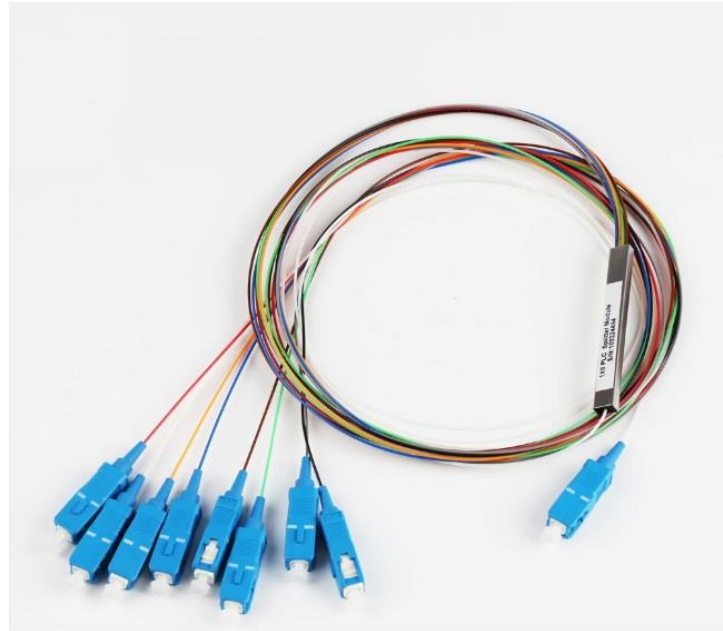


## PLC COMPACT SPLITTER



Planar Lightwave Circuit (PLC) Splitters are built using unique silica glass waveguide process. These devices have low insertion loss with high return loss over a wide wavelength range. The input of PLC Splitters distribute optical power to the output ports and are commonly used in FTTx systems, communication networks, Analog Passive Optical Networks, CATV networks and other fiber optic systems. PLC compact splitter can be installed in fiber termination box, fiber distribution box, splice closure and rack mounted splitter box. The compact design can save installation space and time.

### Features

- Low Insertion loss & High Return Loss
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength Range 1260~1650nm
- Wide Operating Temperature: From -40°C to 85°C
- High Reliability and Stability For Indoor and Outdoor Applications

### Applications

- FTTX Systems
- PON Networks
- CATV Links
- Optical Signal Distribution

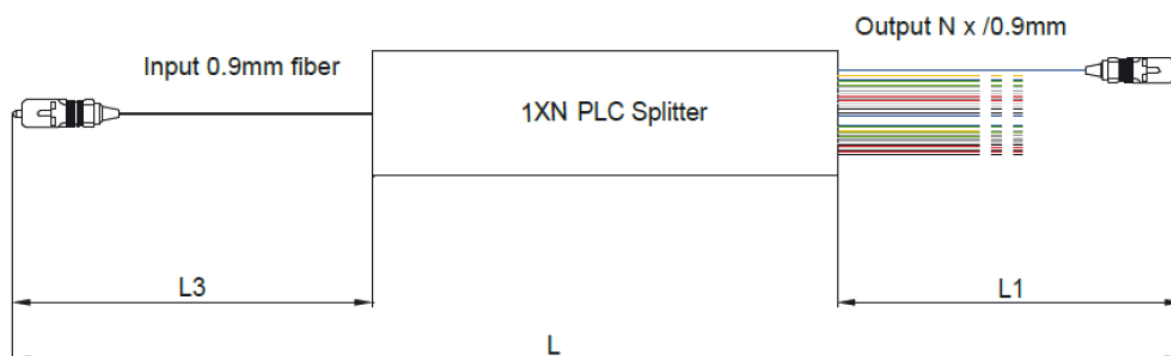
- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- IEC 61300
- RoHS

## Specifications

Parameters		1x2	1x4	1x8	1x16	1x32	1x64
<b>Operating Wavelength(nm)</b>		1260~1650					
<b>Insertion Loss (dB)</b>	Typical	3.6	6.8	10.0	13.1	16.2	20.0
	Max	3.8	7.2	10.5	13.6	16.5	20.5
<b>Uniformity (dB)</b>	Typical	0.3	0.4	0.5	0.6	0.8	1.2
	Max	0.4	0.6	0.8	1.2	1.5	2.5
<b>PDL (dB)</b>	Typical	0.1	0.1	0.15	0.15	0.15	0.2
	Max	0.2	0.2	0.3	0.3	0.3	0.4
<b>Return Loss (dB)</b>	Min	55(w/o connector or APC), 50(PC)					
<b>Directivity (dB)</b>	Min	55					
<b>Fiber Type</b>		ITU-T G657A1 or customer specified					
<b>Input &amp; Output Length</b>		1M or customized					
<b>Connector Type</b>		SC, LC or FC					
<b>WDL (dB)</b>	Typical	0.2	0.2	0.2	0.3	0.3	0.3
	Max	0.3	0.3	0.3	0.5	0.5	0.5
<b>TDL (dB) (-40~85°C)</b>	Typical	0.2	0.2	0.2	0.3	0.3	0.3
	Max	0.4	0.4	0.4	0.5	0.5	0.5
<b>Operating Temperature (°C)</b>		-40~85					
<b>Storage Temperature (°C)</b>		-40~85					
<b>Compact Splitter Size(mm)</b>		60x7x4			60x12x4	80x20x6	100x40x6

Notes: 1. Measurements are done at 1310 & 1550nm, room temperature. Connector loss is excluded in the above specifications. Add 0.4dB IL if two connectors are added on input and output.

## Schematic Drawing



## Packing

