

Charles Fiber Splitter Modules (CFSM)

Plug & play splitter modules used in enclosures and pedestals to split the optic signal in passive optical networks (PON)



CFSM-FP Splitters

Fit Charles Fiber Flexibility Pedestals (CFFP)



CFSM-FM Splitters

Fit Charles Fiber Interconnect Terminals (CFIT),
Fiber Building Terminals (CFBT),
and Optical Hub Cabinets (OHC)

Specifications

Split Ratio	UoM	1x4	1x8	1x16	1x32	1x64
Operating Wavelengths	nm	1260-1650				
Insertion Loss (Max)*	dB	7.7	11.2	14.2	16.9	21.1
Uniformity	dB	0.6	0.8	1.0	1.4	2.0
Return Loss	dB	≥55				
Directivity	dB	≥55				
Polarization Dependent Loss	dB	0.20	0.20	0.30	0.30	0.40
Temperature						
Operating	°C	-40° to +85°				
Storage	°C	-40° to +85°				
Humidity						
Operating	%RH	5 to 95				
Storage	%RH	5 to 95				
Fiber Type		ITU-T G657 A.1				
Connectors		SC/APC				
Jacketing						
Input Pigtail		2mm, blue				
Output Pigtails		2mm, yellow				
Compliance		GR-1221-CORE / GR-1209-CORE				

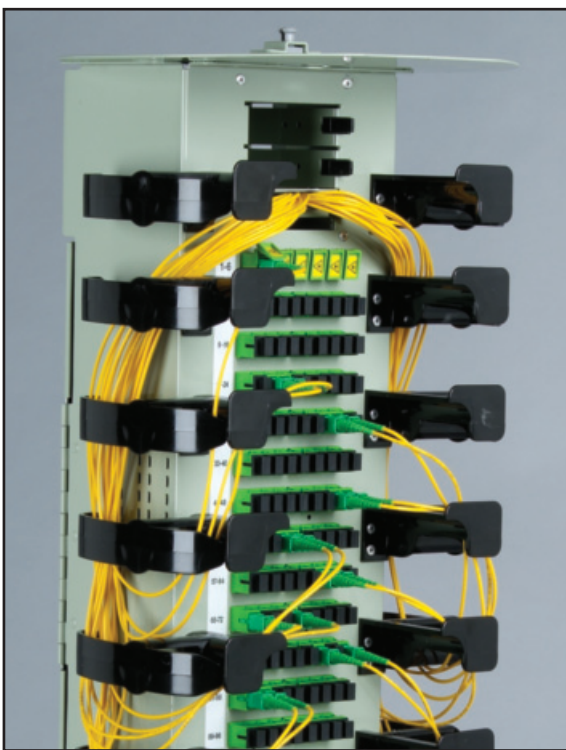
Note: Modules containing multiple splitters have the same specifications as a module with a single splitter.

* Loss values provided do not include connectors.
Connector loss = 0.3dB typical.

CFSM Ordering Information

Enclosure Product Series Compatibility	1x4	1x8	1x16	1x32	1x64
Charles Fiber Flexibility Pedestals (CFFP)	CFSM-FP1104AA	CFSM-FP1108AA ----- CFSM-FP2108AA	CFSM-FP1116AA ----- CFSM-FP2116AA ¹	CFSM-FP1132AA	
Charles Fiber Interconnect Terminals (CFIT), Fiber Building Terminals (CFBT), Optical Hub Cabinet 288 (OHC2-288)	CFSM-FM1104AA	CFSM-FM1108AA	CFSM-FM1116AA ----- CFSM-FM2116AA ¹	CFSM-FM1132AA	CFSM-FM1164AA
Optical Hub Cabinets (OHC)			CFSM-FM1116AA-H	CFSM-FM1132AA-H	CFSM-FM1164AA-H

¹Two 1xN splitters in one module housing.



Charles Fiber Splitter Module (CFSM-FP) in a Charles Fiber Flexibility Pedestal (CFFP).



Charles Fiber Splitter Module (CFSM-FM) in a Charles Fiber Building Terminal (CFBT).



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