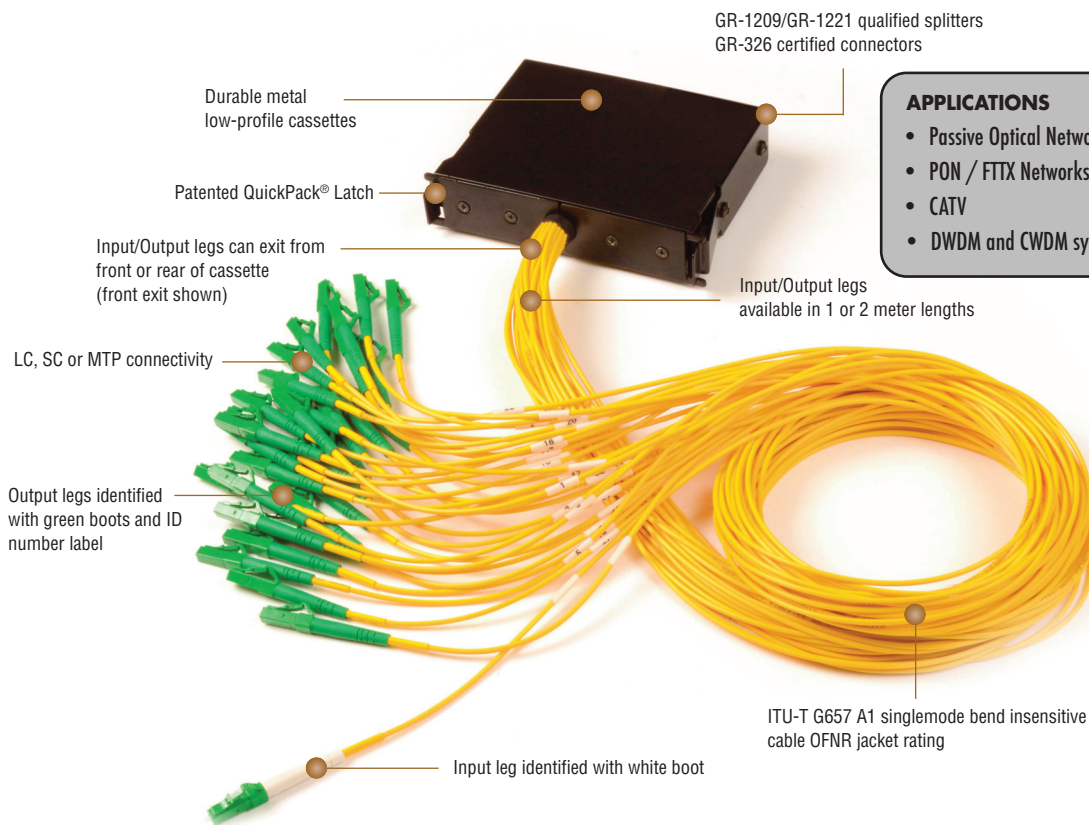


Fiber Splitter Cassettes

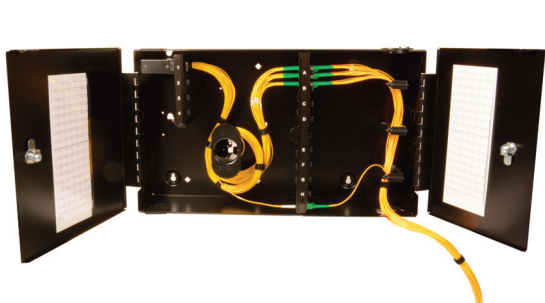
The Siemon Fiber Splitter Cassettes use advanced PLC (Planar Lightwave Circuit) technology to enable multiple fiber connections with superior optical performance. This method uses splitter devices fabricated with silica optical wave-guide elements which results in low insertion loss, high uniformity, and low polarization dependent loss (PDL). The Splitters are compatible with Siemon fiber enclosures and panels including the Fiber Connect Panel (FCP3), Wall Mount Interconnect Center (SWIC3), Rack Mount Interconnect Center (RIC3), Rack Mount Panel (RIC-PNL) and VersaPOD® Zero-U patch panels. The Splitters are available in SC, LC and MTP interfaces with various port configurations ranging from 1 or 2 input ports and 8 to 32 output ports.

The Fiber Splitter Cassettes are ideal for Passive Optical Network (PON) and other singlemode applications requiring high performance splitting of optical signals. Siemon offers a complete range of fiber cables and connectivity, including preterminated SC, LC and MTP solutions, to complete an entire passive optical channel.

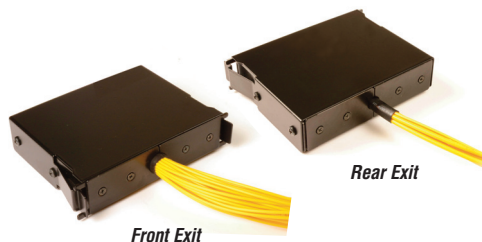


APPLICATIONS

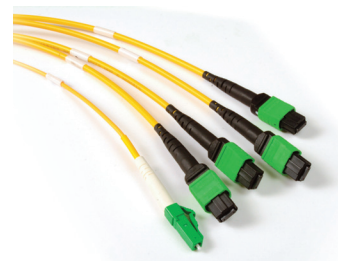
- Passive Optical Network (PON) systems
- PON / FTTX Networks
- CATV
- DWDM and CWDM systems



Wall Mounted Application
Siemon front exit cassette (FSC-132LCA-F01M) and adapter bracket (SWIC3G-E-BRKT) installed into an expanded SWIC enclosure (SWIC3G-E-AA-01)



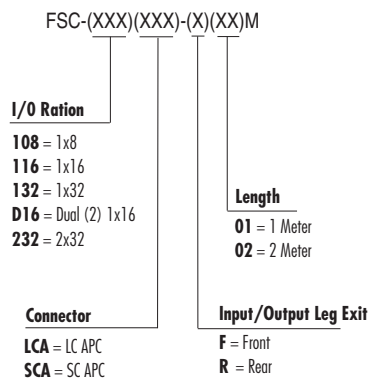
Front and Rear Exit Versions are Available
The optional exits enable versatile mounting and leg routing to support a variety of environments and applications. When using the SWIC3G-E-BRKT with the expanded SWIC3G-E enclosure, only the front exit version is installed.



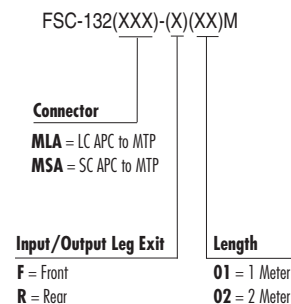
MTP Version is Available
Utilizing MTP cassettes with MTP trunks in the channel provides greater density, reduces the amount of cable and lessens the installed connections when compared to an LC or SC solution.

Ordering Information

LC AND SC SPLITTER CASSETTE



MTP SPLITTER CASSETTE



- **1X Splitters:**

Traditional splitters with a single input and multiple outputs

- **Dual Splitters:**

Packages two 1X splitters in a single cassette. There are two inputs for these splitters and each input connects to different output ports. There is no connection between the two splitters.

- **2X Splitters:**

These splitters provide two inputs and multiple outputs but, unlike a dual splitter, both inputs connect to all outputs provided that both inputs are not transmitting at the same time. These splitters allow redundancy by having two inputs feed all available outputs.

Parameter	1x8	1x16	1x32	2x32	1x32 (MTP)
Splitter Technology	Planer Lightwave Circuit (PLC)				
Fiber Type	Singlemode, OFNR				
Operating Wavelength (nm)	1260-1650				
Splitter Insertion loss (dB) Max	10.2	13.5	16.5	17.4	16.5
Polarization Dependent Loss (dB)	0.3	0.3	0.3	0.4	0.4
Splitter Uniformity (dB) Max	1	1.2	1.5	2.1	2.1
Wavelength dependent Loss (dB)	0.4	0.5	1	1	1
Directivity (dB) Min	>55				
Splitter Return Loss (dB) APC Min	>55				
Connectorized Splitter Insertion loss (dB) Max	11	14.3	17.3	18.2	17.5
Connectorized Splitter Return loss (dB) Max	55	55	55	55	55
Fiber Cable	2mm, ITU G657.A1 SM BIF (MTP is 3mm)				
Connector Types	SC/APC, LC/APC, MTP/APC				
Storage Temp. (°C) & Operation Temp. (°C)	-40 to +85 (-40 to 185 F)				
Operation/Storage Humidity (% RH)*	5 to 95				
Nominal Dimensions: L x W x H	95mm (3.75 in.) x 118mm (4.65 in.) x 32mm (1.25 in.)				
Material	Stainless steel and aluminum				
Color	Black with powder coat finish				
Mounting	Fits within Siemon RIC, FCP, all SWIC enclosures, RIC panels and VersaPOD Zero-U panels				
Standards Compliance	GR-1209/GR-1221 qualified splitter, GR-326 certified connectors				

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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