

## Box Type PLC Splitter Technical Specification

**Version: V1.2**

Version	Upgrading Reason	Date	Maker	
V1.0	1 <sup>st</sup> . version	3 <sup>rd</sup> .02.2018	Yaojie Zhao	
V1.2	Parameter updated	15 <sup>th</sup> .08.2018	Yaojie Zhao	

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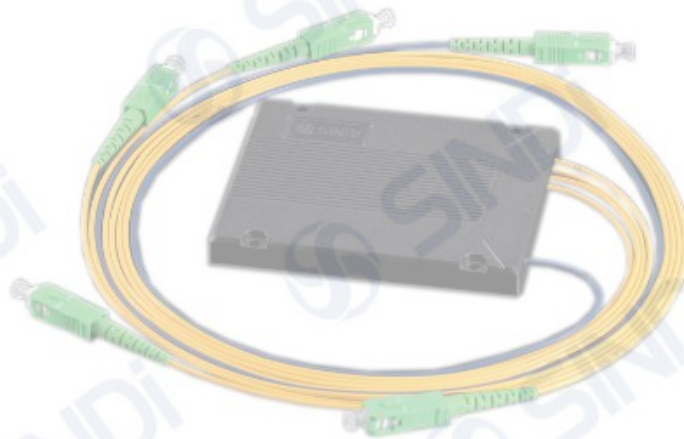
## 1 Description

SINDI PLC splitter is based on silicon dioxide waveguides, which is used to connect local equipment and terminal equipment in EPON, BPON and GPON network.

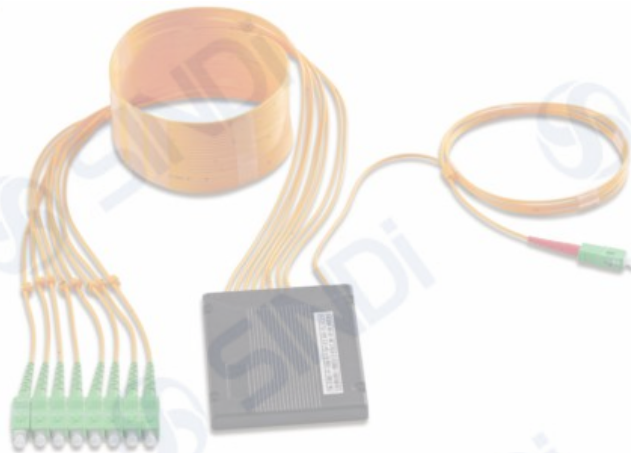
## 2. Feature

- Qualified with CE certificate and ROHS certificate.
- Comply with GR-1209-CORE, GR-1221-CORE, YD/T 2000.1-2014 and IEC criterion.

## 3. Picture



P 1 1X4 Box Type PLC splitter (SC/APC)

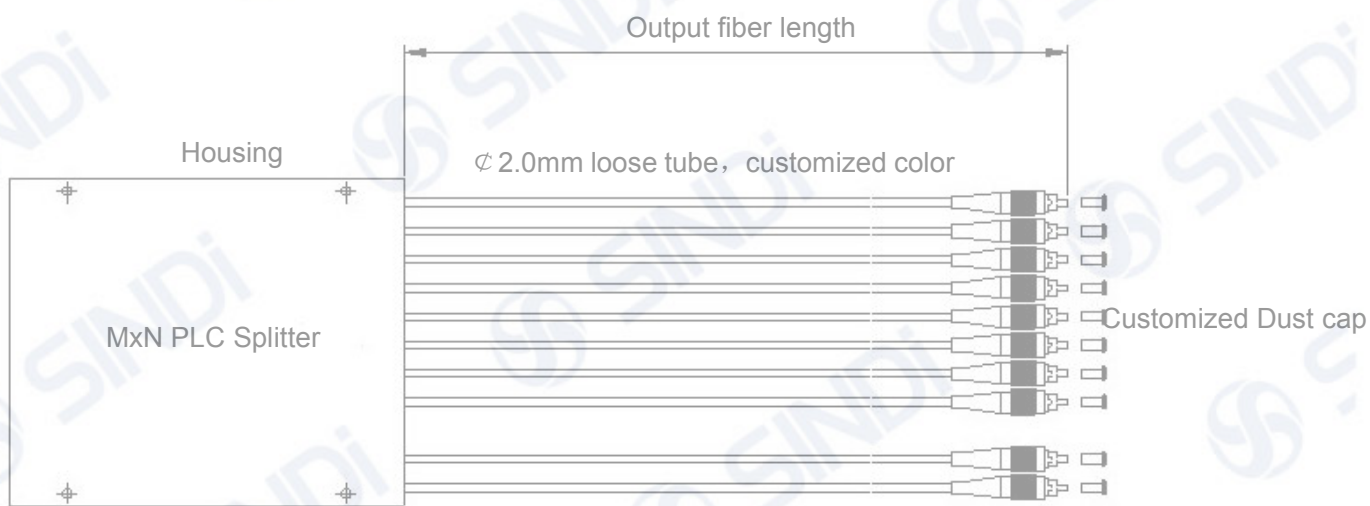


P 2 1X8 Box Type PLC splitter (SC/APC)



P 3 1X16 Box Type PLC splitter (SC/APC)

### 3.1 Structure



P 4 2x8 Box Type PLC Splitter Structure

SC, FC, LC

#### T 3.1 Box PLC splitter housing size

size	nX2	nX4	nX8	nX16	nX64
L X W X H	100X80X10mm			141X115X18mm or 130×80×28mm	

Remark: Box housing size can be customized.

## 4. Optical Parameter

### T4.1 1×N (N≥2) PLC Splitter (with connector) optical parameter

Parameter	1X2	1x4	1x8	1x16	1x32	1x64
Wavelength (nm)	1260 ~ 1650					
IL (dB)	≤4.1	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4
Uniformity (dB)	≤0.6	≤0.7	≤0.8	≤1.0	≤1.5	≤2.0
RL (dB)	≥50 (PC); ≥55 (APC)					
PDL (dB)	≤0.15	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3
Directivity (dB)	≥55	≥55	≥55	≥55	≥55	≥55
Environment	Operating temp (°C)	-40~85°C				
	Storage temp. (°C)	-40~85°C				
	Humidity	≤95% (+40°C)				
	Atmospheric pressure	62~106kPa				
Fiber	SM G657A or customized					
Connector	SC, FC, LC					
Tube color	Yellow, blue, red or customized					
Boot color	Blue, black or customized					
Pigtail (mm)	1000, 1500, 2000 or customized					

Remark: (1) Test at room temperature with connector.

(2) RL ≥55dB without connector

### T4.2 2×N (N≥2) PLC Splitter (with connector) optical parameter

Parameter	2X2	2x4	2x8	2x16	2x32	2x64
Wavelength (nm)	1260 ~ 1650					
IL(dB)	≤4.4	≤7.7	≤10.8	≤14.1	≤17.4	≤20.7
Uniformity (dB)	≤0.8	≤1.0	≤1.0	≤1.5	≤1.8	≤2.0
RL (dB)	≥50 (PC); ≥55 (APC)					
PDL (dB)	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3	≤0.4
Directivity (dB)	≥55	≥55	≥55	≥55	≥55	≥55
Environment	Operating temp(°C)	-40~85°C				
	Storage temp (°C)	-40~85°C				
	Humidity	≤95% (+40°C)				
	Atmospheric pressure	62~106kPa				

Fiber	SM G657A or customized
Connector	SC, FC, LC
Tube color	Yellow, blue, red or customized
Boot color	Blue, black or customized
Pigtail (mm)	1000, 1500, 2000 or customized

Remark: (1) Test at room temperature with connector.

(2) RL  $\geq$ 55dB without connector

## 5. Order confirmation

- Box size
- Tube diameter, material, color
- Parameter(IL, RL and etc)
- Fiber.
- Connector
- Pigtail length
- Number mark for input and output
- LOGO
- Package.