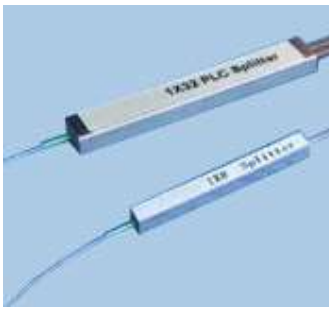
FORTE

PLC Splitters




1xN / 2xN PLC splitters, which are based on planar lightwave circuit technology and a precision aligning process, can divide a single/dual optical input(s) into multiple optical outputs uniformly, and offer superior optical performance, high stability, and high reliability to meet various application requirements.

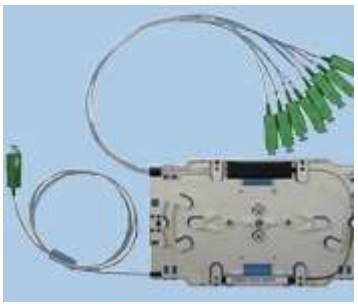
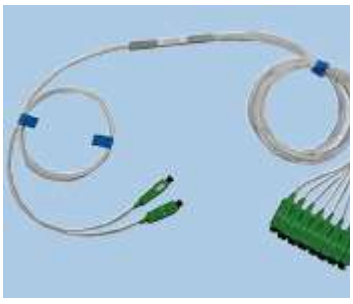
PLC Splitters Package Types:

- Splitter without connectors
- Splitter with connectors and Fan-out Kit
- Splitter with connectors with direct 900um output
- Splitter module with 2mm cable input and output
- Splitter mounted in EC1 splice cassette
- Splitter mounted in the patch panel
- Splitter mounted in a Wall mount optical patch panel (WMOPP)
- Splitter mounted in FTTH outdoor fiber distribution b

Application

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



1xN PLC Splitter

Parameter	1:2	1:4	1:8	1:16	1:32	1:64	1:128
Operating Wavelength (nm)	1260 ~ 1650						
Fiber Type	G657.A1/A2 – or customer specified						
Insertion Loss (dB)	4.0	7.2	10.5	13.7	17.0	20.6	24
Loss Uniformity (dB)	0.4	0.6	0.8	1.2	1.5	2.0	2.5
Return Loss (dB)	55	55	55	55	55	55	55
Polarization Dependent Loss (dB)	0.2	0.2	0.2	0.3	0.3	0.35	0.35
Directivity (dB)	55	55	55	55	55	55	55
Temperature stability (-40°C~+85°C) – (dB)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature	-40°C ~ +85°C						
Storage Temperature	40°C ~ +85°C						

Notes:

1. Specified without connectors.

2. An additional 0.30dB loss per connector.

2xN PLC Splitter

Parameter	2:2	2:4	2:8	2:16	2:32	2:64	2:128
Operating Wavelength (nm)	1260 ~ 1650						
Fiber Type	G657.A1/A2 – or customer specified						
Insertion Loss (dB)	4.2	7.4	10.8	14.0	17.5	21	24.5
Loss Uniformity (dB)	1.0	1.5	1.5	2.0	2.0	2.5	2.5
Return Loss (dB)	55	55	55	55	55	55	55
Polarization Dependent Loss (dB)	0.3	0.3	0.3	0.3	0.3	0.5	N/A
Directivity (dB)	55	55	55	55	55	55	55
Temperature stability (-40°C~+85°C) – (dB)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature	-40°C ~ +85°C						
Storage Temperature	40°C ~ +85°C						

Notes:

1. Specified without connectors.

2. An additional 0.30dB loss per connector.