

PLC Splitter Specification

Our fiber technology full line of PLC (Planar Light wave Circuit) splitters are ideal for inside/outside plant installation.

PLC splitters are available in a variety of packaging options

The PLC splitter series are offered with:

1xN up to 64 ports configurations

2xN up to 64 ports configurations

Our optical fiber array and PLC chip are precisely aligned within an ultra compact package

Tested according to industry standard procedures, 100% Temperature Cycle Testing from -40 to +85 °C.

Key Features

1. Compact package – Convenient for Small Application & High Density Areas
2. Telcordia GR-1209 & GR-1221-CORE Compliant
3. Jacketing Material Rated to -40 to +85 °C Operating Temperature
4. Bend Insensitive G657A fiber
5. Low Insertion Loss and PDL
6. High Polarization Extinction Ratio & Excellent Uniformity
7. Offer Unique Designs and Configurations & Support Industry Standard Applications
8. Comply With IEC Standard

Applications

1. FTTx Deployments (GPON/BPON/EPON)
2. CCTV/CATV Links
3. Access/Metro Networks
4. Long Haul Telecommunications

Parameter

Ports		1×2	1×4	1×8	1×16	1×32	1×64
Operating		1260~1650					
Insertion Loss (dB)	Max(P/S)	3.8/4.0	7.1/7.3	10.2/10.5	13.5/13.7	16.5/16.8	20.5/21.0
Loss Uniformity (dB)	Max	0.4	0.6	0.8	1.2	1.5	2
PDL (dB)	Max	0.15	0.15	0.25	0.3	0.3	0.3
Return Loss (dB)	Min	UPC:50 APC:55					
Directivity (dB)	Min	55					
Standard Input Fiber		Bend Insensitive SM Single Fiber (ITU G.657A)					
Standard Output		Bend Insensitive SM Ribbon Fiber (ITU G.657A)					
Standard Output		Blue, Orange, Green, Brown, Grey, White, Red, Black (TIA/EIA 598-B)					
Max. Optical		300					
Humidity Range (rh)		5%~85%					
Operating		-40~+85					
Storage		-40~+85					
Connector Options		FC/SC/LC/ST/MU					
Packaging Options		Bare Device*Mini Tube*ABS Module*LGX Box*19"/23" Rack-mount					
Bare Device (mm)		40×4×4	40×4×4	40×4×4	60×7×4	60×7×4	60×12×6
Mini Tube (mm)		60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	100×40×6
ABS Module (mm)		100×80×10	100×80×10	100×80×10	120×80×18	120×80×18	140×115×18
Telcordia GR-1221-CORE & G-1209-CORE Compliant.							
Comply With IEC Standard							

Parameter

Ports		2×2	2×4	2×8	2×16	2×32	2×64
Operating		1260~1650					
Insertion Loss (dB)	Max(P/S)	4.1/4.3	7.4/7.6	10.8/11.0	14.3/14.5	17.3/17.5	20.7/21.5
Loss Uniformity (dB)	Max	0.8	0.8	1.5	2	2.5	2.5
PDL (dB)	Max	0.2	0.2	0.3	0.4	0.4	0.4
Return Loss (dB)	Min	UPC:50 APC:55					
Directivity (dB)	Min	55					
Standard Input Fiber	Bend Insensitive SM Dual Fiber(ITU G.657A)						
Standard Output	Bend Insensitive SM Ribbon Fiber(ITU G.657A)						
Standard Output	Blue, Orange, Green, Brown ,Grey, White, Red, Black(TIA/EIA 598-B)						
Max. Optical	300						
Humidity Range(rh)	5%~85%						
Operating	-40~85						
Storage	-40~85						
Connector Options	FC/SC/LC/ST/MU						
Packaging Options	Bare Device*Mini Tube*ABS Module*LGX Box*19"/23" Rack-mount						
Bare Device (mm)	50×4×4	50×4×4	50×4×4	60×7×4	60×7×4	NA	
Mini Tube (mm)	60×7×4	60×7×4	60×7×4	80×12×4	80×20×6	N/A	
ABS Module (mm)	100×80×10	100×80×10	100×80×10	120×80×18	120×80×18	140×115×18	
Telcordia GR-1221-CORE&G-1209-CORE Compliant.							
Comply With IEC Standard							