LEVITON®
Network Solutions

e2XHD Engage Low Loss Base12 MTP® Fiber Cassettes

APPLICATION

The e2XHD patching platform, an easy-to-connect, high-density solution, provides simple termination and improved cable routing for both fiber and copper applications. Cassettes quickly snap-in and pull out of the e2XHD high-density panels, making installation easier than ever. Fiber cassettes are custom configurable and arrive pre-terminated.

e2XHD MTP-LC Shuttered 12-Fiber Cassette

e2XHD MTP-LC 24-Fiber Cassette

SPECIFICATION

Base12 multimode cassettes shall meet an optical insertion loss not to exceed 0.50 dB for MTP-to-LC cassettes, and 0.75 dB for MTP-to-MTP cassettes. Base12 single-mode cassettes shall meet an optical insertion loss not to exceed 0.90 dB for MTP-to-LC and 0.75 dB for MTP-to-MTP cassettes. Fiber cassettes shall snap into rear of panel and shall require no tools to remove. Fiber cassettes shall accept 12 or 24 fibers in MTP-LC. MTP connectors shall mate to key up/key down adapter on rear of cassette. LC adapters shall use ceramic ferrules and shall provide an option for IP5x-rated internal shutters compliant with IEC60529 that open and close automatically with the insertion and removal of an LC connector. Cassettes available in method A, B, C, and Universal Polarity and shall allow for multiple cassettes to be connected in a channel. Cassettes shall be pre-terminated and pre-tested with test documentation provided upon request.

COUNTRY OF ORIGIN

Please contact customer service

WARRANTY INFORMATION

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

FEATURES

- OM3, OM4, or OS2 available for cassettes
- Optional patented internal shutters on LC adapters eliminate the need for dust plugs to reduce waste, speed deployment, and ensure safer installation
- Alignment tabs on panel ensure upright insertion of cassettes
- To remove cassettes from panel, simply pull on back handle
- Custom configurable through Leviton's Make-to-Order program
- MTP adapters swivel to three positions for easier cable routing:

DESIGN CONSIDERATIONS

- Panels hold up to 48 duplex fiber channels per rack unit
- Panel accepts up to eight copper and/or fiber cassettes (12-fiber LC-MTP)
- Fiber cassettes available in 12- and 24-fiber options and work with pre-terminated 12-fiber MTP trunks
- 24-F and Legacy 12-F MTP Applications: Method B trunk links require one Core (black front face) and one Edge (white front face) MTP-LC cassette.
- 12-F Applications: Universal Polarity MTP-to-LC Cassettes; require method B trunks with one cassette on each end

STANDARDS & REGULATIONS

- ANSI/TIA-942 data center design guidelines
- ANSI/TIA-604-5 (MTP), -10B (LC) for connector intermateability
- ANSI/TIA-568.3-D for performance requirements
- IEC 60529 IP5x dust protection (LC)

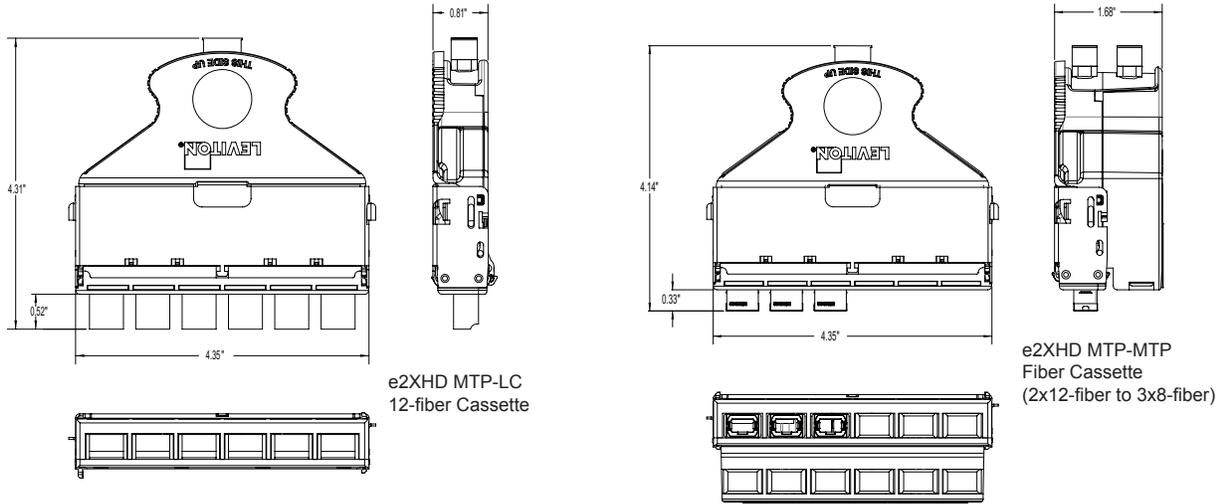## MECHANICAL SPECIFICATIONS

Materials: Cold-rolled steel and high-performance plastics
Temperature (Operating):   -10 °C to +60 °C
Temperature (Installation): -10 °C to +60 °C

PERFORMANCE SPECIFICATIONS

FIBER CASSETTE INSERTION LOSS		
	Multimode	**Single-mode**
	Base12 Max IL	**Base12 Max IL**
MTP-LC	0.50	0.90
MTP-MTP	0.75	0.75

E23 SS1109-GL ENv3
Revised May 2023

e2XHD MTP-LC
12-fiber Cassette

e2XHD MTP-MTP
Fiber Cassette
(2x12-fiber to 3x8-fiber)

e2XHD Engage Low Loss Base12 MTP Fiber Cassettes

12-FIBER CASSETTES — POPULAR CONFIGURATIONS

Description	Part No.
OM3, 12-fiber, MTP (male) to LC shuttered (aqua), Universal Polarity	FME2XHD-E012CSKQDU
OM4, 12-fiber, MTP (male) to LC shuttered (aqua), Universal Polarity	FME2XHD-F012CSKQDU
OM4, 12-fiber, MTP (male) to LC shuttered (heather violet), Universal Polarity	FME2XHD-F012CSKVDU*
OS2, 12-fiber, MTP (male) to LC shuttered (aqua), Universal Polarity	FME2XHD-A012CSKLDU

*Please contact Customer Service for quoting this specific configuration

24-FIBER CASSETTES — POPULAR CONFIGURATIONS

Description	Part No.
OM3, 24-fiber, 2x12F MTP (male) to LC shuttered (aqua), Universal Polarity	FME2XHD-E024CSKQEU
OM4, 24-fiber, 2x12F MTP (male) to LC shuttered (aqua), Universal Polarity	FME2XHD-F024CSKQEU
OM4, 24-fiber, 2x12F MTP (male) to LC shuttered (heather violet), Universal Polarity	FME2XHD-F024CSKVEU*
OS2, 24-fiber, 2x12F MTP (male) to LC shuttered (blue), Universal Polarity	FME2XHD-A024CSKLEU

*Please contact Customer Service for quoting this specific configuration

Make-to-order!	E2XHD ENGAGE LOW LOSS BASE12 MTP FIBER CASSETTE OPTIONS			
Fiber Type	Fiber Count	Connector Type (Front)	MTP Fiber Count (Rear)	Polarity
• OM3 (E) • OM4 (F) • OS2 (A)	• 12 • 24	• LC (C) • LC shuttered (CS) • MTP female (M)	• Base12 MTP (K)	• Method A (A) • Method B, Core, black (BC) • Method B, Edge, white (BE) • Method C (C) • Universal (U)

Make to order!

For assistance customizing your cassette, 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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