

# SUMMIT TELECOM

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## Fiber Optic Connection Components

Item Code:STFST-BF

### Fiber Optic Bare Fiber PLC Splitter



Summit Telecom is a China leading manufacturer for Bare Fiber PLC Splitter Tube Type, Micro PLC Splitter, and many other types of PLC Splitters.

#### Features:

- Low Insertion loss
- Low PDL
- High Return Loss
- Uniform Power Splitting
- Compact Design
- Wide Operating Wavelength
- Wide Operating Temperature
- Excellent Environmental & Mechanical Stability

**Applications:**

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

**Technical Specifications:**

Parameter	Unit	Specification (P Grade)										
Channel Number		1X2	1X3	1X4	1X6	1X8	1X12	1X16	1X24	1X32	1X64	1X128
Operation Wavelength	nm	1260~1650										
Insertion Loss (Max.)	dB	4.3	6.2	7.4	9.8	10.7	12.5	13.9	16.5	17.2	21.5	25.5
Uniformity (Max.)	dB	0.5	0.6	0.8	0.8	1.0	1.0	1.4	1.5	1.6	2.0	2.6
Polarization Dependent Loss	dB	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8
Return Loss	dB	≥50										
Directivity	dB	≥50										

Parameter	Unit	Specification (P Grade)						
Channel Number		2X2	2X4	2X8	2X16	2X32	2X64	2X128
Operation Wavelength	nm	1260~1650						
Insertion Loss (Max.)	dB	4.3	7.6	11.0	14.8	17.9	21.5	25.8
Uniformity (Max.)	dB	0.8	1.0	1.2	1.5	1.8	2.0	3.0
Polarization Dependent Loss	dB	0.2	0.3	0.3	0.3	0.3	0.5	1.0
Return Loss	dB	≥50						
Directivity	dB	≥50						

Note: All the data above does not include connectors.

UPC Connectors: IL add 0.2 dB, APC Connectors: IL add 0.3 dB

**Environmental Conditions:**

Operating Temperature	°C	-40~+85	
Storage Temperature	°C	-40~+85	
Operating Humidity	%RH	≤93	
Storage Humidity	%RH	≤93	