

HD Flex™ Fiber Optic Splitter Cassettes

SPECIFICATIONS

HD Flex™ Fiber Optic Splitter Cassettes offer a wide array of deployment options to support Passive Optical Networks (PON). Cassette types are available in the very small, high density HD Flex form factor and can be deployed in all HD Flex enclosure and distribution products. Splitters are available in one or two input ports and from two to sixteen output ports that provide uniform splitting of the input(s) power. All LC connectors contain integral shutters to help prevent contamination.



STANDARDS

ISO/IEC 11801	TIA/EIA-455-180
ANSI/TIA-568-C.3	Telcordia GR-aCORE
ITU-T G.652 series	TIA-604-10 (FOCIS-10)
IEC 60793-2-50	RoHS Compliant

CONSTRUCTION

Fiber type:	OS2 9/125µm ITU-T G.652C/D	IEC 60793-2-50 Type B1.3
Front connectors:	LC/APC Duplex Adapters (Shuttered)	
Available splitting configurations:	1x2, 1x4, 1x8, 1x16, 2x8, 2x16	

APPLICATIONS

Allows system designers to tailor PON architecture, reach and splitting configuration to application requirements; to minimize waste, optimize cable power budget, speed deployment, and improve flexibility and manageability for lower installation costs.

PERFORMANCE PROPERTIES

Insertion loss (dB) (per FOTP 180):	1x2	1x4	1x8	1x16
	3.8	7.5	10.7	14.2
	2x2	2x4	2.8	2x16
	-	-	11.7	15.0
Directivity (dB) (per GR-1209-CORE):	>55			
Return loss (dB) (per FOTP-107):	>55			
Uniformity (per GR-1209-CORE):	1x2	1x4	1x8	1x16
	0.6	1.0	1.0	1.5
	2x2	2x4	2.8	2x16
	-	-	11.7	15.0
Wavelength range:	1260-1650nm			
Connector durability (per TIA/EIA-568C.3):	500 mates			
Split sleeve material:	Zirconia ceramic			

HD Flex™ Fiber Optic Splitter Cassettes

ENVIRONMENTAL PROPERTIES

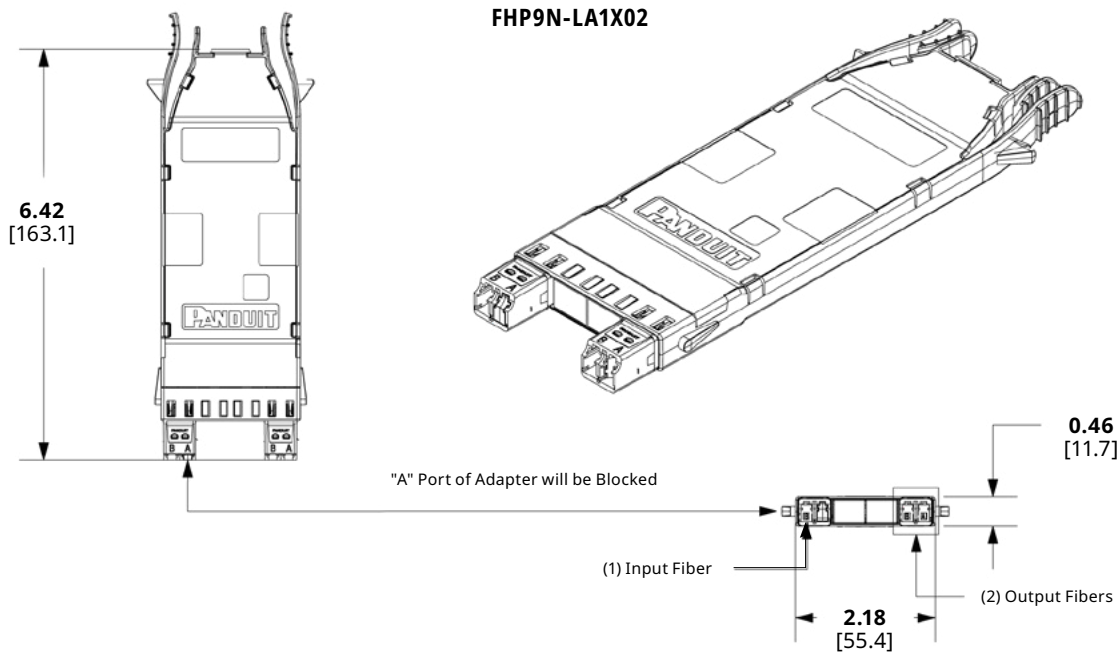
Operating temperature:	-20°C to +70°C (-4°F to 158°F)
Storage and shipping temperature:	-40°C to +70°C (-40°F to 158°F)
Installation temperature:	0°C to +60°C (32°F to 140°F)

Part Number (single input)	Description
FHP9N-LA1X02	2 Simplex Output Ports
FHP9N-LA1X04	4 Simplex Output Ports
FHP9N-LA1X08	8 Simplex Output Ports
FHP9N-LA1X16	16 Simplex Output Ports

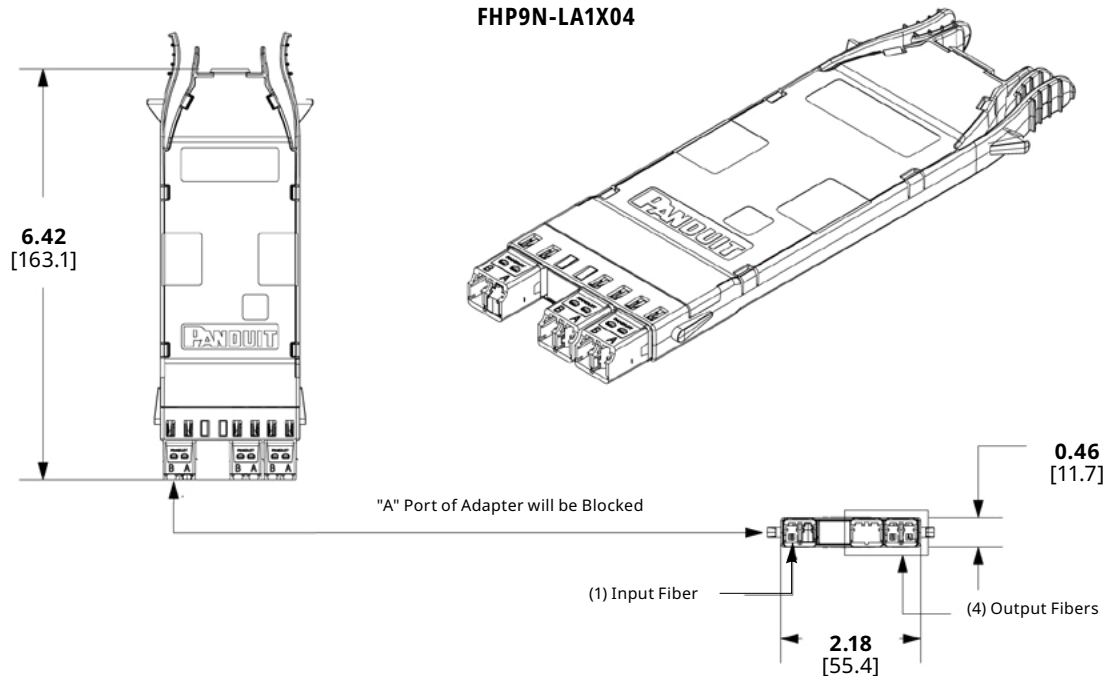
HD Flex™ Fiber Optic Splitter Cassettes

ENGINEERING DRAWINGS

**1 x 2 Splitter Cassette:
FHP9N-LA1X02**



**1 x 4 Splitter Cassette:
FHP9N-LA1X04**

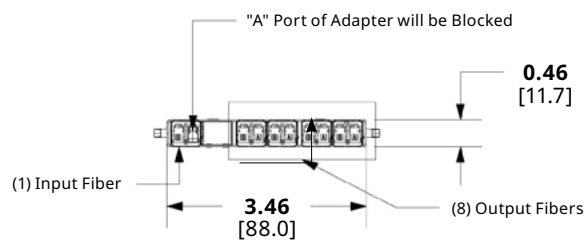
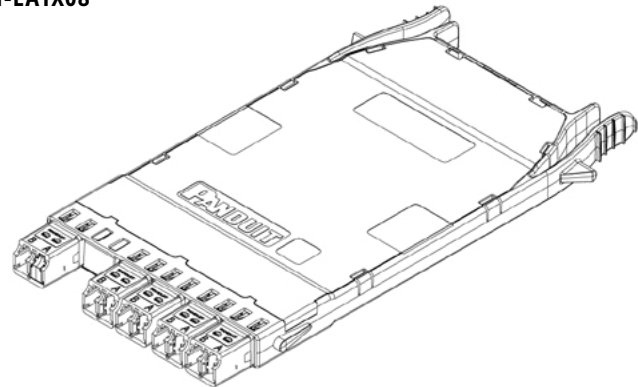
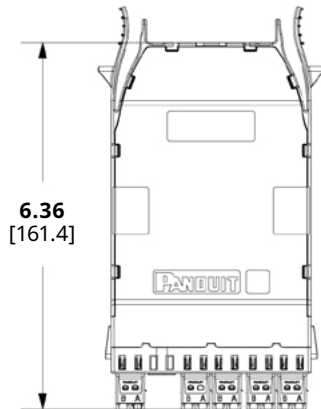


Dimensions are in inches. [Dimensions in brackets are metric].

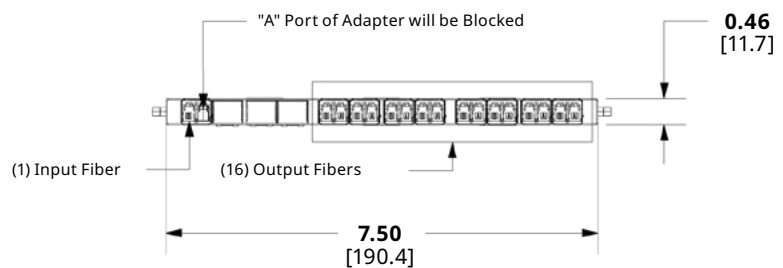
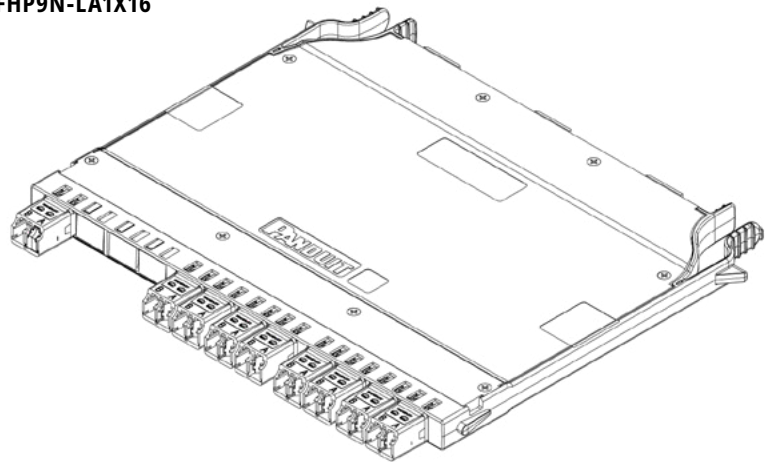
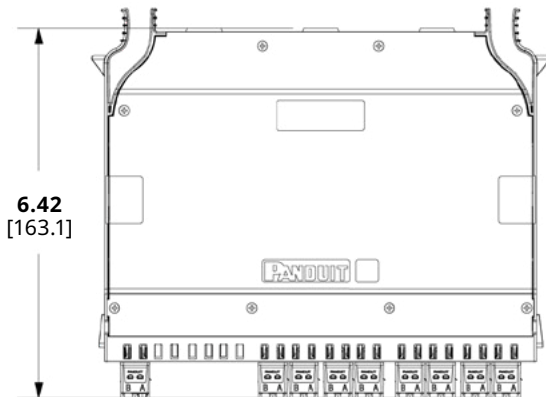
HD Flex™ Fiber Optic Splitter Cassettes

ENGINEERING DRAWINGS

**1 x 8 Splitter Cassette:
FHP9N-LA1X08**



**1 x 16 Splitter Cassette:
FHP9N-LA1X16**



Dimensions are in inches. [Dimensions in brackets are metric].