PLC Ruggedized Cassette Optical Splitter | Outside-Plant

Description

PLC ruggedized cassette optical splitters compact and durable housing are ideal to meet the demands of Outside Plant (OSP) environments. Outdoor-rated fibers are standard with ruggedized cassette splitters to ensure the benefits of the flexible jacketing over extreme temperature ranges. They provide superior optical performance reliable performance over a wide operating wavelength (1260 ~ 1650nm) and temperature range (-40 to +85 °C) to address high-bandwidth and environmental network demands. Offered in a wide range of standard and custom configurations for a variety of PON environments.

Features

⟩ Low insertion loss & PDL

⟩ High return loss & port-to-port uniformity

⟩ Wide operating wavelength 1260 ~ 1650nm

⟩ Wide operating temperature -40 to +85 °C

⟩ Outdoor-rated fiber cable

⟩ Excellent environmental & mechanical stability

⟩ Premium grade components & connectivity

⟩ Telcordia GR-1221 | GR-1209 & GR-326 qualified

⟩ RoHS compliant

Applications

⟩ FTTH

⟩ Passive Optical Networks (PONs)

⟩ Telecom

⟩ Cable Operators

⟩ Cellular Backhaul

PLC Ruggedized cassette optical splitter with SC/APC outdoor-rated fiber cable

PLC Ruggedized Cassette Splitter

PLC Ruggedized Cassette Optical Splitter | Outside-Plant

Specifications

Parameters		1x2	1x4	1x8	1x12	1x16	1x24	1x32	1x64
Configuration		1x2	1x4	1x8	1x12	1x16	1x24	1x32	1x64
Operating wavelength nm		1260 ~ 1650							
Insertion loss dB	typ.	3.6	7.0	10.3	12.2	13.6	15.8	16.6	20.1
	max.	4.3	7.4	10.7	12.5	13.9	16.0	17.2	21.5
Uniformity dB	max.	0.5	0.8	0.8	1.2	1.4	1.5	1.5	2.0
PDL dB	max.	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.5
TDL dB	max.	0.5							
Return loss dB		≥ 55							
Directivity dB		≥ 55							
Operating / Storage Temp. °C		-40 to +85							
Fiber type		Singlemode Bend insensitive G657A							

Note: Above values do not include connectors

Cassette metal-housing dimensions	Value
Configuration with Ø2.0mm Outdoor-rated Black Jacketed Fiber Cable:	
1x2 | 1x4 | 1x8	8 x 60 x 75
1x12 | 1x16 | 1x24 | 1x32	10 x 80 x 100
1x64	18 x 80 x 120

PLC Ruggedized Cassette Optical Splitter | Outside-Plant

Ordering information

M T D P - <u>1</u> - 6 0 - <u>2</u> - <u>3</u> / <u>4</u> - <u>5</u> - <u>6</u>

1. Port configuration:

01x02

01x04

01x08

01x12

01x16

01x24

01x32

01x64

2. Housing type:

C   Cassette

MC   Mini-cassette

Note: Mini-cassette housing only for:

1x2, 1x4, 1x8

3. Connector type Input fiber:

AFC	FC/APC
FCU	FC/UPC
ALC	LC/APC
LCU	LC/UPC
ASC	SC/APC
SCU	SC/UPC
PL	Pigtail

4. Connector type Output fiber:

AFC	FC/APC
FCU	FC/UPC
ALC	LC/APC
LCU	LC/UPC
ASC	SC/APC
SCU	SC/UPC
PL	Pigtail

5. Fiber Input / Output length (m):

0.5

1

1.5

2

6. Fiber cable diameter:

(2mm)   2.0mm