HD Flex™ Fiber Enclosures

specifications

The enclosure shall house, organize, manage and protect fiber optic cable, terminations, splices, connectors and patch cords. Enclosure shall accommodate all HD Flex™ cassettes, fiber adapter panels (FAP), trunk cables, connectors and patch cords. Enclosure shall provide front access with drawers that slide out into two locked positions, regardless of how many enclosures are stacked together. Enclosure trays shall allow for half of the tray to operate independently, an ideal option for redundant networks. Enclosure shall allow cassettes and FAPs to be installed by dropping them into the front of the enclosure tray or sliding them into the rear of the enclosure tray which allows each individual cassette/FAP to be removed with minimal disruption to other cassettes/FAPs. Enclosure shall be constructed of steel material.

technical information

Mounting:	Integral mounting flange for installation in 19" wide EIA-310 racks
Material:	Steel enclosure

key features and benefits

Modular design accepts up to 12 HD Flex™ Fiber Cassettes or Fiber Adapter Panels per rack unit	Provides higher patch field density in fewer rack units saving valuable rack space
Compatible with all HD Flex™ Fiber Cassettes and Fiber Adapter Panels	Provides versatility and flexibility with a fully modular solution for a variety of pre-terminated installations
Rack/Cabinet Rail Mounting Cable Management Bracket	Provides template for additional mounting of cables, moving cable from back of enclosure to side of enclosure resulting in easy access to connections for improved serviceability
Front and Rear Accessible Enclosure Tray	Allows access to connections from front or rear of rack/cabinet facilitating easy moves, adds and changes without disruption of network connections
Front Drop In and Rear Slide Out Mounting of Cassettes and Fiber Adapter Panels	Allows access to cassettes without fully sliding out cable management plate
Split Enclosure Tray	Allows each half of tray to operate independently providing improved reliability and serviceability of redundant network connections
Multi-positional Enclosure Tray	Allows tray to be locked in two extended positions resulting in improved access when patching and maintaining network connections

applications

HD Flex™ Fiber Optic Enclosures provide a system for managing fiber terminations, connections, and patching in all types of applications. The enclosures are a component of the HD Flex™ Fiber Cabling System.

They are ideal for fast, flexible and reliable patch field solutions within main, horizontal and/or equipment distribution areas (MDA, HDA and EDA).

HD Flex™ Fiber Enclosures

1 RU, 12-cassette:	FLEX1U
4 RU, 48-cassette:	FLEX4U

HD Flex™ Fiber Cassettes

Multimode MPO to LC Cassettes*
1 MPO to 6 Duplex LC: FHCXO-12-10AS
 *Change X (OM3) to Z for OM4
 *Change O (Optimized IL) to A for Ultra Low IL
 *Change AS (Method A) to AF for
  Method A - Pair Flipped
 *Change AS to BN for Method B

Singlemode MPO to LC Cassettes**
1 MPO-APC to
6 Duplex LC-UPC: FHC9N-12-10AS
 **Change AS (Method A) to AF for
  Method A - Pair Flipped
 **Change AS to BN for Method B

Multimode Breakout Cassettes***
1 Parallel MPO
to 4 Duplex LC: FHC3XO-08-10BN
 ***Change X (OM3) to Z for OM4
 ***Change O (Optimized IL) to A for Ultra Low IL

Singlemode Breakout Cassette
1 Parallel MPO-APC
to 4 Duplex LC-UPC: FHC39N-08-10AN
  (Type A MPO Adapter)

HD Flex™ Fiber Adapter Panels

MPO Module/Adapter Panels:
Type A:^ FHMP-6-ABL
Type B: FHMP-6-BCG
^Change BL (Black) to RD for Red

LC Splice Module/Adapter Panels
6-port Multimode,
Duplex LC Adapters: FHSXN-12-10N

6-port Singlemode,
Duplex LC Adapters: FHS9N-12-10N

HD Flex™ Trunk Transition Clips

12-fiber capacity:	FLEX-CLIP12
18-fiber capacity:	FLEX-CLIP18

HD Flex™ Trunk Cable Managers

Universal Trunk Managers
12-fiber transition
capacity: FLEX-CM12S
18-fiber transition
capacity: FLEX-CM18S
PatchRunner ™ Trunk Managers
12-fiber transition
capacity: FLEX-CM12C
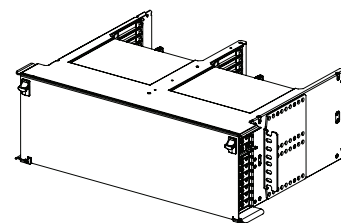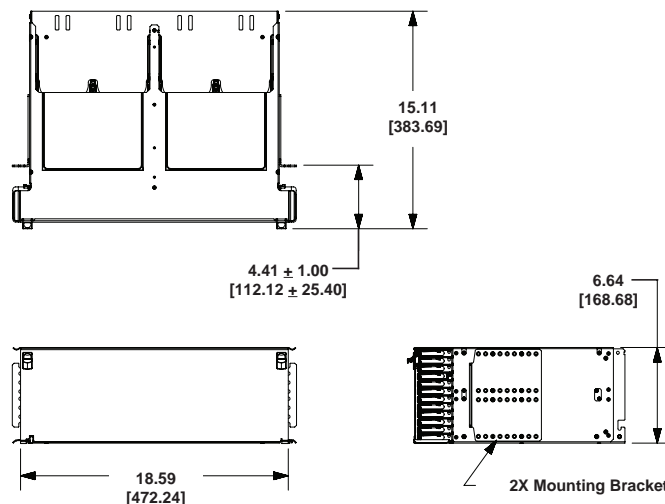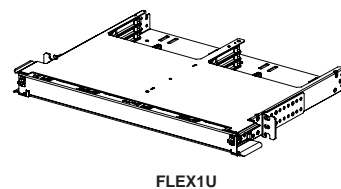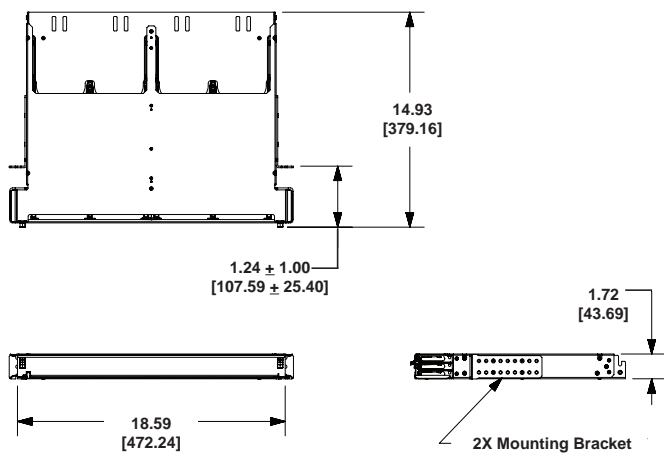**18-fiber transition**
capacity: FLEX-CM18C

HD Flex™ Trunk Slack Plates

1 RU:	FLEX-PLATE1U
4 RU:	FLEX-PLATE4U

HD Flex™ Fiber Enclosures

fiber capacity

Cassette Description	Cassette PN	Enclosure	
		FLEX1U (holds 12 cassettes)	FLEX4U (holds 48 cassettes)
12F MPO to 6 Duplex LC	FHC**-12-10**	144	576
6 Duplex LC FAP	FHS*N-12-10N	144	576
6 Duplex LC splice	FHS**-12-10P	144	576
4-to-1 Breakout	FHC***-08-10*N	96	384
6 Port 12F MPO FAP	FHMP-6-***	864	3456
6 Port 24F MPO FAP	FHMP-6-***	1728	6912

14.93
[379.16]

1.24 ± 1.00
[107.59 ± 25.40]

1.72
[43.69]

FLEX1U

18.59
[472.24]

2X Mounting Bracket

15.11
[383.69]

4.41 ± 1.00
[112.12 ± 25.40]

6.64
[168.68]

FLEX4U

18.59
[472.24]

2X Mounting Bracket

Dimensions are in inches.

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

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