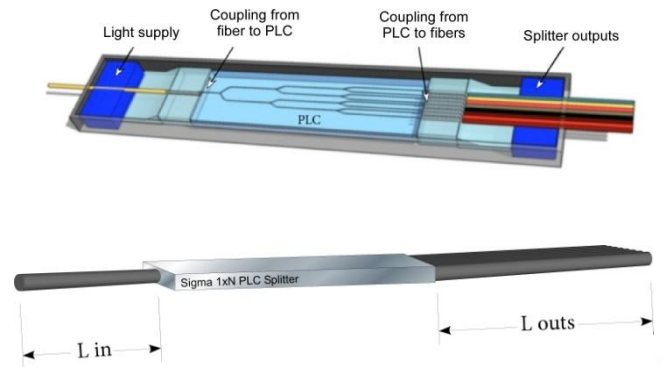


## SPLITTER - Optical splitter 1xN balanced



### Structure & composition

The Planar Light wave Circuit (PLC) splitters divided a light beam into N streams depending on the requirements. Both the input and light output are achieved by coupling optical fibers.

### Description & applications

The splitter 1xN is a passive device used in FTTH network for split the light in one direction and coupler it in the opposite.

The product complies Telcordia GR-1221, Telcordia GR-1209 e IEC 61753-1 standards.

### Specifications

	Split > Units	1x2	1x4	1x8	1x16	1x32	1x64
Insertion Loss( unconnectorized)	dB	<3,7	<7,2	<10,4	<13,6	<16,5	<20,5
Return Loss	dB	>55	>55	>55	>55	>55	>55
Directivity	dB	>55	>55	>55	>55	>55	>55
PDL - Polarization dependent loss	dB	≤0.2	≤0.3	≤0.3	≤0.3	≤0.4	<0.5
PLC steel housing dimensions	mm	40 x 4 x 4	60 x 7 x 4	60 x 7 x 4	70 x 12 x 4	80 x 20 x 7	100 x 40 x 7
Operating Wavelength	nm	1260 a 1650					
Operating Temperature Range	°C	-35 / 85					

### Splitter options

For accurately splitter selection: Fiber IN/OUT length, cable, connector and fiber type must be specify.

L in ( m )	Φ cable in ( mm )	Connector type in	L outs ( m )	Φ cable outs ( mm )	Connector type outs	Fiber type
0,5	0,25	Without connector	0,5	0,9	Without connector	G652D
...	0,9	SC/APC	...	2	SC/APC	G657A1
2	2	SC/UPC	2	3	SC/UPC	G657A2

### Nomenclature / Order instructions

#### Example 1

Splitter 1 x 8 - G652D

In - L = 1,5 m , Φ = 0,9 mm , without connector

Outs - L = 1 m , Φ = 0,9 mm , SC/APC

#### Example 2

Splitter 1 x 16 - G657A

In - L = 1,5 m , Φ = 0,9 mm , SC/UPC

Outs - L = 2 m , Φ = 2 mm , SC/APC

#### Example 3

Splitter 1 x 64 - G652D

In - L = 1 m , Φ = 0,9 mm , SC/APC

Outs - L = 1 m , Φ = 0,9 mm , SC/APC