

technical information

HD Flex™ Fiber Optic Cassettes offer a wide array of deployment options to support both Ethernet and Fibre Channel networks. Cassettes are available in MPO-8 and MPO-16 configurations with several connector options on the front and back of the cassettes.



applications

Allows system designers to tailor configuration, reach and breakout construction to application requirements; to minimize waste, optimize cable management, speed deployment, and improve flexibility and manageability for lower installation costs.

construction

Fiber types

Multimode:	OM4 50/125µm OM4+ Sig Core 50/125µm OM5 50/125µm
Singlemode:	OS2 9/125µm

Front connectivity

LC Duplex Adapters (Shuttered)
MPO Adapters (Key-up to Key-up,
Key-up to Key-down)

Rear connectivity

MPO Male Adapter (pinned)
MPO Adapters (Key-up to Key-up
Method B, Key-up to Key-down Method A
U, and U2)

environmental properties

Operating temperature:	0°C – 70°C (32°F – 158°F)
Storage and shipping temperature:	-40°C – 70°C (-40°F – 158°F)
Installation temperature:	0°C – 60°C (32°F – 140°F)

performance properties

Insertion loss

Multimode:	Optimized Breakout Cassette: 0.5dB Ultra Low Loss Breakout Cassette: 0.35dB Optimized MPO to MPO Cassette: 0.70dB Ultra MPO to MPO Cassette: 0.50dB
Singlemode:	Standard 4 to 1 Breakout Cassette: 0.75dB Standard 8 to 1 Breakout Cassette: 1.2dB Standard MPO-12 to MPO-8 Cassette: 1.0dB Standard MPO-12 to MPO-16 Cassette: 1.2dB

Return loss (per fiber)

Multimode:	>30dB
Singlemode:	>55dB

Connector durability:	Connectors meeting ANSI/TIA-586C.3 Durability: 500 mating cycles
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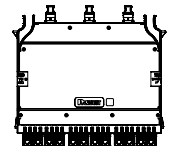
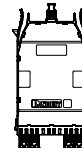
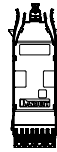
Fiber count:	8, 16, 24
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Split sleeve material:	Zirconia ceramic
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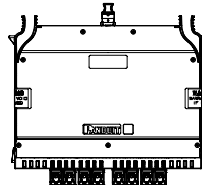
standards

Meets or exceeds:	ISO/IEC 11801, ANSI/TIA-568-C.3, TIA-604-5 (FOCIS-5), TIA-604-10 (FOCIS-10), RoHS Compliant
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HD Flex™ MPO-8/16 Fiber Optic Cassettes

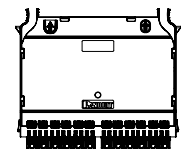
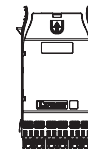
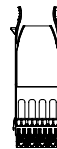


HD Flex 4-to-1 Breakout Cassettes	4-port, 8-fiber (1 MPO-8)	6-port, 8-fiber (1 MPO-8)	12-port, 24-fiber (3 MPO-8)
OM4 Fiber/Optimized Loss – LC			
Universal Polarity	FHC3ZO-08H-10U	FHC3ZO-08-10U	FHC3ZO-24H-10U
Universal (pair flipped) Polarity	FHC3ZO-08H-10U2	FHC3ZO-08-10U2	FHC3ZO-24H-10U2
OM4 Fiber/Ultra Low Loss – LC			
Universal Polarity	FHC3ZA-08H-10U	FHC3ZA-08-10U	FHC3ZA-24H-10U
Universal (pair flipped) Polarity	FHC3ZA-08H-10U2	FHC3ZA-08-10U2	FHC3ZA-24H-10U2
OM4+ Fiber/Ultra Low Loss – LC			
Universal Polarity	FHC3SA-08H-10U	FHC3SA-08-10U	FHC3SA-24H-10U
Universal (pair flipped) Polarity	FHC3SA-08H-10U2	FHC3SA-08-10U2	FHC3SA-24H-10U2
OM5 Fiber/Optimized Loss – LC			
Universal Polarity	FHC3WO-08H-10U	FHC3WO-08-10U	FHC3WO-24H-10U
Universal (pair flipped) Polarity	FHC3WO-08H-10U2	FHC3WO-08-10U2	FHC3WO-24H-10U2
OS2 Fiber/Standard Loss – LC			
Universal Polarity	FHC39N-08H-10U	FHC39N-08-10U	FHC39N-24H-10U
Universal (pair flipped) Polarity	FHC39N-08H-10U2	FHC39N-08-10U2	FHC39N-24H-10U2
U for Universal, U2 for Universal Pair Flipped For Correct Polarity Reference Application Guide Requires Method B MPO Connectivity			

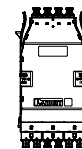


HD Flex 8-to-1 Breakout Cassette	12-port
OM4 Fiber/Optimized Loss	
Universal Polarity	FHC3ZO-16M-10U
Universal (pair flipped) Polarity	FHC3ZO-16M-10U2
OM5 Fiber/Optimized Loss	
Universal Polarity	FHC3WO-16M-10U
Universal (pair flipped) Polarity	FHC3WO-16M-10U2
OM4+ Fiber/Optimized Loss	
Universal Polarity	FHC3SO-16M-10U
Universal (pair flipped) Polarity	FHC3SO-16M-10U2
OS2 Fiber/Standard Loss	
Universal Polarity	FHC39N-16M-10U
Universal (pair flipped) Polarity	FHC39N-16M-10U2

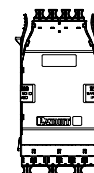
HD Flex™ MPO-8/16 Fiber Optic Cassettes



HD Flex™ LC and MPO Fiber Adapter Panels	4-port	6-port	12-port
LC Fiber Adapter Panels			
6 LC duplex multimode adapters in Aqua	FHSXN-08-10N	FHSXN-12-10N	FHSXN-24-10N
6 LC duplex singlemode adapters in Blue	FHS9N-08-10N	FHS9N-12-10N	FHS9N-24-10N
MPO Fiber Adapter Panels			
6 MPO Type A adapters (Key-up to Key-down) in Black	FHMP-4-ABL	FHMP-6-ABL	–

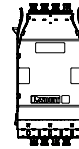


HD Flex Dark Fiber Conversion Cassettes	6-port
OM4 Fiber/Ultra Low Loss	
24-fiber (3xMPO-8 to 2xMPO-12), Method A	FH4ZU-24-NMNMA
24-fiber (3xMPO-8 to 2xMPO-12), Method B	FH4ZU-24-NMNMB
48-fiber (6xMPO-8 to 4xMPO-12), Method A	FH4ZU-48-NMNMA
48-fiber (6xMPO-8 to 4xMPO-12), Method B	FH4ZU-48-NMNMB



HD Flex Dark Fiber Conversion Cassette	6-port
OM4 Fiber/Optimized Loss	
48-fiber (3xMPO-16 to 4xMPO-12) Universal Polarity	FH4ZO-48-463MU
OS2 Fiber/Standard Loss	
48-fiber (3xMPO-16 to 4xMPO-12) Universal Polarity	FH49N-48-463MU

HD Flex™ MPO-8/16 Fiber Optic Cassettes



HD Flex Mesh/Shuffle Cassettes	6-port
OM4 Fiber/Optimized Loss	
32-fiber 4xMPO-8 to 4xMPO-8	FHMZO-32-M
OS2 Fiber/Standard Loss	
32-fiber 4xMPO-8 to 4xMPO-8	FHM9N-32-M

HD Flex Blank/Filler Panels	4-port	6-port	12-port
Blank/filler panels	FHSBBL04W	FHSBBL06W	FHSBBL12W

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12/2023