

# LEAD Fiber Optics PRODUCT CATALOGUE

## PLC SPLITTER

## **LFO 1xN PLC Splitter Series**



### **1xN PLC Splitter**

1xN PLC splitter is built using the unique silica glass waveguide process. The device has low Insertion Loss, low Polarization Dependent Loss and high port uniformity. The 1xN PLC Splitter are available in 8, 16 and 32 channel configurations, with connector type open to customer specification. Custom packaging and metal fittings are also available.

## 1xN PLC Splitter

### Features

- Environmentally stable
- Easy installation
- Custom-Defined Specification
- Low insertion Loss
- High uniformity
- High reliability

### Applications

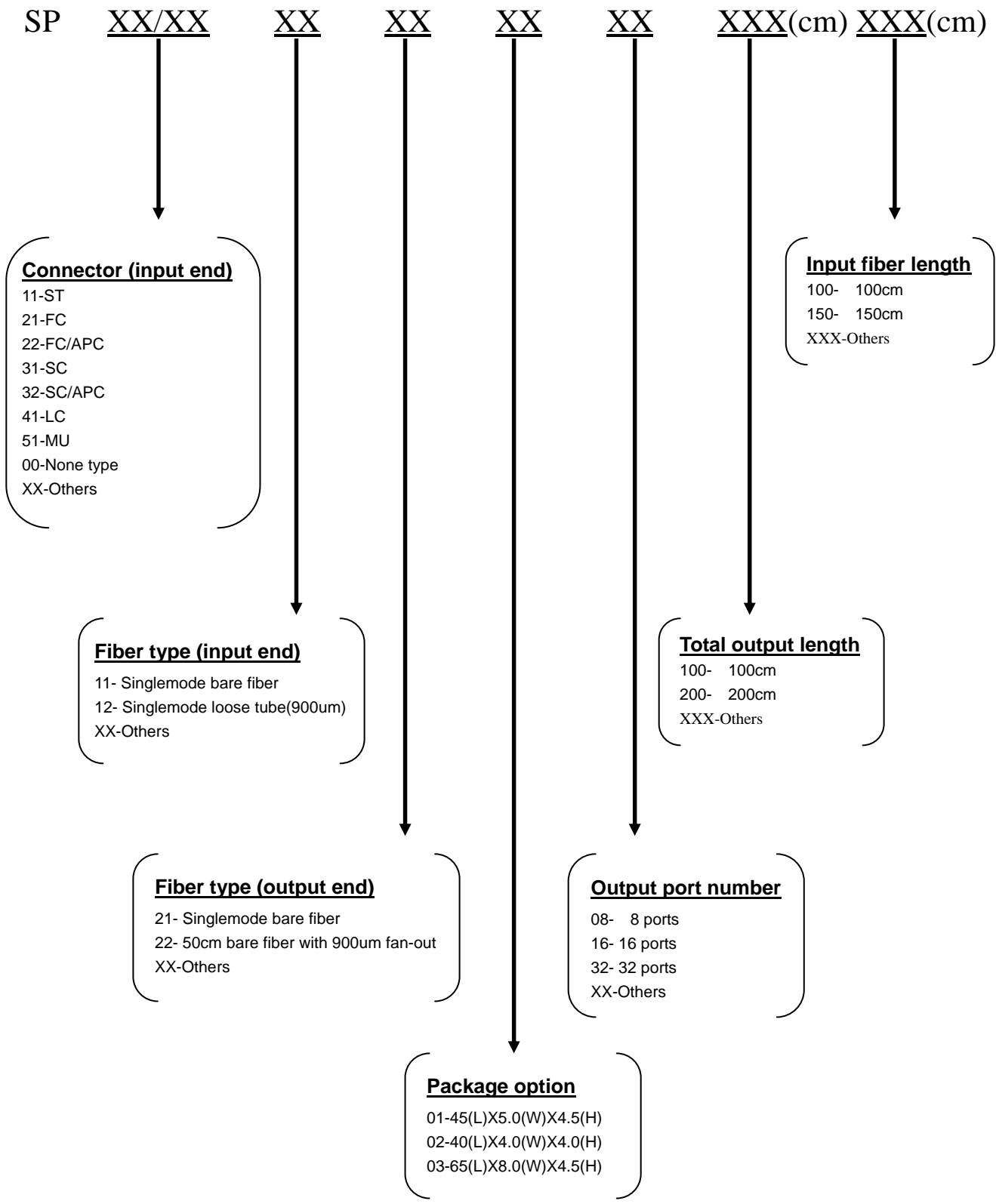
- Metro
- Network protection
- Monitoring
- Access/PON distribution
- CATV



## Specifications

ITEM	VALUES		
Type	1x8	1x16	1x32
Typical Insertion Loss, dB	$\leq 10.7$	$\leq 14.5$	$\leq 18$
Uniformity, dB	$\leq 1.0$	$\leq 1.5$	$\leq 2.0$
Operation Wavelength ,nm	1310/1550 dual window		
Directivity, dB	$\geq 50$		
Optical Input Return Loss, dB	$\geq 50$		
Polarization Dependent Loss, dB	$\leq 0.3$		
Package size, nm( $\pm 0.2$ nm) (LxWxH)	45 x 5.0 x 45,	40 x 4.0 x 4.0,	65 x 8.0 x 4.5
Operation Temperature, °C	-40°C ~ 85°C		
Storage temperature, °C	-20 °C ~ 70°C		
Connectors	FC, SC , LC , MU or ribbon		

# 1 X N PLC Splitter Ordering information



**Connector (input end)**  
 11-ST  
 21-FC  
 22-FC/APC  
 31-SC  
 32-SC/APC  
 41-LC  
 51-MU  
 00-None type  
 XX-Others

**Input fiber length**  
 100- 100cm  
 150- 150cm  
 XXX-Others

**Fiber type (input end)**  
 11- Singlemode bare fiber  
 12- Singlemode loose tube(900um)  
 XX-Others

**Total output length**  
 100- 100cm  
 200- 200cm  
 XXX-Others

**Fiber type (output end)**  
 21- Singlemode bare fiber  
 22- 50cm bare fiber with 900um fan-out  
 XX-Others

**Output port number**  
 08- 8 ports  
 16- 16 ports  
 32- 32 ports  
 XX-Others

**Package option**  
 01-45(L)X5.0(W)X4.5(H)  
 02-40(L)X4.0(W)X4.0(H)  
 03-65(L)X8.0(W)X4.5(H)