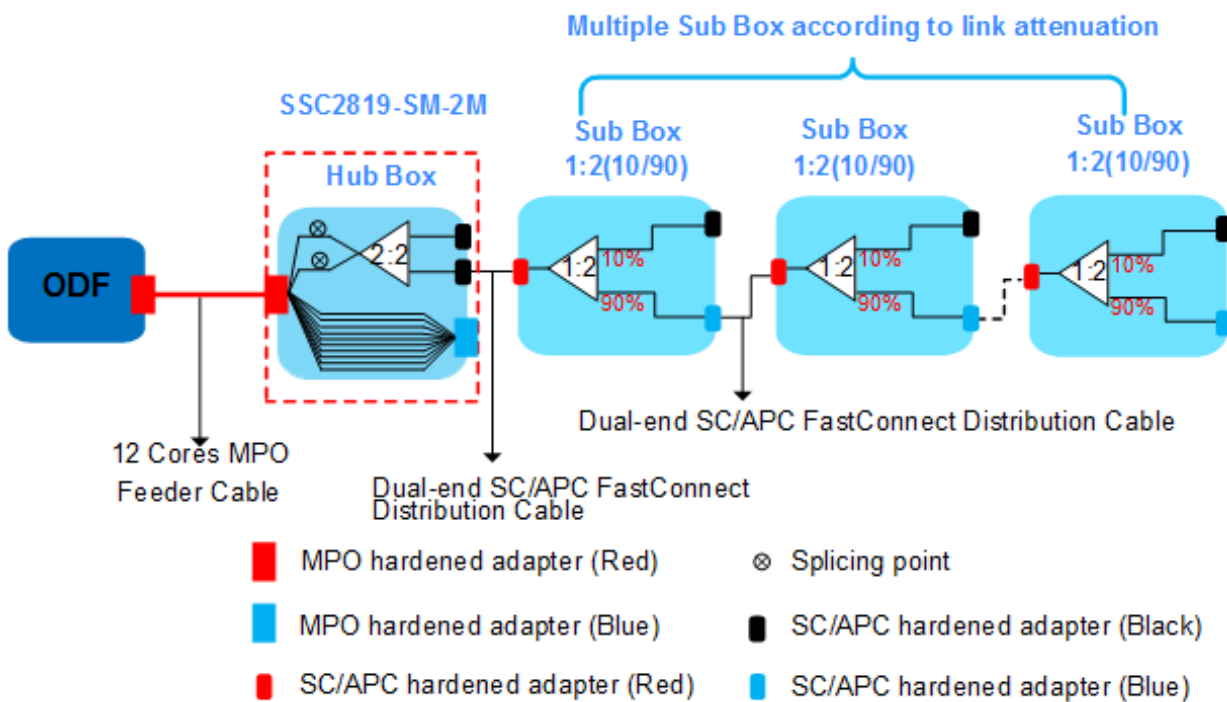


SSC2819-SM-2M Datasheet 01

Building an Efficient Fiber Infrastructure.

Overview

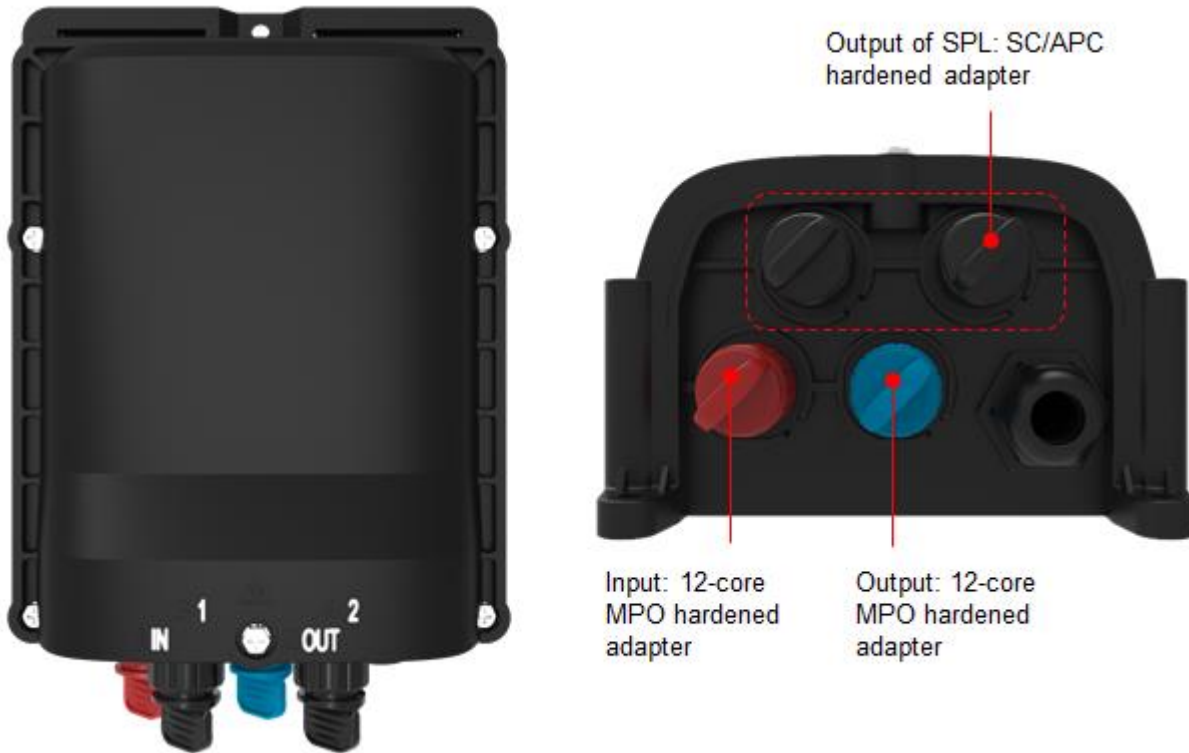
The SSC2819-SM-2M is used for data backhaul of cameras and APs on enterprise campus networks. It is mainly used as a Hub Box for low-density access, chain deployment, and full-process pre-connection scenarios.



Features & Benefits

- MPO hardened adapter for FastConnect distribution solution to save base space.
- Simplified design, small size and weight, easy to carry onsite.
- Full sealing design, un-openable for high anti-thief performance.
- Fully pre-connected product, no need reopening for fiber peeling, splicing and sealing.
- IP68 protection, applicable to various scenarios, including overground, underground, hand hole.
- Supporting multiple installation modes, such as pole, or wall-mounting.
- Use environmentally friendly materials, meeting ROHS standards.

Structure



Specifications

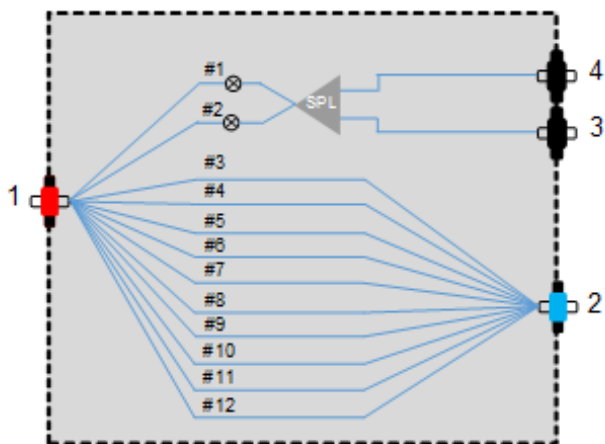
Model	SSC2819-SM-2M
Distribution capacity	2 cores (SC/APC hardened adapter)
Splicing capacity	2 cores
Splitter capacity	1 PCS 2:2 50/50 SPL9105
Optical cable inlet	1 PCS 12-core MPO hardened adapter (red) for FastConnect 12-core MPO distribution cable
Optical cable outlet	<ul style="list-style-type: none"> 1 PCS 12-core MPO hardened adapter (blue) for FastConnect 12-core MPO distribution cable 2 PCS SC/APC hardened adapter (black) for 1-core FastConnect distribution cable
Installation mode	Pole or wall mounting
Application scenario	Overground, underground, hand hole installation
Dimensions (H x W x D; mm)	187 x 131 x 81
Package dimensions (H x W x D; mm)	255 x 195 x 200
Net weight (unit: kg)	0.58
Gross weight (unit: kg)	1.1
Case materials	PP+GF (30%)
Splicing tray materials	PC+ABS






Model	SSC2819-SM-2M
Color	Black
Protection rating	IP68
Resisting impact	IK09
Flame-retardant rating	UL94-HB
RoHS and REACH	Compliant
Adapter type	12-core MPO, SC/APC hardened adapters

Environmental Parameters

Operating temperature	-40°C to +65°C
Storage temperature	-25°C to +70°C
Relative humidity	95% (+40°C)
Atmospheric pressure	70 kPa to 106 kPa

Schematic Diagram



-  Input: MPO hardened adapter
-  Output: MPO hardened adapter
-  Output: SC/APC hardened adapter
-  SPL9105 2:2 50/50 PLC
-  Spliding point

Optical specifications

Operating Wavelength (nm)	1310, 1490, 1550
Operating Bandwidth (nm)	1260 to 1650
Split Ratio	2:2

Insertion Loss (IL, dB)	From MPO input to SC/APC output	≤ 4.75
	From MPO input to MPO output	≤ 0.7
Return Loss (dB)		≥ 55

NOTE

1. The preceding results are from tests carried under 1310/1550 nm wavelength and room temperature.
2. The preceding insertion loss includes the insertion loss of the connectors.
3. The end faces of connectors must be cleaned before the test.

2:2 SPL9105 Datasheet

Overview

SPL9105 series bare optical splitters feature a compact size to implement the optical splitting function.

Features & Benefits

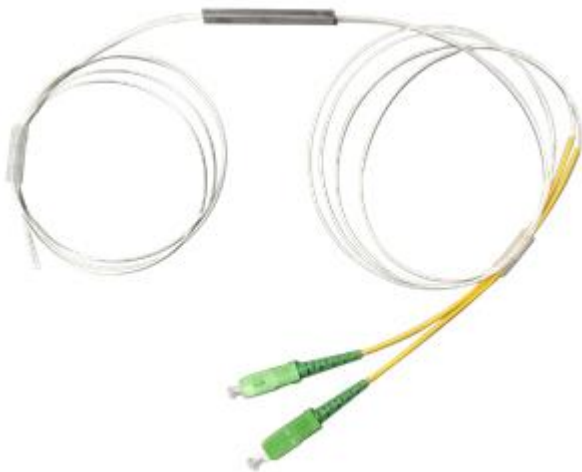
Product series:

- Connectors: SC/APC
- Splitting ratio: 2:2 50/50
- Standard pigtail length: 1.0 m

Flexible application:

- Low insertion loss and better uniformity

Structure



SPL9105 SC/APC 2:2 PLC

Specifications

Splitting ratio	Dimensions (H x W x D; unit: mm)	Fiber type	Pigtail length (m)	Pigtail diameter (mm)	Connector
2:2 50/50 PLC	4 x 7 x 60	G.657A1	Input: 1.0 ± 0.05 Output: 1.0 ± 0.05	Φ0.9	Input: None Output: SC/APC

Performance Parameters

Splitting ratio	Operating bandwidth (nm)	Operating wavelength (nm)	Insertion loss with connector (dB)	Return loss (dB)	Uniformity (dB)	PDL (dB)	Directivity (dB)
2:2 50/50 PLC	1260 to 1650	1310/1490/1550	≤ 4.2	≥ 55 (APC)	≤ 0.8	≤ 0.2	≥ 55

NOTE

1. The preceding results are from tests carried under 1310/1550 nm wavelength and room temperature.
2. The preceding insertion loss includes the insertion loss of the connectors.
3. The end faces of connectors must be cleaned before the test.


Environmental Parameters

Storage temperature	-40°C to +85°C
Operating temperature	-40°C to +85°C
Relative humidity	≤ 95%
Atmospheric pressure	70 kPa to 106 kPa

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