

Blockless PLC Fiber Optic Splitter



Blockless PLC Fiber Optic Splitter Descriptions

Blockless PLC fiber splitters are different types, 1x4, 1x8, 1x16, 1x32, 1x64, 2x4, 2x8, 2x16, 2x32, the splitters connectors can be FC,SC,LC, etc. Blockless PLC splitters are with compact stainless tube package, they are important products used in FTTx projects.

PLC splitter is a high quality passive device. It is especially for passive internet (EPON, BPON, and GPON). The different package can follow clients' different inquiry. Types available include 1XN and 2XN.

Blockless PLC Fiber Optic Splitter Features

- Low insertion loss
- Low excess loss
- Low PDL
- High directivity
- Long haul reliability
- Customer defined specifications

Specifications of 1XN PLC splitters

Parameters		1X2	1X4	1X8	1X16	1X32	1X64
Fiber type		SMF-28e or customer specified					
Operating Wavelength		1260-1650					
Insertion loss(dB)	Max(P/A)	3.8/4.0	7.2/7.4	10.5/10.7	13.5/13.7	16.5/16.9	21
Loss Uniformity(dB)	Max	0.6	0.6	0.8	1.2	1.7	2.5
Return loss(dB)	Min(P/A)	55/50	55/50	55/50	55/50	55/50	50
PDL(dB)	Max	0.2	0.2	0.3	0.3	0.3	0.4
Directivity(dB)	Min	55	55	55	55	55	55
Wavelength Dependent loss(dB)	Max	0.5	0.5	0.5	0.8	0.8	0.8
Temperature Stability(-40~85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1
Operating Temperature (°C)		-40 to 85					

Specifications of 2XN PLC splitters

Parameters		2X2	2X4	2X8	2X16	2X32	2X64
Fiber type		SMF-28e or customer specified					
Operating Wavelength		1260-1650					
Insertion loss(dB)	Max(P/A)	4	7.8	11.2	14.6	17.5	22
Loss Uniformity(dB)	Max	0.6	0.6	0.8	1.2	1.7	2.5
Return loss(dB)	Min(P/A)	50	50	50	50	50	50
PDL(dB)	Max	0.2	0.2	0.3	0.3	0.3	0.4
Directivity(dB)	Min	55	55	55	55	55	55
Wavelength Dependent loss(dB)	Max	0.6	0.6	0.6	0.8	1	1
Temperature Stability(-40~85 °C)(dB)	Max	0.6	0.6	0.6	0.8	1	1
Operating Temperature (°C)		-40 to 85					