

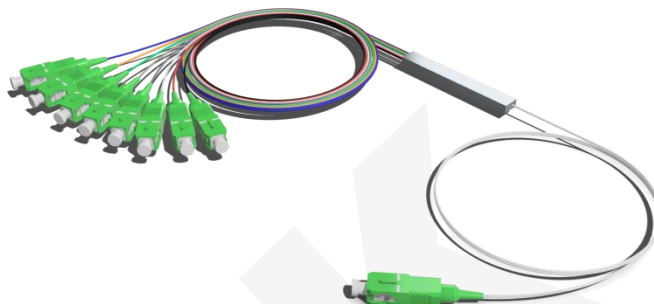


## BLOCKLESS PLC SPLITTER SERIES

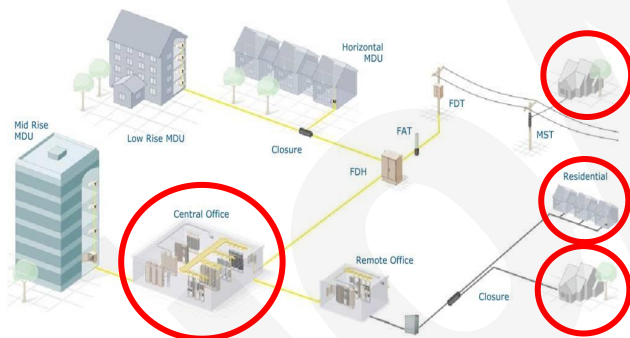
### Description

Planar lightwave circuit 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 networks to realize optical signal power splitting.

We provide whole series of 1xN and 2xN splitter products that are tailored for specific applications.



### Application



### Advantages

FTTH, FTTC, FTTB

Passive Optical Networks(PON)

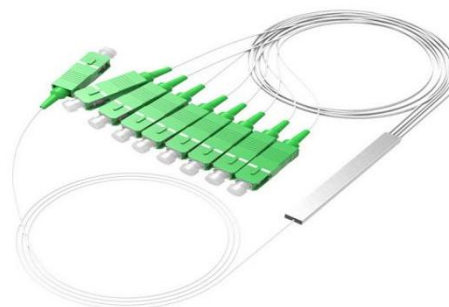
CATV networks and data communications

Fiber optic equipment and systems

### Features

Planar Lightwave Circuits(PLC) Optical Splitter are fully passive optical branching devices that exhibit very low insertion loss and PDL, great channel uniformity and a wide wavelength operative range. These splitters are manufactured and tested to Telcordia-1209-core & GR-1221-core to provide high performance, specifically designed to meet the tough requirement of FTTH, PON and CATV networks.

- High uniformity
- Low insertion loss
- Compact & small size
- High reliability and stability
- Optional input & output
- Single Mode Fiber Type G657A





## Specification

Blockless PLC Specification										
Wavelength(nm)	1260-1650									
Parameters	1×4	1×8	1×16	1×32	1×64	2×4	2×8	2×16	2×32	2x64
Insertion Loss (with connector) (dB)	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4	≤7.5	≤10.8	≤14.1	≤17.4	≤21
Uniformity (dB)	≤0.8	≤0.8	≤1.0	≤1.3	≤2.0	≤1.0	≤1.0	≤1.5	≤2.0	≤2.5
PDL(dB)	≤0.17	≤0.19	≤0.17	≤0.2	≤0.19	≤0.18	≤0.19	≤0.19	≤0.14	≤0.16
Size(H×W×L)(mm)	4x7x60		4x12x60	6x20x80	6x40x100		4x7x60	4x12x60	6x20x80	6x40x100
Return Loss(dB)	UPC≥50					APC≥55				
Directivity(dB)	≥55									
Temperature Range(℃)	-40 ~ +85									
Storage Temperature(℃)	-40 ~ +85									

## Ordering Information

BL108-I212LB-O212LB								
BR	108	I/O	2	1	2	L	B	
BR - Bare Splitter	102-1x2	I - Input O - Output	0 - Wlithout connector	1 - 900um 2 - 2.0mm 3 - 3.0mm 4 - 250um	1 - 1M 2 - 1.2M 3 - 1.5M 4 - 0.5M 5 - 0.8M 6 - 2.0M	T - Tight buff L - Loss buff N - None	W - White M - Multicolour B - Black Y - Yellow	
BL - Blockless Splitter	104-1x4		1 - SC/UPC					
CS - Cassette Splitter	108-1x8		2 - SC/APC					
MD - Module Splitter	116-1x16		3 - LC/UPC					
IS - Insert Type Splitter	132-1x32		4 - LC/APC					
RM - Rack Mount Splitter	164-1x64		5 - FC/UPC					
			6 - FC/APC					
			7 - ST/PC					