

Planar Lightwave Circuit (PLC) Optical Splitter

Description

Planar Lightwave Circuit Splitter is a passive component used for uniformly splitting. The PLC Splitter is built based on accurate alignment system and the mature manufacturing technology. It is fully compliant with Telcordia GR-1209 and GR-1221 reliability qualification requirement.

Features

High uniformity and reliability	Wide operating wavelength 1260~1650nm
Low insertion and return loss	Built with Corning G.657 Grade A optical fiber
Low Polarization Dependent Loss(PDL)	Operating temperature -40°C to 85°C

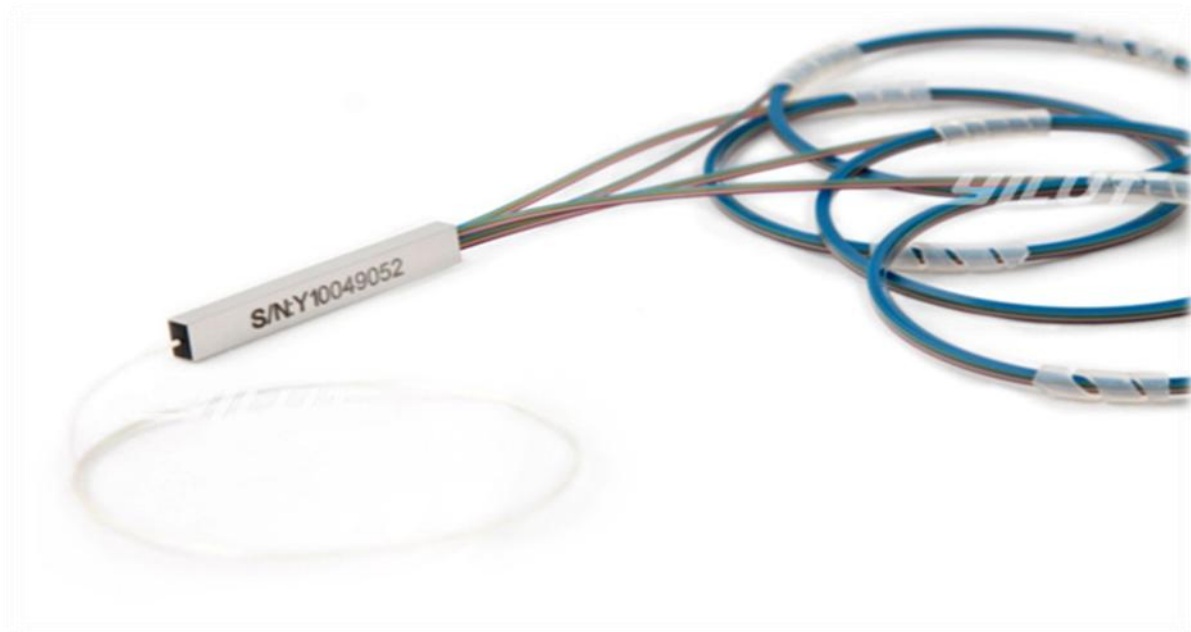
Applications

FTTH deployments	CATV networks
Access/PON distributions	LAN,WAN,Metro

Certification

and Compliance

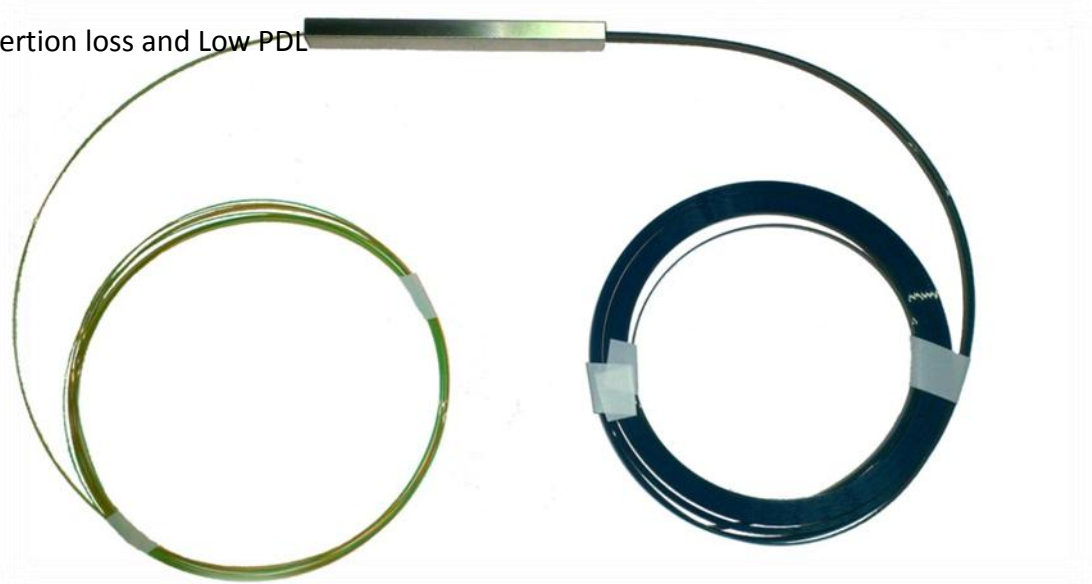
GR-1209-CORE	Requirements for Passive Optical Components.
GR-1221-CORE	Reliability Assurance Requirements for Passive Optical Components.
GR-326-CORE	Requirements for Single Mode Optical Connectors and Jumpers Assemblies.
TIA-604	Fiber Optic Connector Interchangeability Standard.
ROHS	Directive on Restriction of Hazardous Substances.



Module Package PLC Splitter

● Product Features

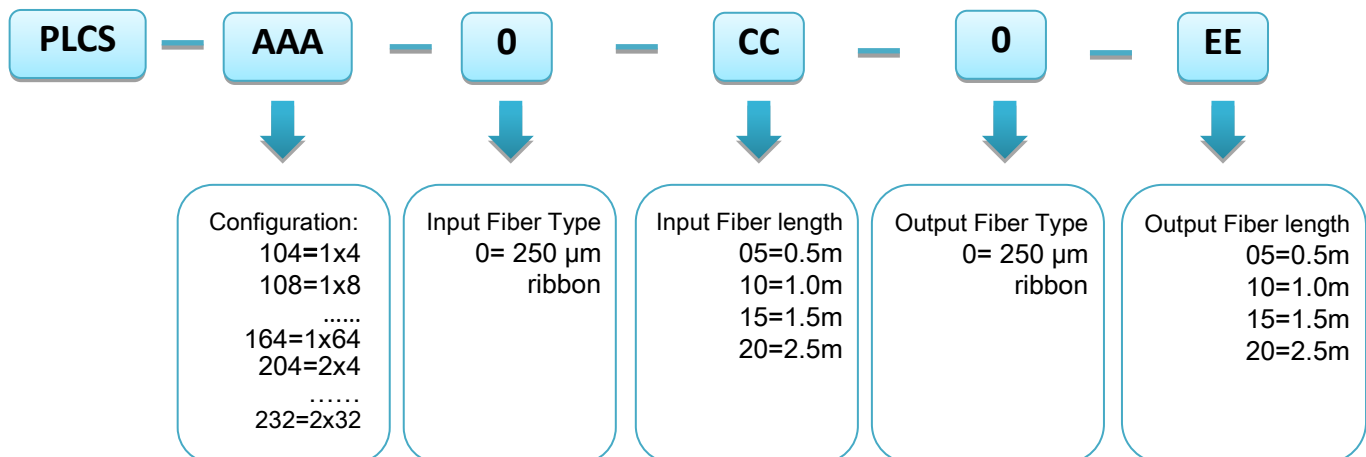
- ✧ Compact size and various packages
- ✧ High reliability
- ✧ Low insertion loss and Low PDL



● Package dimensions

WxHxL(mm)	PORT			
40x4x4	1x4	1x8	2x4	2x8
50x7x4	1x16		1x32	
60x7x4	2x16		2x32	
60x12x4	1x64			

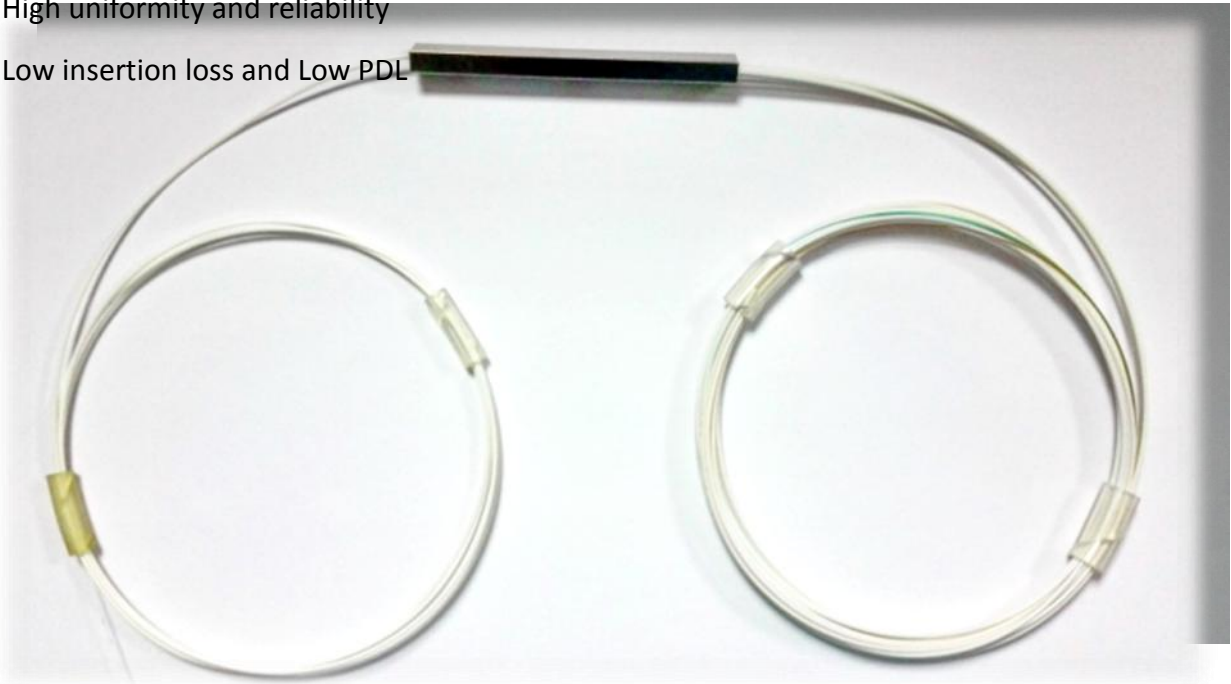
● Ordering Information



Mini Package PLC Splitter

● Product Features

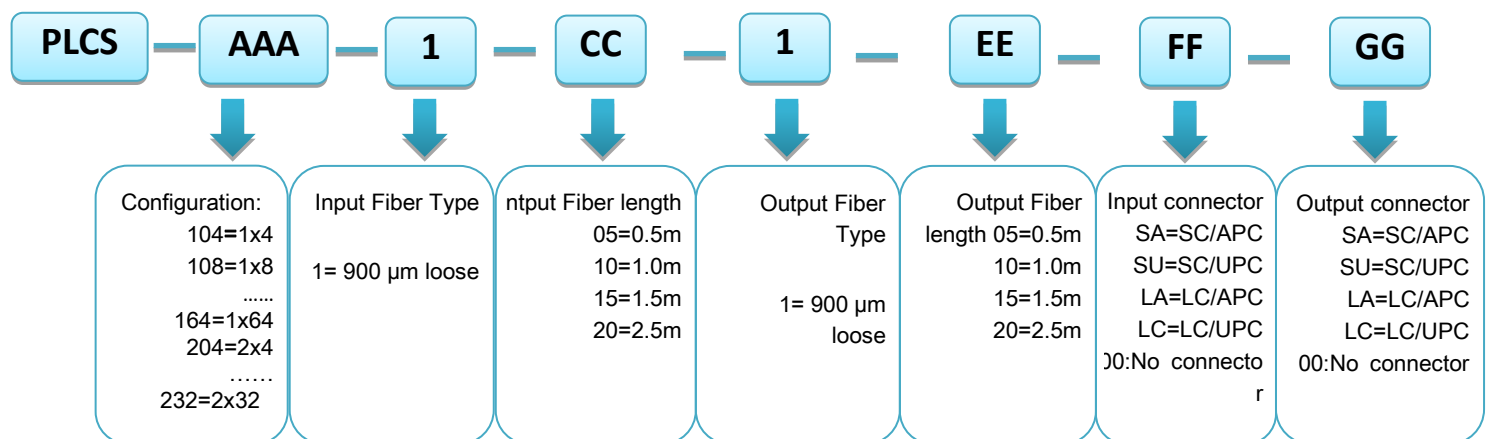
- ✧ 900µm hytel loose Fiber direct output,
- ✧ High uniformity and reliability
- ✧ Low insertion loss and Low PDL



● Package dimensions

WxHxL(mm)	PORT			
60x7x4	1x4	1x8	2x4	2x8
60x12x4	1x16		2x16	
80x12x6	1x32		2x32	
100x40x6	1x64			

● Ordering Information



Device Package PLC Splitter

● Product Features

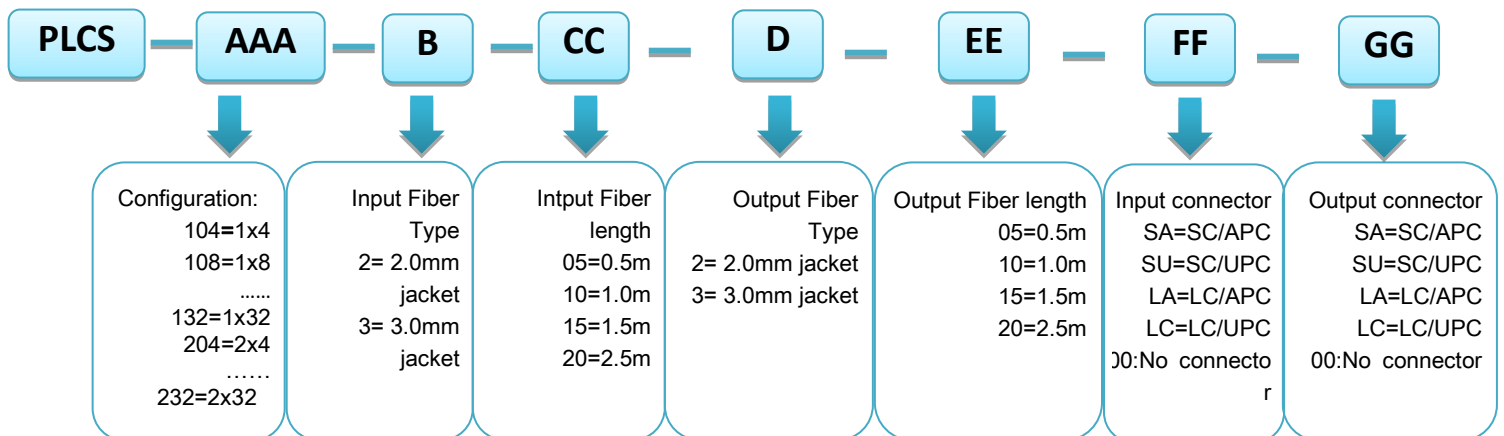
- ✧ High quality ABS box body
- ✧ Compact size and various packages
- ✧ Low insertion loss and Low PDL



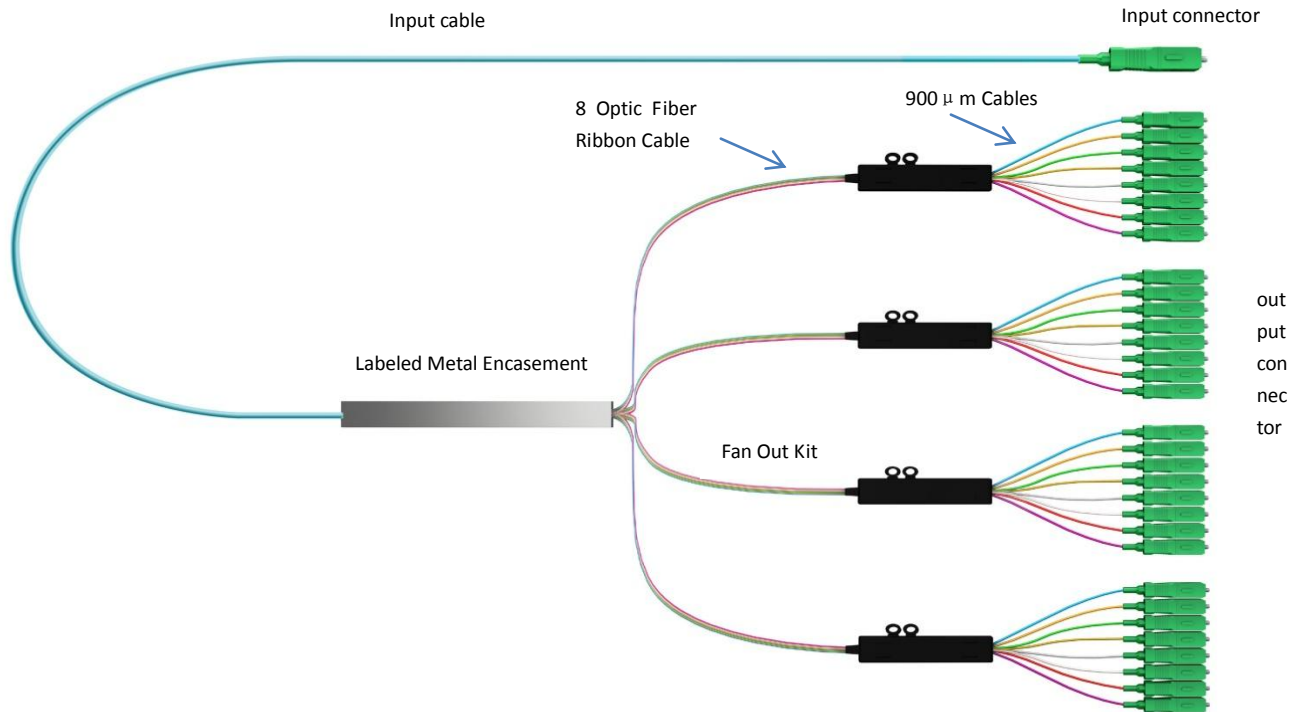
● Package dimensions

WxHxL(mm)		PORT		
100x80x10	1x4	1x8	2x4	2x8
120x80x18	1x16	1x32	2x16	2x32
140x114x18	1x32	2x32	1x64	

● Ordering Information



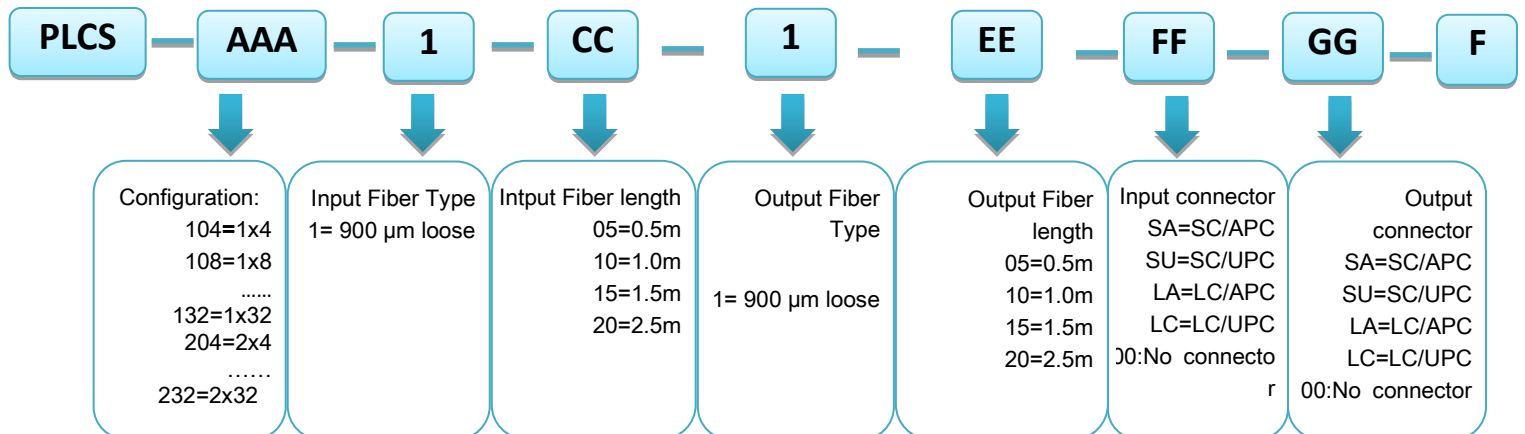
Fan-out type PLC Splitter



● Package dimensions(mm)

WxHxL(mm)	PORT			
40x4x4	1x4	1x8	2x4	2x8
50x7x4	1x16		1x32	
60x7x4	2x16		2x32	
60x12x4	1x64			

● Ordering Information



Specifications

- 1xN/2xN PLC Splitters (without connects)

Parameter	1x4	1x8	1x16	1x32	1x64	2x4	2x8	2x16	2x32
Operating wavelength (nm)	1260~1650								
Port wavelength range (nm)	1310±20; 1490±10; 1550±20								
Insertion loss @ 1310 nm/1550 nm	7.1	10.5	13.6	16.8	20.5	7.4	10.8	14.5	17.5
Uniformity (dB)	0.5	0.8	1	1.2	1.8	1.2	1.5	1.8	2
PDL @ 1310/1550 nm (dB)	≤0.3								
Return loss @ 1310/1550 nm (dB)	≤-55								
Input power (mW)	250 max								
Operating temperature (°C)	-40~+85°C								
Storage Temperature (°C)	-40~+85°C								
Fiber Type	Corning G657A1								

- 1xN/2xN PLC Splitters (with connects)

Parameter	1x4	1x8	1x16	1x32	1x64	2x4	2x8	2x16	2x32
Operating wavelength (nm)	1260~1650								
Port wavelength range (nm)	1310±20; 1490±10; 1550±20								
Insertion loss @ 1310 nm/1550 nm	7.5	10.8	14	17.2	20.8	7.6	11.2	14.9	17.9
Uniformity (dB)	0.8	1.0	1.2	1.6	1.8	1.2	1.5	1.8	2
PDL @ 1310/1550 nm (dB)	≤0.3								
Return loss @ 1310/1550 nm (dB)	≤-55								
Input power (mW)	250 max								
Operating temperature (°C)	-40~+85°C								
Storage Temperature (°C)	-40~+85°C								
Fiber Type	Corning G657A1								