

technical information

HD Flex™ Fiber Optic Cassettes offer a wide array of deployment options to support both Ethernet and Fibre Channel networks. Cassette types are available with 1 MPO to 6 duplex LC connectors, 1 MPO to 4 duplex LC connectors for breaking out parallel optics applications (40G into four 10G channels), and 6-port duplex LC cassettes for splice terminations. Also 6-port MPO and duplex LC fiber adapter panels (FAP) are available.



application

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:	OM3 50/125µm OM4 50/125µm
Singlemode:	OS2 9/125µm

Front connectivity:

Multimode:	LC Duplex Adapters MPO Adapters (Key-up to Key-up, Key-up to Key-down)
Singlemode:	LC Duplex Adapters MPO Adapters (Key-up to Key-down)

Rear connectivity:

Multimode:	MPO Adapter with MPO male connector MPO Adapters (Key-up to Key-up, Key-up to Key-down) 12-fiber for splicing (ribbon, 250µm)
Singlemode:	MPO Adapter with MPO male connector MPO Adapters (Key-up to Key-down) 12-fiber for splicing (ribbon, 250µm)

performance properties

Insertion loss:

Multimode:	Optimized Cassette and Breakout Cassette: 0.5 dB Ultra Low Loss Cassette and Breakout Cassette: 0.35 dB Optimized Loss Splice Cassette: 0.15 dB plus splice loss Ultra Low Loss Splice Cassette: 0.10 dB plus splice loss
Singlemode:	Standard Cassette and Breakout Cassette: 0.75 dB Standard Loss Splice Cassette: 0.35 dB plus splice loss

Return loss:

Per fiber:	>26dB (OM3/OM4) >55dB (OS1/OS2)
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Connector durability:

Connectors meet TIA/EIA-568C.3 A.4.9 Durability:
500 mating cycles

Fiber count:

8 and 12

Split sleeve material:

Zirconia ceramic

environmental properties

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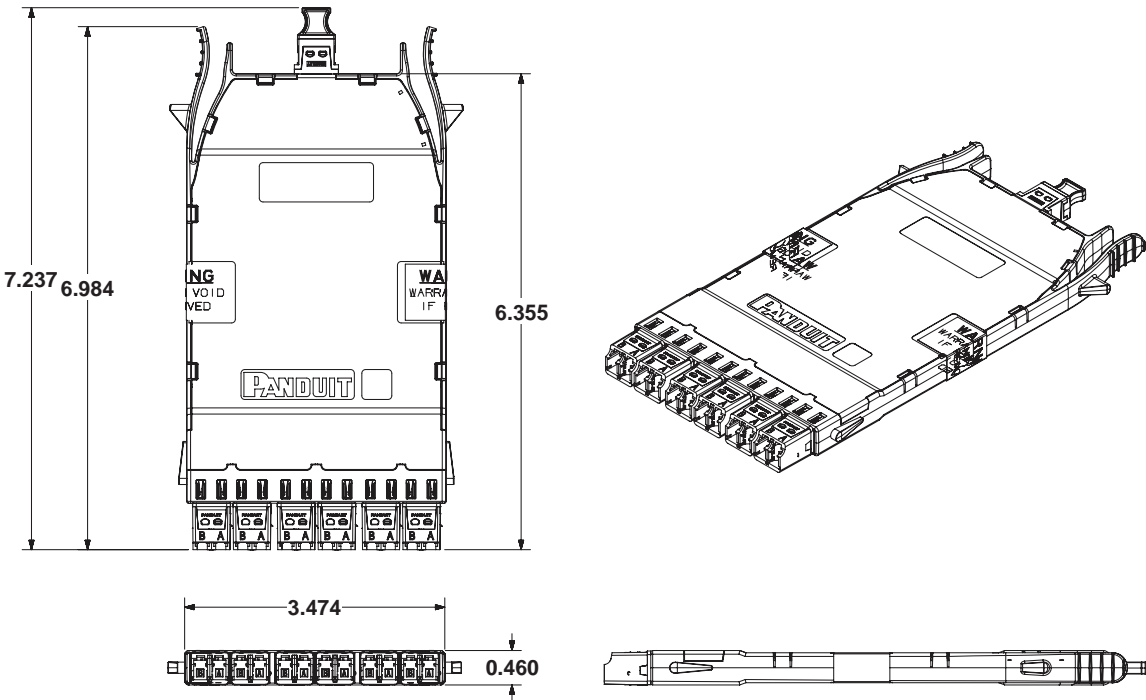
standards

Meets or exceeds: ISO/IEC 11801, ANSI/TIA-568-C.3,
TIA-604-5 (FOCIS-5), TIA-604-10 (FOCIS-10),
RoHS Compliant

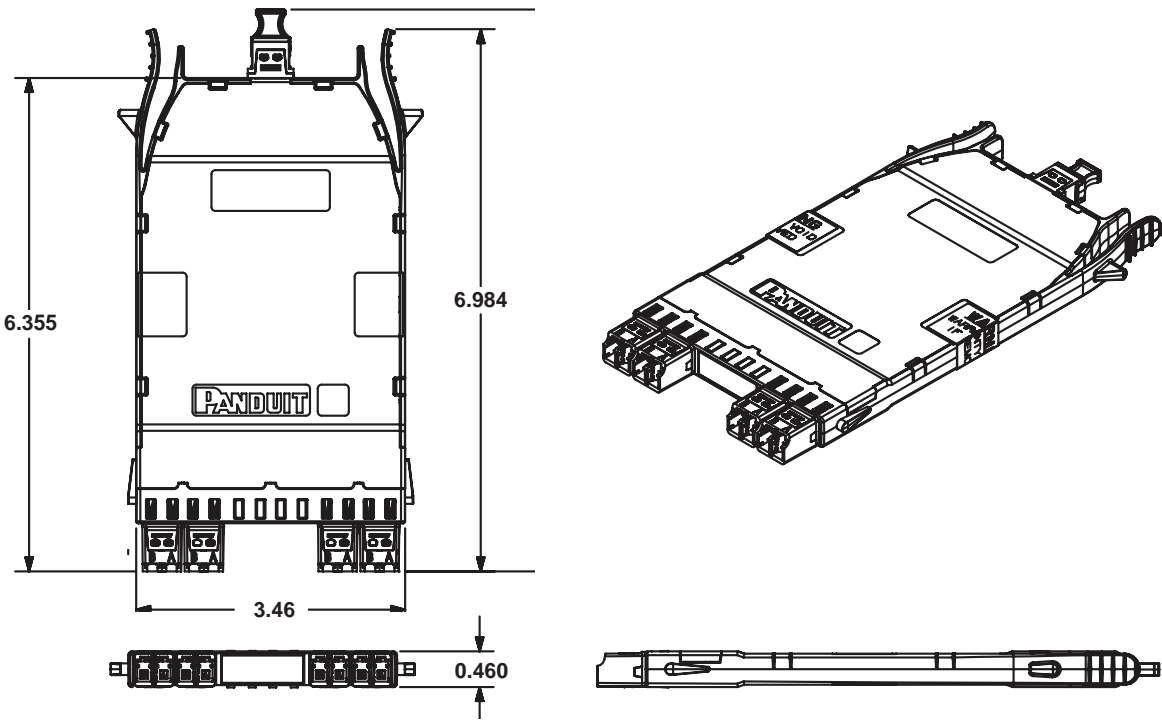
HD Flex™ Fiber Optic Cassettes

Part Number	Description	Std. Pkg. Qty.
HD Flex™ Cassettes – 1 MPO to 6 LC Duplex		
OM4 Fiber/Optimized Loss (0.50 dB)		
FHCZO-12-10AS	Method A Polarity	1
FHCZO-12-10AF	Modified Method A Polarity (Pair flipped)	1
FHCZO-12-10BN	Method B Polarity	1
OM4 Fiber/Ultra Low Loss (0.35 dB)		
FHCZA-12-10AS	Method A Polarity	1
FHCZA-12-10AF	Modified Method A Polarity (Pair flipped)	1
FHCZA-12-10BN	Method B Polarity	1
OM3 Fiber/Optimized Loss (0.50 dB)		
FHCXO-12-10AS	Method A Polarity	1
FHCXO-12-10AF	Modified Method A Polarity (Pair flipped)	1
FHCXO-12-10BN	Method B Polarity	1
OS2 Fiber/Standard Loss (0.75 dB)		
FHC9N-12-10AS	Method A Polarity	1
FHC9N-12-10AF	Modified Method A Polarity (Pair flipped)	1
HD Flex™ Breakout Cassettes – 1 MPO to 4 LC Duplex		
OM4 Fiber/Optimized Loss (0.50 dB)		
FHC3ZO-08-10BN	Method B Polarity	1
OM4 Fiber/Ultra Low Loss (0.35 dB)		
FHC3ZA-08-10BN	Method B Polarity	1
OM3 Fiber/Optimized Loss (0.50 dB)		
FHC3XO-08-10BN	Method B Polarity	1
OS2 Fiber/Standard Loss (0.75 dB)		
FHC39N-08-10AN	Method B Polarity	1
HD Flex™ LC Splice Cassettes		
OM4 Fiber/Optimized Loss (0.15 dB)		
FHSZO-12-10P	Pre-loaded with 12 pigtails (250µm) and 12 splice sleeves	1
FHSZO-12-10R	Pre-loaded with 12-fiber ribbon pigtail and 1 ribbon fiber splice sleeve	1
OM4 Fiber/Ultra Low Loss (0.10 dB)		
FHSZA-12-10P	Pre-loaded with 12 pigtails (250µm) and 12 splice sleeves	1
FHSZA-12-10R	Pre-loaded with 12-fiber ribbon pigtail and 1 ribbon fiber splice sleeve	1
OM3 Fiber/Optimized Loss (0.15 dB)		
FHSXO-12-10P	Pre-loaded with 12 pigtails (250µm) and 12 splice sleeves	1
FHSXO-12-10R	Pre-loaded with 12-fiber ribbon pigtail and 1 ribbon fiber splice sleeve	1
OS2 Fiber/Standard Loss (0.35 dB)		
FHS9N-12-10P	Pre-loaded with 12 pigtails (250µm) and 12 splice sleeves	1
FHS9N-12-10R	Pre-loaded with 12-fiber ribbon pigtail and 1 ribbon fiber splice sleeve	1
HD Flex™ LC and MPO Fiber Adapter Panels		
LC Fiber Adapter Panels		
FHSXN-12-10N	6 LC Duplex Multimode Adapters in Aqua with Zirconia sleeves	1
FHS9N-12-10N	6 LC Duplex Singlemode Adapters in Blue with Zirconia sleeves	1
MPO Fiber Adapter Panels		
FHMP-6-ABL	6 MPO Type A Adapters (Key-Up to Key-Down) in Black	1
FHMP-6-BCG	6 MPO Type B Adapters (Key-Up to Key-Up) in Charcoal Gray	1
FHMP-6-ARD	6 MPO Type A Adapters (Key-Up to Key-Down) in Red	1

6-port Duplex LC to MPO Cassette

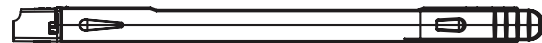
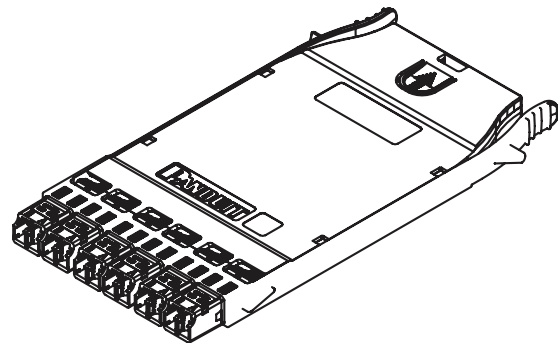
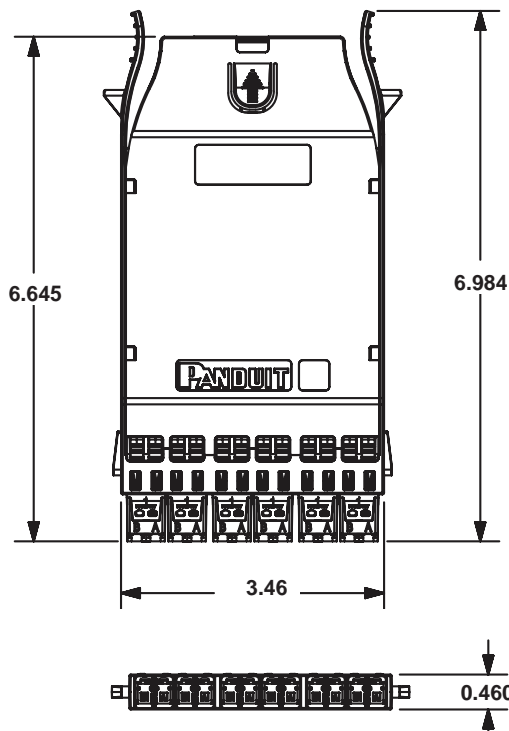


4-port Duplex LC to MPO Breakout Cassette

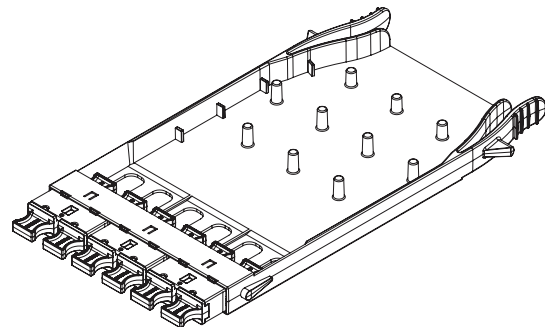
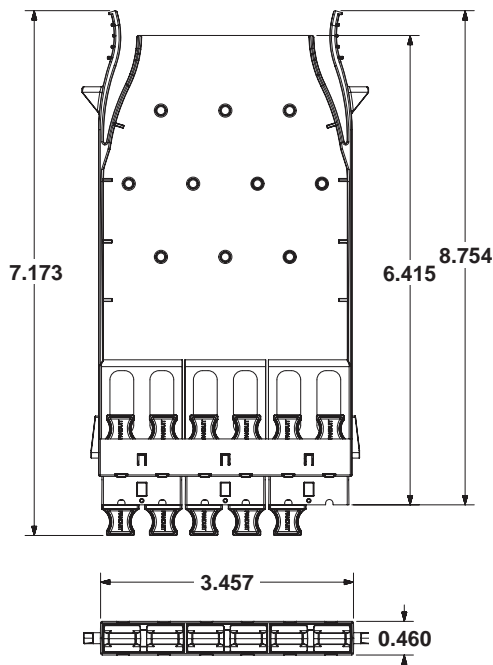


HD Flex™ Fiber Optic Cassettes

6-port Duplex LC Splice Cassette/Fiber Adapter Panel



6-port MPO Fiber Adapter Panel



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