

PRODUCT SPECIFICATIONS

OPT-X Engage Low Loss Plenum MTP Array Cords

OPT-X™ Engage Low Loss Plenum MTP® Array Cords

APPLICATION

OPT-X Engage Plenum 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.



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 (8-fiber or 12-fiber) connection shall use MTP rather than MPO connectors. Multimode array cords shall meet an optical connector insertion loss not to exceed 0.35 dB per mated pair for 8 and 12 fibers. The cords shall be compliant with ANSI/TIA-568.3-D and multiple IEEE 802.3 standards supporting QSFP form factors.

FEATURES

- Offered in OM3, OM4, OM5, and OS2
- 8- and 12-fiber array cords offer migration path from 10GbE to 40/100GbE
- All array cords use low-loss MTP connector
- Plenum rated cable

DESIGN CONSIDERATIONS

- For use with Leviton MTP cassettes, panels, and brackets
- For use in connecting directly into 8 fiber, QSFP transceivers
- Standard Array Cords have pinned (male) connector on first end and pinless (female) connector on second end
- When plugging directly to transceivers, array cord connector should have no pins (female)

STANDARDS & REGULATIONS

- ANSI/TIA-568.3-D
- Supports data rates identified in multiple IEEE 802.3xx standards as applicable by connector type and cable grade
- ANSI/TIA-942
- 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
Cable Color:	OM3, OM4: aqua jacket OM5: lime green OS2: yellow jacket
MTP Boot Colors:	8-fiber: dark gray 12-fiber (multimode): aqua 12-fiber (single-mode): black
Insertion Loss:	8- and 12-fiber: 0.35 dB per mated pair

WARRANTY INFORMATION

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

PRODUCT SPECIFICATIONS

OPT-X™ Engage Low Loss Plenum MTP® Array Cords

OPT-X Engage Low Loss Plenum MTP Array

COLOR CODES	
Cable Jackets	
OM3, OM4 50/125 µm	Aqua
OM5 50/125 µm	Lime green
OS2	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	Aqua
12-fiber (OM5)	Lime green
12-fiber (single-mode)	Black

FIBER INSERTION LOSS PERFORMANCE (DB)	
Connector Mated Pairs	MM/SM
8-fiber	0.35
12-fiber	0.35

OPT-X ENGAGE LOW LOSS PLENUM MTP ARRAY CORDS		
Description	8-Fiber	12-Fiber
MTP (female) to MTP (female), Method B, OS2, 3 meter	UP8MM-B003M	UP2LL-B003M
MTP (male) to MTP (male), Method B, OS2, 3 meter	UP8NN-B003M	UP2KK-B003M
MTP (female) to MTP (female), Method B OM3, 3 meter	5L8MM-B003M	5L2LL-B003M
MTP (male) to MTP (male), Method B, OM3, 3 meter	5L8NN-B003M	5L2KK-B003M
MTP (female) to MTP (female), Method B, OM4, 3 meter	548MM-B003M	542LL-B003M
MTP (male) to MTP (male), Method B, OM4, 3 meter	548NN-B003M	542KK-B003M

Make to order!		OPT-X ENGAGE LOW LOSS PLENUM MTP ARRAY CORDS			
Fiber Type	Fiber Count	Cable type	Termination	Cord Length (Ft.)	Polarity
<ul style="list-style-type: none"> OM3 (5L) OM4 (54) OM5 Lime green (M5) OS2 (UP) 	<ul style="list-style-type: none"> 8 12 	<ul style="list-style-type: none"> Plenum LSZH (Z) 	<p>FIRST END</p> <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) <p>SECOND END</p> <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) 	<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 pre-terminated trunks, please visit leviton.com/configurator or call Tech Support at 800-824-3005.

For further support information, visit leviton.com/ns/support
MTP® is a registered trademark of US Conec, Ltd.