

## Specification for 1xN Splitter Module PLC-1x\*\*-\*\*\*-\*\*\*-\*<sub>-1</sub>

### 1. General

This specification describes the Splitter Module used for branching of optical signal in the outside plant of an FTTH network.

Part Number: PLC-1xWW-XXX-YYY-Z-1

where,

WW : Splitter output (e.g. 1x2, 1x4, 1x8)

XXX : SCU – SC/UPC; SCA – SC/APC

YYY : Length of Optical Fiber Cable (e.g. 150 = 1.5m)

Z : Case size

### 2. Structure



Type	Case type	Case size		Case color	Connector Type	Cord
1:8 Splitter	Box	A	L100 x W80 x H10mm	Black	SC/UPC SC/APC	Ø2mm Ø3mm
1:16 Splitter		B	L120 x W80 x H18mm			
1:32 Splitter		C	L141 x W115 x H18mm			
1:64 Splitter						

3. Specification

The specifications of splitter module shall be shown in the following Table 1.

Table 1 Specifications of splitter module

Item	1:8	1:16	1:32	1:64
Wavelength	1310nm , 1550nm			
Insertion Loss (dB)	≤10.5	≤13.5	≤17.5	≤20.5
Uniformity (dB)	≤0.8	≤1.0	≤1.3	≤2.5
Return Loss (dB)	≥ 50			
Directivity (dB)	≥ 55			
PDL (dB)	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.4
Fiber type	Singlemode			
Operating temperature	0 ~ 65°C			
Max. humidity	93%			