

DESCRIPTION

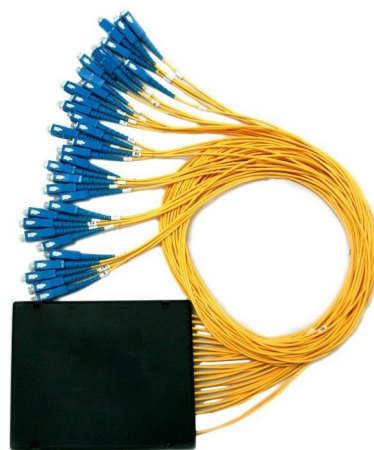
Planar Lightwave Circuit (PLC) Splitter is a power splitter based on the silica glass baseplate. There are two types of PLC Splitters which is 1xN and 2xN. It divides uniformly optical signals from one or two inputs to multiple outputs. The splitter can be operated in reverse direction to combine multiple signals into one fiber or two fibers. Numbering is tagged with permanent marking on each output to ease the port identification.

FEATURES

- Low insertion loss and low PDL
- Compact design
- Good channel-to-channel uniformity
- High reliability and stability
- Passed Telcordia GR-1209-CORE and GR-1221-CORE
- Suitable for both indoor and outdoor applications
- Permanent numbering marking on each output port to ease port identification
- RoHS compliance

APPLICATIONS

The PLC splitter are used in Aerial/Wall Mounted/UG/Pedestal FDP/FDB for the applications in PON Network, CATV, Video Transmission and FTTx.



Cassette Type



Tray Type



Module Type



Micro Type



Rack Mounted Type

SPECIFICATIONS ^{*1}

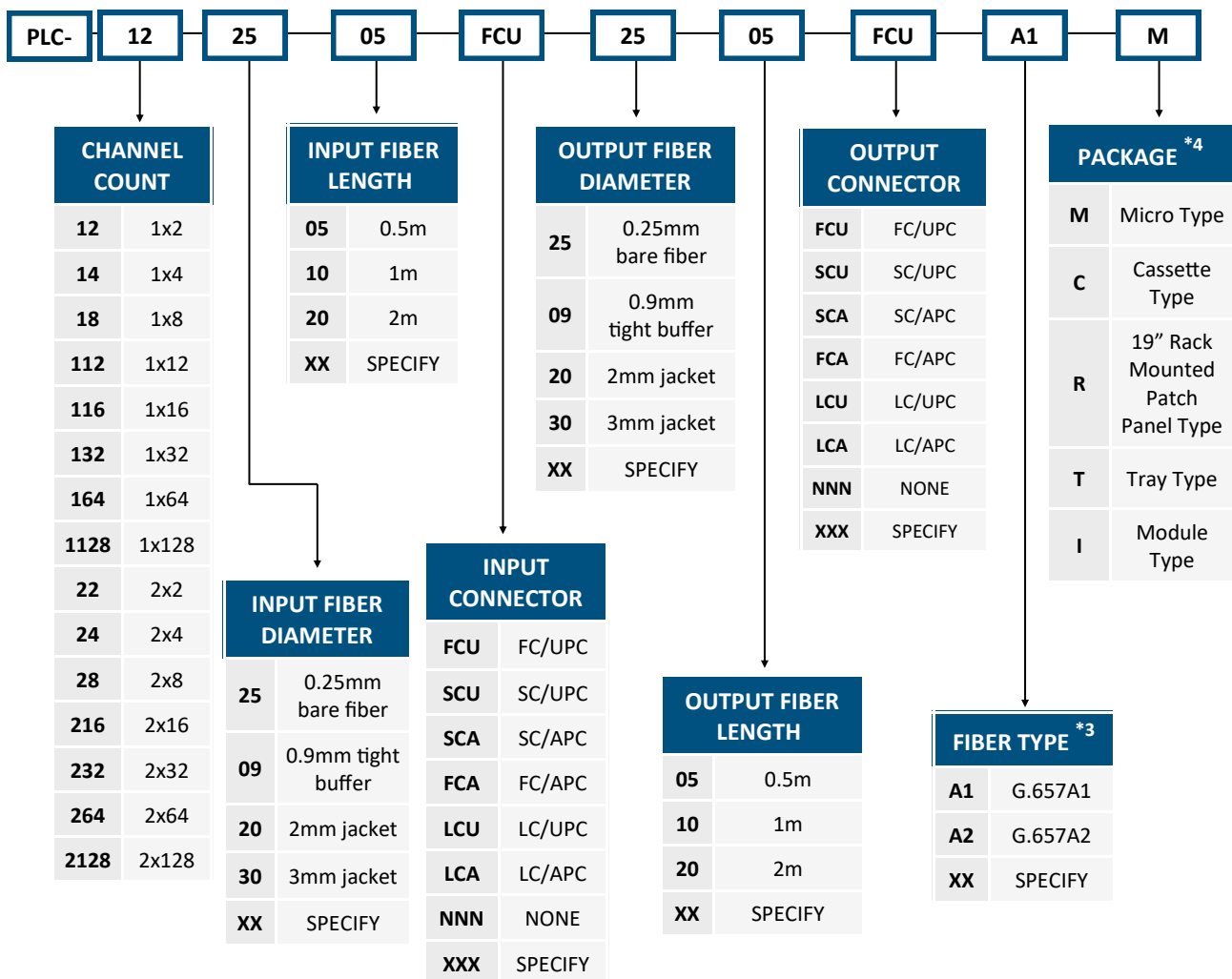
		1xN PLC Splitter								
Port Configuration		1x2	1x4	1x8	1x12	1x16	1x32	1x64	1x128	
Operating Wavelength (nm) ^{*2}		1260~1650								
Insertion Loss (dB)	Typ.	3.7	7.2	10.3		13.8	16.8	20.2	23.8	
	Max	3.9	7.4	10.5		14.0	17.0	20.4	24.0	
Max. Channel Uniformity (dB)		0.4	0.8	0.8		1.0	1.2	2.0	2.0	
Min. Return Loss (dB)		55								
Max. PDL (dB)		0.2	0.2	0.2		0.3	0.3	0.3	0.3	
Min. Directivity (dB)		55								
Operating Temperature (°C)		-20~+75								
Storage Temperature (°C)		-40~+85								

Note : Specifications are subject to change without notice

2xN PLC Splitter								
Port Configuration	2x2	2x4	2x8	2x16	2x32	2x64	2x128	
Operating Wavelength (nm) ^{*2}	1260~1650							
Insertion Loss (dB)	Typ.	4.2	7.3	10.6	14.0	17.2	20.6	23.8
	Max.	4.5	7.5	10.8	14.1	17.4	20.8	24.0
Max. Channel Uniformity (dB)	0.6	1.2	1.7	2.4	2.8	3.0	2.0	
Min. Return Loss (dB)	55							
Max. PDL (dB)	0.2		0.4			0.3		
Min. Directivity (dB)	55							
Operating Temperature (°C)	-20~+75°C							
Storage Temperature (°C)	-40~+85°C							

ORDERING INFORMATION

EXAMPLE : PLC-122505FCU2505FCUA1M



Note:

*1: Specifications are subject to change without notice

*2: In compliance with ITU-T G.983.1: 1310nm for data/video (upstream); 1490nm for data/video (downstream); 1550nm for RF video 1650nm for network monitoring

*3: Corning SMF-28 Ultra is used for G652D and G657A1; Corning ClearCurve LBL Optical Fiber is used for G.657A2.

*4: Drawing available upon request

Remarks:

- 2mm and 3mm cable – standard yellow color jacket
- 0.9mm loose tube cable – standard white color jacket