

Single-Mode Triplex Window Couplers

Features

- Long-haul telecommunications
- CATV systems & Fiber sensors
- Local area network
- Splits optical signal for routing to multiple devices or inputs
- multimode fused optical splitter
- Low excess loss
- Various coupling ratio
- Compact size



Description

The **Single-Mode-LC Fiber Optic Splitter Cable** is a fused passive splitter that offers a handy solution to split optical signal for routing to multiple devices, inputs, or patch panels. This 1x2 splitter cable provides a 100 to 50/50 split and is designed to operate with 1310 and/or 1550nm.

Performance Specifications	
Coupling Ratio(%)	1-50
Directivity (dB)	>55 dB
Operating Temperature	-20 ° C - 85 ° C
Storage Temperature	-40 ° C - 85 ° C
Fiber Type	Corning Singlemode SMF-28 , DS Fiber, or Flexcore
Fiber Pigtail Length (m)	1meter
Port Configuration	1x2 or 2x2
Package Dimension	Package A, B, C

Single mode Triplex Window Wideband Couplers	
Grade	P
Excess Loss (Typical)(dB)	0.10
Maximum Insertion loss (dB)	3.6
Uniformity (Max.) (dB)	0.7
Polarization Sensitivity (dB)	0.10
Operating Wavelength (nm)	1310 /1550 +40, and 1490+ 10

Coupling Ratio/Insertion Loss Conversion Chart

Coupling Ratio	Insertion Loss
	Premium
40/60	4.4/2.5
30/70	5.65/1.8
20/80	7.5/1.2
10/90	10.8/0.65
5/95	13.9/0.4
1/99	21/0.2

Package Dimensions and Pigtail Style

Package Dimensions	
Package A	3mm x 54mm stainless steel tube
Package B	3mm x 60mm stainless steel tube
Package C	90mm x 20mm x 10mm ABS
Pigtail Style	
Package A	250um bare fiber
Package B	250um bare fiber or 900um loose tube
Package C	3mm cable or 900um loose tube

Ordering Information

Type	Grade	Wavelength	Coupling Ratio (dB)	Port	Package	Pigtail Style	Fiber Type	In/Out Connector
S*	P	35=1310/1550nm	50=50/50	0102=1x2	A=Package A	1=Bare Fiber	0=SMF-28	0=None
W*	A	36=1310/1585nm	30=30/70	0202=2x2	B=Package B	2=900µm Jacket	D=DS Fiber	1=FC/APC
			10=10/90		C=Package C	3=3mm Cable		2=FC/PC
			05=5/95					3=SC/APC
			01=1/99					4=SC/PC
								5=ST
								6=LC

* S – Single Mode Standard Coupler

* W – Single Mode Wideband Coupler

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