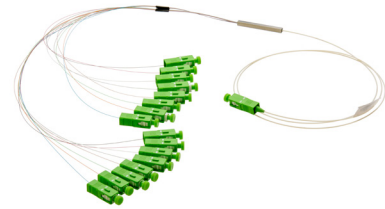


PLC Splitters for Passive Optical Networks

SPECIFICATIONS

The planar-lightwave-circuit optical splitters shall be in a discrete form factor for use in wall-mounted PON enclosures. The PLC splitters shall be available in 1X4, 1X8, 1X16, and 1X32 configurations, with an option for either bare-fiber or pre-connectorized with SC-APC pre-polished connectors. The splitters shall be optimized for low input polarization sensitivity.



APPLICATIONS

For use in passive optical networks to split a single fiber signal into 4, 8, 16, or 32 channels that enable optical network terminal installation at the access or edge layer of the network.

PHYSICAL AND MECHANICAL PROPERTIES

Split ratio:	1X4	1X8	1X16	1X32
Operating wavelength:	1260-1650nm			
Insertion loss:	7.5dB	11.0dB	14.2dB	17.8dB
IL uniformity:	1.0dB	1.0dB	1.5dB	2.0dB
Polarization dependency:	0.3dB	0.3dB	0.4dB	0.45dB
Directivity:	> 55dB			
Return loss:	> 55dB			
Max. optical power:	300 mw			
Temperature range:	Storage: -40°C to +85°C Operating: -40°C to +85°C			
Storage relative humidity:	20-90 (%RH)			

*Note: Values do not include connector loss.

PART NUMBER CONFIGURATOR

Example: FPONCS1X32 - Fiber Optic PLC Splitter, 1X32 Ratio, with 1 SC-APC to 32 SC-APC Connectors.

Character	1	2	3	4	5	6	7	8	9	10
Example	F	P	O	N	C	S	1	X	32	32

1 - Fiber
2, 3, 4- PON
5 -

F = Fiber
PON = Passive Optical Network
C = Connectorized
S = Splice-Read

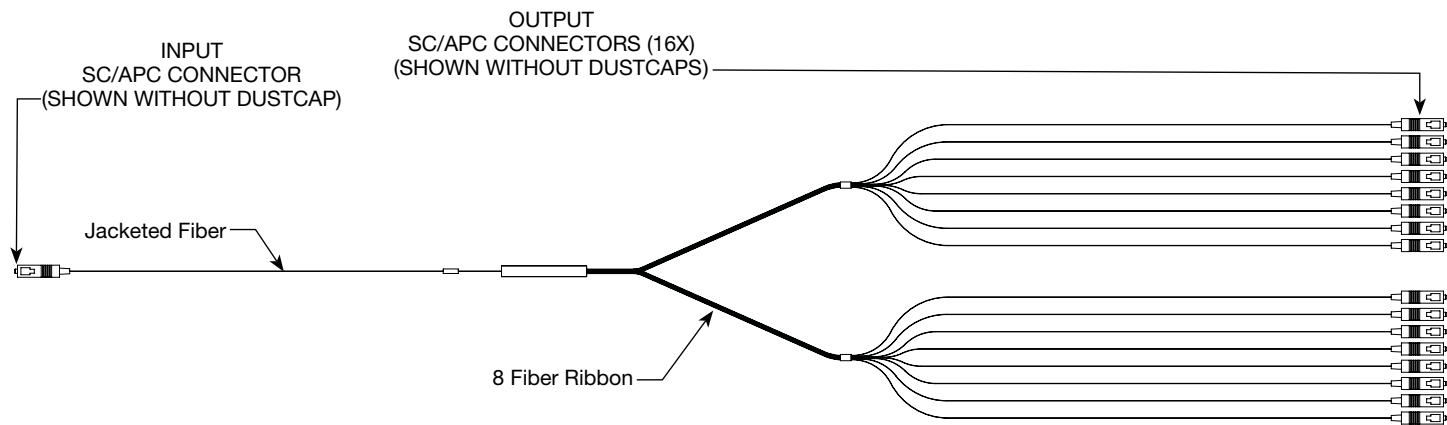
6 -
7, 8, 9,-
10

S = Splitter
1X4 = 1 to 4 Split Ratio
1X8 = 1 to 8 Split Ratio
1X16 = 1 to 16 Split Ratio
1X32= 1 to 32 Split Ratio

*Note: Connectorized splitters will have SC-APC Connectors on both the input and output ends

PLC Splitters for Passive Optical Networks

ENGINEERING DRAWING



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