

technical information

HD Flex CS cassettes provide per-RU fiber densities that exceed traditional cassettes with duplex LC connectors. CS cassettes provide breakout options for 4-lane (MPO-12) and 8-lane (MPO-24) parallel optics, as well as structured cabling solutions to consolidate CS connector based traffic onto traditional MPO trunks. CS cassettes are universally wired so the same cassette can be used on both ends of the link (cassette - trunk - cassette) for structured cabling, or as stand-alone breakout cassettes for 100G, 200G, and 400G applications. CS cassettes are offered with singlemode and OM4 fiber.



application

Application areas include key elements as specified in Data Center Cabling Standard TIA 942 cross connects in main, horizontal, and equipment distribution areas.

construction

Fiber count:	16, 36
Fiber types:	Multimode: OM4 50/125µm Singlemode: OS2 9/125µm
Front connectivity:	CS Connector, UPC polish
Rear MTP* connectivity:	Multimode: MTP* adapter(s) with male ferrules (pins) and PC polish
Rear MTP* APC connectivity:	Singlemode: MTP* adapter(s) with male ferrules (pins) and APC polish

environmental properties

Operating temperature:	0°C to 70°C (32°F to 158°F)
Storage and shipping temperature:	-40°C to +75°C (-40°F to 167°F)

performance properties

Insertion loss (Link loss):	Multimode:	12F MPO 0.5dB max. 24F MPO 0.5dB max.
	Singlemode:	12F MPO 0.75dB max. 24F MPO 1.2dB max.
Return loss:	Per channel:	>26dB Multimode >55dB Singlemode
Connector durability:	MTP* and CS ports	Durability: 500 mating cycles

standards

Connectivity meets or exceeds TIA/EIA-568-C.3 performance requirements. Supports IEEE 802.3ba (40/100 Gigabit Ethernet). CS connector meets TIA-604-19 (FOCIS-19) requirements.

*MTP is a registered trademark of US Conec Ltd.

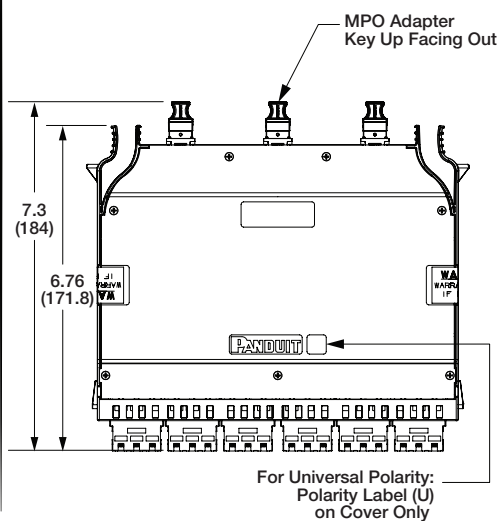
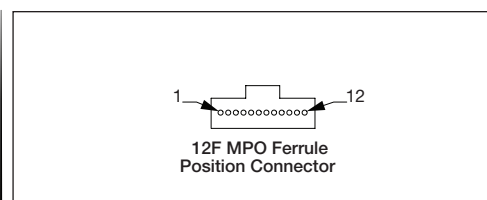
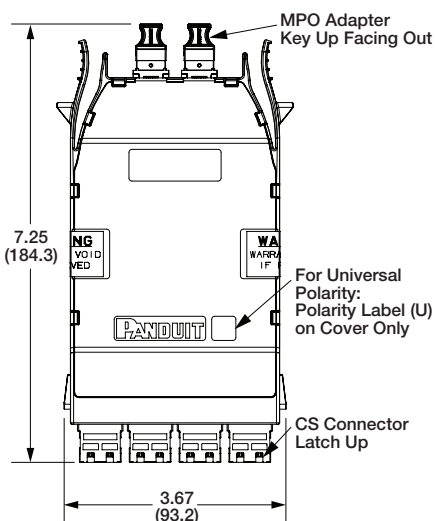
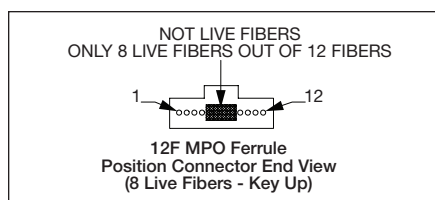
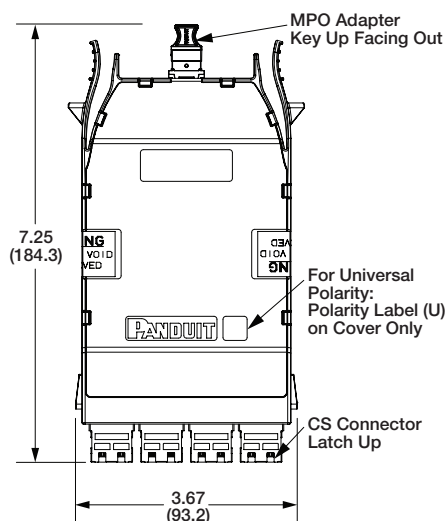
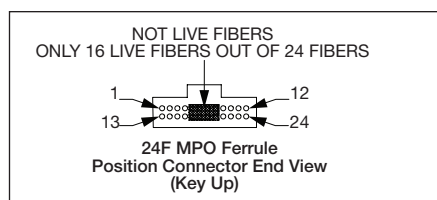
Visit www.panduit.com/hsdt to learn more about how these solutions help customers manage risk across their physical infrastructure.

HD Flex CS Cassettes

part number configurator

Part Number	Fiber Type	Rear Connectivity	Front Connectivity	Number Fibers	Fiber Per RU	Polarity	Enclosure / Panel Required
FHCZ0-16-C2U	OM4	2 x MPO-12 male	8 x CS	16	192	Universal	FLEX**06
FHC9N-16-C2U	OS2	2 x MPO-12 male	8 x CS	16	192	Universal	FLEX**06
FHCZ0-16F-C2U	OM4	1 x MPO-24 male	8 x CS	16	192	Universal	FLEX**06
FHC9N-16F-C2U	OS2	1 x MPO-24 male	8 x CS	16	192	Universal	FLEX**06
FHCZ0-36-C3U	OM4	3 x MPO-12 male	18 x CS	36	216	Universal	FLEX**12
FHC9N-36-C3U	OS2	3 x MPO-12 male	18 x CS	36	216	Universal	FLEX**12

HD Flex CS Cassettes



Dimensions are in inches. (Dimensions in brackets are metric).

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

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

PANDUIT®

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

© 2020 Panduit Corp.
ALL RIGHTS RESERVED.
FBSP182--WW-ENG
9/2020