

# 1x8 PLC SPLITTER – PLCS-0108 Series



## Features:

- Low Insertion loss
- Low PDL
- High Return Loss
- Uniform Power Splitting
- Compact Design
- Wide Operating Wavelength
- Wide Operating Temperature
- Excellent Environmental & Mechanical Stability
- Qualified Under Telcordia GR-1221 and GR-1209

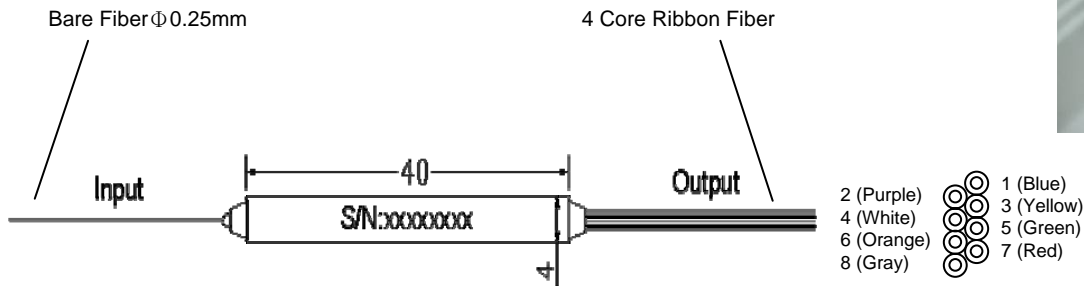
## Applications:

- FTTX (FTTP, FTTH, FTTN, FTTC)
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- CATV systems
- Test Equipments



Specifications	Unit	Parameter
Operating Wavelength	nm	1260 - 1650
Typ. Insertion Loss	dB	10.0
Max. Insertion Loss	dB	10.8
Max. Uniformity	dB	1.0
Max. TDL	dB	0.5
Max. PDL	dB	0.3
Min. Return Loss	dB	50
Min. Directivity	dB	50
Operating Temperature	°C	-40 to +85
Storage Temperature	°C	-40 to +85

Note: All the data above are tested without connectors.



Fiber NO.	Ribbon Fiber#1				Ribbon Fiber#2			
Channel	1	3	5	7	2	4	6	8
Fiber Color	Blue	Yellow	Green	Red	Purple	White	Orange	Gray

## Ordering Information:

P/N	Packaging Type		Input / Output Fiber	Fiber Length	In / Out Connector	
PLCS-0108	Tube	S: Standard rod L40.0 x W4.0 x H4.0mm	0.25: Ø250um bare fiber 0.90: Ø900um loose tube	1: 1.0m 2: 2.0m	01: FC/UPC 02: FC/APC 03: SC/UPC 04: SC/APC 05: LC/UPC	07: ST/UPC 08: MU/UPC 11: SMA
	Box	U: 1U rack(19") I: Indoor wall-mount O: Outdoor wall-mount X: Customized	2.0: Ø2.0mm Jacket 3.0: Ø3.0mm Jacket RF: Ribbon fiber FO: Fan-out splitter with Ø900um loose tube			
	Module	E: E type, plastic F: F type, plastic O: O type, metal L: L type, metal				

Type E: L100.0 x W80.0 x H10.0mm - Plastic Casing (for 1x4, 1x8, 2x4, 2x8 PLC Splitter)

Type F: L120.0 x W80.0 x H18.0mm - Plastic Casing (for 1x16, 1x32, 2x16 and 2x32 PLC Splitter)

Type O: L100.0 x W80.0 x H10.0mm - Metal Casing (for 1x4, 1x8, 2x4, 2x8 PLC Splitter)

Type L: L120.0 x W80.0 x H18.0mm - Metal Casing (for 1x16, 1x32, 2x16 and 2x32 PLC Splitter)