Cassette SC/APC

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Variants

Cassette 1*4 Cassette 1*16 Cassette 1*2 Cassette 1*8

Details

The **PLC Splitter Cassette SC/APC** is a high-performance passive optical splitter designed for FTTH, GPON, EPON, CATV, and optical distribution networks. Built with **PLC (Planar Lightwave Circuit)** technology, it delivers uniform optical signal distribution with low insertion loss, excellent stability, and high reliability.

Available in **1×2, 1×4, 1×8, and 1×16** configurations, the cassette splitter is housed in a compact ABS cassette or LGX box, making it ideal for ODFs, fiber distribution boxes, cabinets, and rack-mounted installations.

Configuration **1×2 ~ 1×16**
Connector **SC/APC**
Fiber Type

SM G.657A1

Wavelength

1260–1650nm

Key Features

? PLC Technology for Uniform Signal Distribution

? Available in 1×2, 1×4, 1×8 & 1×16 Configurations

? Low Insertion Loss & Low Polarization Dependent Loss

? High Return Loss & Excellent Directivity

? Compact ABS Cassette / LGX Box Design

? Suitable for FTTH, GPON, EPON & CATV Networks

? Wide Operating Temperature Range

? Factory Tested for Stable Optical Performance

Technical Specifications

Category	Specification
Product Type	PLC Splitter (Cassette Type)

Category	Specification
Configuration	1×2 / 1×4 / 1×8 / 1×16
Fiber Type	Single Mode G.657A1 / G.652D
Operating Wavelength	1260 ~ 1650 nm
Insertion Loss (P Grade)	? 10.4 dB
Insertion Loss (S Grade)	? 10.6 dB
PDL	? 0.3 dB
Loss Uniformity	? 1.0 dB
Return Loss	? 55 dB (P Grade) / ? 50 dB (S Grade)
Directivity	? 55 dB
Connector Type	SC/APC
Cable Length	1.0 m (Customizable)
Fiber Diameter	0.9 mm / 2.0 mm
Housing Type	ABS Cassette / LGX Box
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Dimensions (L × W × H)	Approx. 120 × 80 × 18 mm

Applications

FTTH Networks

GPON & EPON Systems

ISP Optical Distribution Networks

Fiber Distribution Boxes (FDB)

Optical Distribution Frames (ODF)

CATV Optical Networks

Telecommunication Networks

Data Center Fiber Distribution

Available Variants:

PLC Splitter Cassette 1×2 SC/APC
PLC Splitter Cassette 1×4 SC/APC
PLC Splitter Cassette 1×8 SC/APC
PLC Splitter Cassette 1×16 SC/APC

Please select the required splitter ratio before ordering.

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