

# Splitter Enclosures with Cassettes



A **BELDEN** BRAND

## Description

The PPC Stackable Fiber Interface Terminal (SFIT) family of enclosures offers a variety of functions to help deploy your fiber networks. The SFIT platform supports lower total cost of ownership (TCO) in both greenfield and brownfield projects.

These cassette-based splitter enclosures are equipped with a “goalpost” mounting bracket that accepts a range of cassette-based splitters. This design allows you to more efficiently stock, mix and match as needed for each project. The cassette design also supports “plug and play” installations – no splicing required.

These splitter enclosures are ideal for use on small MDUs, or in a distributed split design for larger MDU projects.

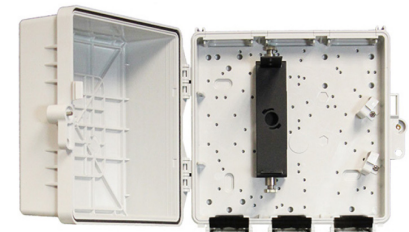
Two additional cassettes are available that can be spliced onto raw cable, and provide 4 or 8 SC/APC fanouts.

## Features

- Base enclosure accepts a range of splitter cassette sizes
- Splitter Cassette sizes include 1x2, 1x4, 1x8, 1x16 and 1x32
- Cassettes are all SC/APC input and outputs
- Stackable design allows slack storage enclosure to be coupled
- Designed for indoor and outdoor use
- Molded-in feet for easy wall mounting
- Small footprint for use in tight spaces
- Plug & Play cassettes for easy installation – no splicing
- Door has push-to-latch, locking hasp & 216-tool security bolt
- Cable ports equipped with rubber grommets
- A variety of cable port nozzles are available



SFIT-FT00CNN-005



SFIT-FL00CNN-001



SFIT-FL00BNX-001  
*Suggested for slack storage*

## Specifications

**Materials:** Flame retardant PBT/PC blend thermoplastic, UL 94V-0 (indoor)/UL 94-5VA (outdoor) rated

**Safety:** UL1863 

**Performance:** Designed to meet GR-049-CORE, GR-3125-CORE & GR-2898-CORE

**Adapters and connectors** exceed the requirements of GR-326-CORE

**Splitters** exceed the requirements of GR-1209-CORE and GR-1221-CORE

**Finish:** Light Gray

Part No.	Maximum Quantity on SFIT Goalpost
SFSM-C1102AA-S	3
SFSM-C1104AA-S	
SFSM-C1108AA-S	
SFSM-C1116AA-S	2
SFSM-C1132AA-S	1
SFFO-C04AA-1	2
SFFO-C08AA-1	

# Splitter Enclosures with Cassettes



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## Splitter Cassettes

The PPC Splitter Cassettes use planar light-wave circuit (PLC) technology, and are based on the Plasma Chemical Vapor Deposition (P-CVD) fabrication process that provides very stable optical performance.

The cassettes are designed to mount on PPC's SFIT goalpost-style support brackets, offering quick and easy installation.



SFSM-C1102AA-S  
SFSM-C1104AA-S  
SFSM-C1108AA-S

SFSM-C1116AA-S  
SFSM-C1132AA-S

## Features

- 1x2, 1x4, 1x8, 1x16 and 1x32 sizes
- SC/APC adapters on all inputs and outputs
- High maximum power tolerance
- Excellent splitting uniformity
- Low polarization dependency
- 1x2, 1x4 and 1x8 cassettes in plastic case
- 1x16 and 1x32 cassettes in metal case

Parameters	1x2	1x4	1x8	1x16	1x32
Operating Wavelength	1260 nm~1650 nm				
Insertion Loss Max	4.6 dB	8.0 dB	11.3 dB	14.3 dB	17.5 dB
Uniformity Max	0.7 dB	0.9 dB	1.1 dB	1.5 dB	1.8 dB
PDL Max	0.2 dB	0.2 dB	0.3 dB	0.3 dB	0.3 dB
WDL	0.3 dB	0.3 dB	0.3 dB	0.5 dB	0.5 dB
Return Loss Min	UPC: 50 dB, APC: 55 dB				
Directivity Min	55 dB				
Operating Temp	-30 °C ~ 70 °C				

Note: IL excludes connector. One connector less than 0.3dB.

## Fanout Cassettes

The fanout cassettes are designed to mount on PPC's SFIT goalpost-style support brackets, offering quick and easy installation.

A rubber splice chip holds either four or eight single fusion splices. Color-coded SC/APC pigtails (900um) and splice tubes are included. Cover is attached with two thumbscrews.



Four Fibers: SFFO-C04AA-1  
Eight Fibers: SFFO-C08AA-1

Part No.	Description
SFIT-FT00CNN-005	SFIT Splitter Enclosure with cassette goalpost bracket (No splitter cassette included). Splice tray in lower slack storage chamber for splicing distribution drops. Three cable entry ports with flat rubber grommets. 17"H x 10"W x 5" D
SFIT-FL00CNN-001	SFIT Splitter Enclosure with cassette goalpost bracket (No splitter cassette included). Three cable entry ports with flat rubber grommets. 9.3"H x 10"W x 5" D
SFIT-FL00BNX-001	SFIT Slack Storage Enclosure, with four fiber guide spools. Three cable entry ports with flat rubber grommets. Can be coupled to Splitter Enclosure. 9.3"H x 10"W x 5" D
SFSM-C1102AA-S	1x2 Splitter Cassette, SC/APC adapters input & outputs
SFSM-C1104AA-S	1x4 Splitter Cassette, SC/APC adapters input & outputs
SFSM-C1108AA-S	1x8 Splitter Cassette, SC/APC adapters input & outputs
SFSM-C1116AA-S	1x16 Splitter Cassette, SC/APC adapters input & outputs
SFSM-C1132AA-S	1x32 Splitter Cassette, SC/APC adapters input & outputs
SFFO-C04AA-1	Fanout Cassette, 4 SC/APC outputs. Includes splice chip, splice tubes and color-coded pigtails (900 um)
SFFO-C08AA-1	Fanout Cassette, 8 SC/APC outputs. Includes splice chip, splice tubes and color-coded pigtails (900 um)