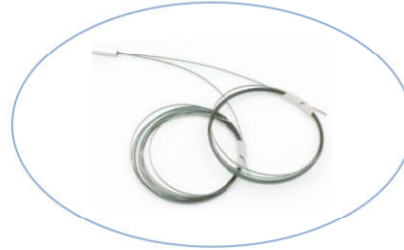


Bare Fiber PLC Splitter

FTTH Computing Infrastructure Solutions



Overview

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology to distribute optical signals from Central Office (CO) to multiple premise locations. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity. These are widely used in PON networks to realize optical signal power splitting as a low-cost solution.

Key Features

- Low Insertion Loss, Low PDL(Polarization Dependent Loss)
- Compact Design
- Exceptional Reliability and Stability
- Wide Operating Wavelength: From 1260nm to 1650nm
- Wide Operating Temperature: From -20°C to 70°C
- Conformed to RoHS

Application

- FTTX Systems
- LAN, WAN and Metro Networks
- Analog/Digital Passive Optical Networks
- CATV Networks
- Other applications in fiber optic systems

Specifications									
Port Configuration	1x2	1x3	1x4	1X6	1x8	1X12	1x16	1x32	1x64
Insertion Loss (dB)	3.8	6.3	7.1	9.8	10.3	12.6	13.2	16.5	20.3
Loss Uniformity (dB)	0.6	0.6	0.6	0.6	0.8	1.0	1.2	1.5	1.5
Polarization Dependent Loss(dB)	0.2	0.2	0.2	0.2	0.2	0.2	0.25	0.3	0.4
Wavelength Dependent Loss(dB)	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Dependent Loss (dB)	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
Return Loss (dB)	≥55								
Directivity (dB)	≥ 55								
Operating Wavelength (nm)	1260~1650								
Fiber Type	G657A1 or customer specified								
Operating Temperature	-40~+85								
Storage Temperature	-40~+85								

Profile Size	
1x2;1x3;1x4;1x6;1x8	4x4x40mm
1x12;1x16	5x4x45mm
1X32	7x4x60mm
1X64	12x4x60mm

Packing	
1x2;1x3;1x4;1x6;1x8;1x12;1x16	1000pcs/carton
1x32	400pcs/carton
1X64	300pcs/carton
packing material	plastic box
Carton Dimension (HxWxD)	430x410x405mm