

fiber plc splitter



COALESCE FIBER SPLITTER : CS-SMSP/APC-XX

Fiber Optic PLC Splitter is an essential passive component in Fiber to the Home network. The full name of PLC Splitter is Planar Lightwave Circuit Splitter. It adopts silica optical waveguide technology and is used for optical power allocation from central office to customer premises in FTTx and FTTH networks.

PLC Splitter offers a cost effective and space saving networking solution in optical transmission system

CS-SMSP/APC-XX is a single mode simplex fiber splitter with SC/APC connector having a fiber endface that is polished at an 8-degree angle to reduce the return loss and PLC Splitters are available in a variety of port configurations, including 1x2 splitter, 1x4 splitter, 1x8 splitter, 1x16 splitter, 1x32 splitter, 1x64 splitter

Features:

- Simplex Pigtail with SC/APC type connector
- Fiber Mode: Singlemode (G.652)
- Uniform power splitting
- Compact package dimension
- Low polarization dependent loss
- Good channel-to-channel uniformity
- Low Insertion Loss and high Return Loss
- Environmentally and mechanically stable
- Wide operating wavelength range from 1260nm to 1650nm

Application

Fiber to the Home

Specifications

Connector Type : SC/APC

Operating Wavelength : 1260~1650

Cable Diameter : 2mm

Durability (Times) : ≥ 600

Tensile Strength (N) : ≥ 55

Working Temp ($^{\circ}\text{C}$) : -25 to + 75

Cable Length. : 0.5 meter

Port : 1:2 , 1:4 , 1:16 , 1:32 , 1:64

1 Year Warranty

Under Warranty Call Lock thru Email and SMS

Easy Warranty renewals options

Dedicated Support Team for Troubleshooting

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Port Configuration		1×2	1×4	1×8	1×16	1×32	1×64
Operating Wavelength (nm)		1260~1650					
Insertion Loss (dB)	Typ.	3.6	6.8	10.0	13.0	16.0	19.5
	Max.	4.0	7.3	10.5	13.7	16.9	21.0
Loss Uniformity (dB)	Typ.	0.4	0.5	0.5	1.0	1.0	1.5
	Max.	0.6	0.6	0.8	1.2	1.5	2.5
Return Loss (dB)		55	55	55	55	55	55
PDL (dB)	Typ.	0.1	0.1	0.1	0.1	0.2	0.2
	Max.	0.2	0.2	0.3	0.3	0.3	0.4
Directivity (dB)		55	55	55	55	55	55
Fiber Length (m)		1.0 or customized					
Fiber Type		Corning SMF-28e or customized					
Wavelength Dependent Loss (dB)	Typ.	0.2	0.2	0.2	0.3	0.3	0.3
	Max.	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability (-40~+85°C) (dB)	Typ.	0.3	0.3	0.3	0.4	0.4	0.4
	Max.	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)		-40~+85°C					
Storage Temperature (°C)		-40~+85°C					

Package Dimensions:

Size L×W×H (mm)	Port					
100×80×10	1×2	2×2	1×4	2×4	1×8	2×8
120×80×18	1×16			2×16		
142×102×14.5/ 141×115×18	1×32			2×32		
141×115×18	1×64			2×64		

Ordering Information :

CS-SMSP/APC-2 - 1:2 Splitter

CS-SMSP/APC-4 - 1:4 Splitter

CS-SMSP/APC-8 - 1:8 Splitter

CS-SMSP/APC-16 - 1:16 Splitter

CS-SMSP/APC-32 - 1:32 Splitter

CS-SMSP/APC-64 - 1:64 Splitter