

Planar Lightwave Circuit Splitter (PLC Splitter)

Description

Planar lightwave circuit splitter (PLC Splitter) is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON(EPON/GPON) networks to realize optical signal power splitting.

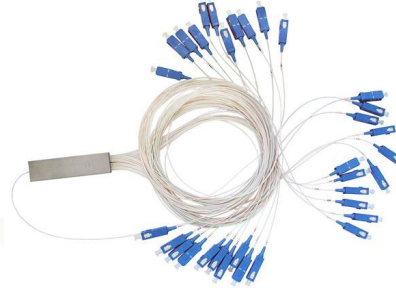
We provides whole series of 1xN and 2xN splitter products that are tailored for specific applications. All PLC Splitter products meet GR-1209-CORE and GR-1221-CORE requirements.

Features

1. Low insertion loss and low PDL
2. High channel counts
3. Exceptional reliability and stability
4. Wide operating wavelength

Applications

1. FTTX Systems
2. LAN, WAN and metro networks
3. Analog/Digital passive optical networks
4. CATV networks
5. Other applications in fiber optic systems

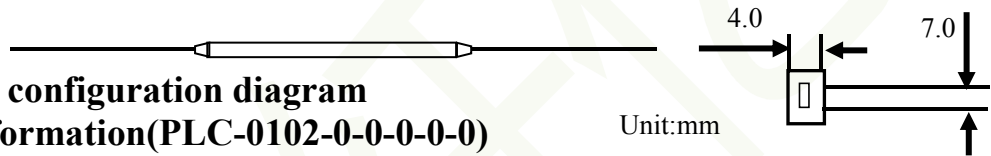
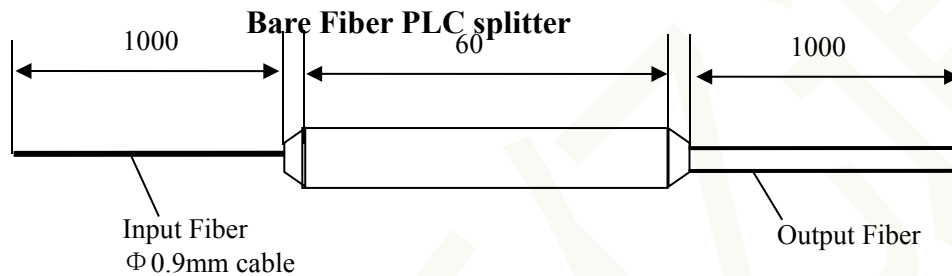
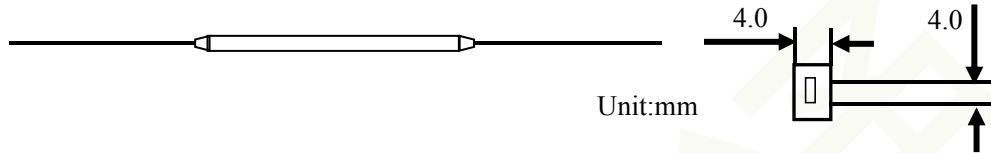
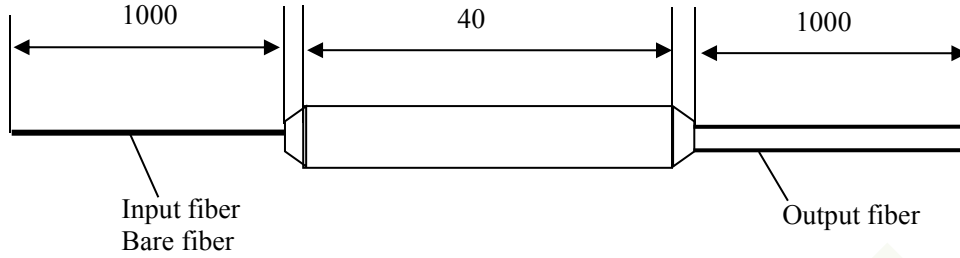


Specification

Parameters	1×8
Operating Wavelength (nm)	1260~1650
Fiber Type	G657A1 or customer specified
Insertion Loss (dB) (P/S Grade)	10.2/10.5
Loss Uniformity (dB)	0.8
Polarization Dependent Loss(dB)	0.2
Return Loss (dB) (P/S Grade)	55/50
Directivity (dB)	55
Wavelength Dependent Loss (dB)	0.3
Temperature Stability (-40~85 °C)(dB)	0.4
Operating Temperature (°C)	-40~85
Storage Temperature (°C)	-40~85
Mini-Module Dimension (mm)	60×7×4

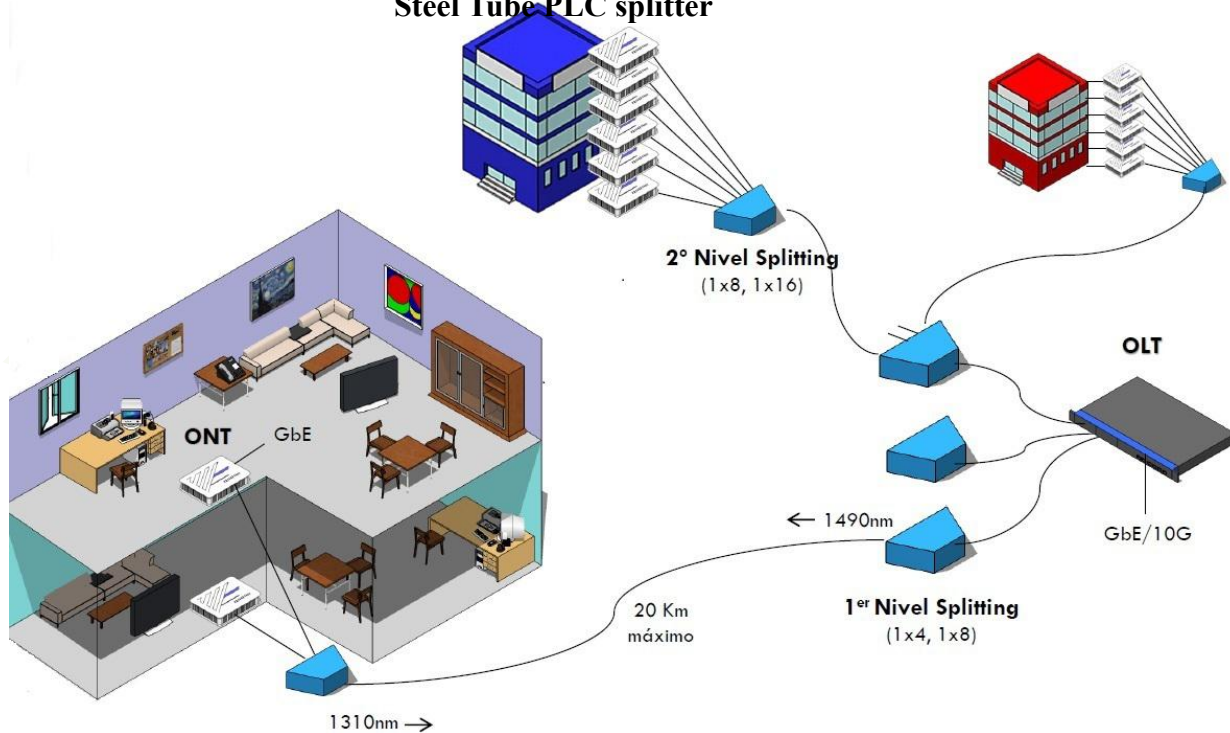
1. Specified without connectors.
2. Add an additional 0.15dB loss per connector.

Packaging information



Applications configuration diagram
Ordering information(PLC-0102-0-0-0-0-0)

Steel Tube PLC splitter



Product	Port	Input Pigtail Style	Input Connector	Output Pigtail Style	Output Connector	Fiber Length
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PLC	0102=1x2	0=bare fiber	0=none	0=bare fiber	0=none	0=0.5m
	0104=1x4	1=900um	1=SC/PC	1=900um	1=SC/PC	1=1m
	0108=1x8	Loose tube	2=SC/APC	2=900um	2=SC/APC	2=1.5m
	0116=1x16	2=900umJacket	3=FC/PC	3=2.0mm	3=FC/PC	3=2m
	0132=1x32	3=2.0mmcable	4=FC/APC	4=3.0mm	4=FC/APC	4=3m
	0164=1x64	4=3.0mmcable	5=ST		5=ST/PC	5=4m
	1128=1x128		6=LC		6=LC/PC	S=special
		7=LC/APC		7=LC/APC		
		8=E2000		8=E2000		
		S=Special		S=Special		