.3-D
- ANSI/TIA-942
- Supports data rates identified in multiple IEEE 802.3xx standards as applicable by connector type and cable grade
- OM3, OM4, OM5 meet ITU-T G651.1
- OM5 meets TIA 492-AAAE for SWDM
- OS2 meets ITU-T 652.D and ITU-T 657.A1
- Detailed fiber specifications in PS 0309 data sheet
- Meets OFNP requirements

MECHANICAL SPECIFICATIONS

Length:	1, 2, 3, 5, and 10 meters (custom lengths available)
Dimensions:	8- and 12-fiber built with 3.0 mm cable 24-fiber built with 3.8 mm cable
Cable Type and Color:	OM3 and OM4 cable is plenum-rated with aqua color jacket, OM5 is lime green, OS2 is a yellow colored jacket

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

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COLOR CODES	
Cable Jackets	
OM3, OM4 50/125 µm	Aqua
OM5 50/125 µm	Lime green
OS2 9/125 µm	Yellow
Connectors	
OM3, OM4 50/125 µm	Aqua
OM5 50/125 µm	Lime green
OS2	Yellow
MTP Connector Boots	
8-fiber	Dark gray
12-fiber (OM3, OM4)	Aqua
12-fiber (OM5)	Lime green
12-fiber (single-mode)	Black
24-fiber (OS2, OM3, OM4)	Red

FIBER INSERTION LOSS PERFORMANCE (DB)		
Connector Mated Pairs	Max. IL Multimode	Max. IL Single-mode
8-fiber Unity	0.20	0.35
12-fiber Unity	0.20	0.35
24-fiber Unity	0.35	0.35

OPT-X UNITY PLENUM MTP-MTP ARRAY CORDS			
Description	8-Fiber	12-Fiber	24-Fiber
MTP (female) to MTP (female), Method B OS2, 3 meter	ULUP8MM-B003M	ULUP2LL-B003M	ULUP4JJ-B003M
MTP (male) to MTP (male), Method B OS2, 3 meter	ULUP8NN-B003M	ULUP2KK-B003M	ULUP4HH-B003M
MTP (female) to MTP (female), Method B OM3, 3 meter	UL5L8MM-B003M	UL5L2LL-B003M	UL5L4JJ-B003M
MTP (male) to MTP (male), Method B OM3, 3 meter	UL5L8NN-B003M	UL5L2KK-B003M	UL5L4HH-B003M
MTP (female) to MTP (female), Method B OM4, 3 meter	UL548MM-B003M	UL542LL-B003M	UL544JJ-B003M
MTP (male) to MTP (male), Method B OM4, 3 meter	UL548NN-B003M	UL542KK-B003M	UL544HH-B003M

Make to order!		OPT-X UNITY PLENUM 40/100G MTP ARRAY CORDS			
Fiber Type	Fiber Count	Termination		Cord Length (Ft.)	Polarity
<ul style="list-style-type: none"> OM3 (5L) OM4 aqua (54) OS2 (UP) OM5 Lime green (M5) 	<ul style="list-style-type: none"> 8 12 24 	FIRST END <ul style="list-style-type: none"> 8-fiber MTP male (N) 8-fiber MTP female (M) 12-fiber MTP male (K) 12-fiber MTP female (L) 24-fiber MTP male (H) 24-fiber MTP female (J) 	SECOND END <ul style="list-style-type: none"> 8-fiber MTP male (N) 8-fiber MTP female (M) 12-fiber MTP male (K) 12-fiber MTP female (L) 24-fiber MTP male (H) 24-fiber MTP female (J) 	<ul style="list-style-type: none"> 2-984 	<ul style="list-style-type: none"> MTP Method A (A) MTP Method B (B) MTP Method C (C)



For assistance customizing your OPT-X Unity Plenum trunks, please visit leviton.com/configurator or call Tech Support at 800.824.3005.

For further support information, visit leviton.com/ns/support

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