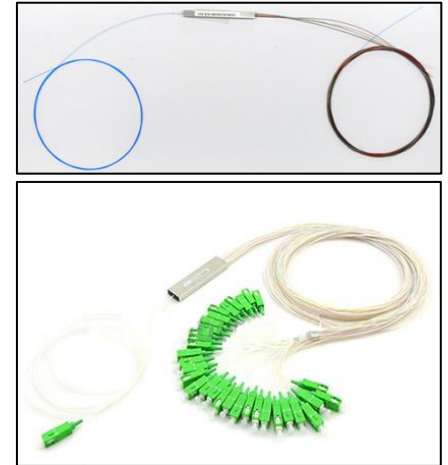


# CF PLC MICRO FIBER SPLITTER

The CF PLC Micro Splitter Series are designed to provide important functions in the FTTx Network, such as the optical signal splitting with low attenuation and high optical performance. The Planar Lightwave Circuit (PLC) splitter modules split one or two channel fibers into 2/4/8/16/32/64 channels. The splitters are designed for a wide variety of power ratios in the wavelength ranges. The optical splitters consist of single-mode fibers, splitter module and adequate number of optical connectors or no connectors by option. The single mode fibers used in the optical splitter comply with the G657.A2 standards.



## FEATURES

- Low Insertion Loss
- High Return Loss
- Wide Operating Temperature
- Excellent Environmental & Mechanical Stability ITU G657 and G671 compliant
- Qualified Under Telcordia GR-1221 and GR-1209
- Fiber input & output 900µm with connectors / 250µm without connectors
- G.657A2 fiber

## PERFORMANCE DETAILS

Technical Index	Specifications						
Operating wavelength (nm)	1260 – 1650						
Splitter Count:	1x2	1x4	1x8	1x16	1x32	2x32	1x64
Max insert loss (dB) Typical	3.6	7.02	10.0	13.3	16.3	16.8	20.0
Max homogeneity (dB) Typical	0.3	0.4	0.5	1.6	0.8	1.5	1.2
Max PDL (dB) Typical	0.1	0.13	0.15	0.15	0.15	0.3	0.2
Return loss (dB)	> 55						
Directivity (dB)	> 55						
Operating temperature (C°)	-40 ~ +70						
Storage temperature (°C)	-40 ~ +85						

Note: Performance does not include connectors

## ORDERING INFORMATION

Part Number	Configuration
1x2	MSPL-1-2-NC 1:2 Micro PLC Splitters with 250µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, no connectors
	MSPL-1-2-SC/APC 1:2 Micro PLC Splitters with 900µm bend insensitive G657.A2 fiber insensitive cable, 1m length pigtailed, SC/APC connectors
1x4	MSPL-1-4-NC 1:4 Micro PLC Splitters with 250µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, no connectors
	MSPL-1-4-SC/APC 1:4 Micro PLC Splitters with 900µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, SC/APC connectors
1x8	MSPL-1-8-NC 1:8 Micro PLC Splitters with 250µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, no connectors
	MSPL-1-8-SC/APC 1:8 Micro PLC Splitters with 900µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, SC/APC connectors
1x16	MSPL-1-16-NC 1:16 Micro PLC Splitters with 250µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, no connectors
	MSPL-1-16-SC/APC 1:16 Micro PLC Splitters with 900µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, SC/APC connectors
1x32	MSPL-1-32-NC 1:32 Micro PLC Splitters with 250µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, no connectors
	MSPL-1-32-SC/APC 1:32 Micro PLC Splitters with 900µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, SC/APC connectors
1x64	MSPL-1-64-NC 1:64 Micro PLC Splitters with 250µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, no connectors
	MSPL-1-64-SC/APC 1:64 Micro PLC Splitters with 900µm bend insensitive G657.A2 fiber cable, 1m length pigtailed, SC/APC connectors



650 Rupert Street | Unit #6 | Waterloo ON | N2V 2R8  
 Phone: 519.748.4411 | 1-877-900-7996 | fax: 519.748.0466  
 customerservice@connect-telcom.com

[www.connect-telcom.com](http://www.connect-telcom.com)