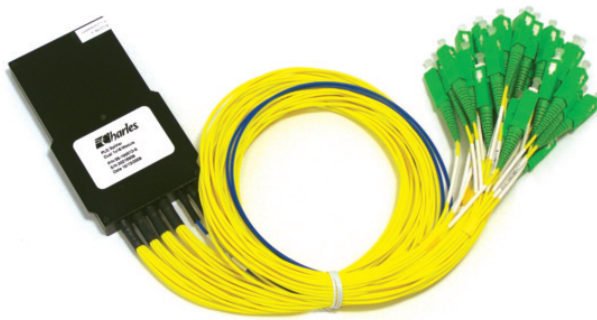


Charles Fiber Splitter Modules (CFSM)

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



1x16 and 1x32 CFSM-FP Splitters
Fit Charles Fiber Flexibility Pedestals (CFFP)



1x32 and 2x32 CFSM-FM Splitters
Fit Charles Fiber Interconnect Terminals (CFIT)
and Charles Fiber Building Terminals (CFBT)

Specifications

Charles Part Number	UoM	CFSM-FP1132AA	CFSM-FP1116AA CFSM-FP2116AA	CFSM-FM1132AA	CFSM-FM1232AA
Split Ratio		1 x 32	1 x 16	1 x 32	2 x 32
Platform Compatibility		CFFP	CFFP	CFIT / CFBT	CFIT / CFBT
Operating Wavelengths	nm	1260-1650			
Insertion Loss (Max)*	dB	16.8	13.7	16.9	18.0
Uniformity	dB	1.3	1.0	1.4	1.8
Return Loss	dB	≥55			
Directivity	dB	≥55			
Polarization Dependent Loss	dB	0.30			0.45
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			(x2) 2mm, blue
Output Pigtails		2mm, yellow			2mm, yellow
Pigtail Length					
Input	in.	26 (+0/-3)			33 (+0/-3)
Output	in.	29 (+0/-3)			33 (+0/-3)
Module Size (LxWxD)	in.	2.8 x 0.5 x 4.9	2.8 x 0.5 x 4.9	3.2 x 0.7 x 4.7	3.2 x 0.7 x 4.7
Compliance		GR-1221-CORE GR-1209-CORE	GR-1221-CORE GR-1209-CORE	GR-1221-CORE GR-1209-CORE	GR-1221-CORE GR-1209-CORE

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



CFSM Ordering Information

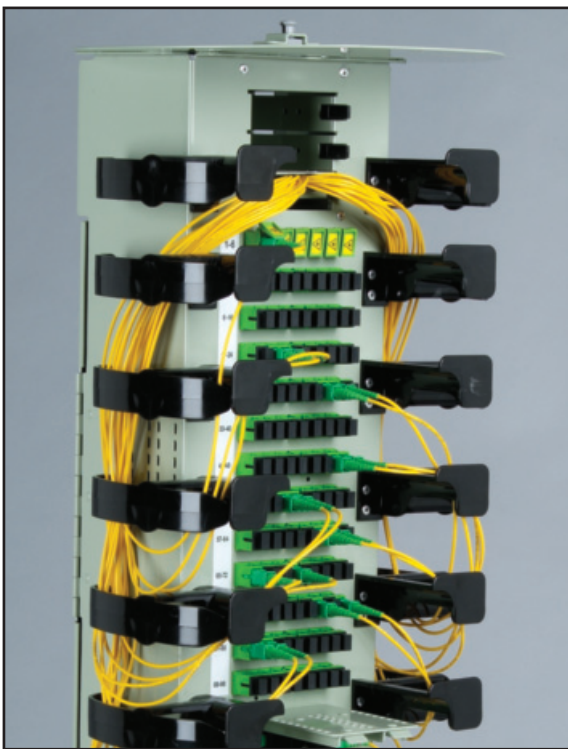
<u>Charles Part Number</u>	<u>Description</u>
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For Charles Fiber Flexibility Pedestals (CFFP)

CFSM-FP1132AA	Charles Fiber Splitter Module, 1x32, SC/APC
CFSM-FP2116AA	Charles Fiber Splitter Module, dual 1x16, SC/APC
CFSM-FP1116AA	Charles Fiber Splitter Module, 1x16, SC/APC

For Charles Fiber Interconnect Terminals (CFIT) and Building Terminals (CFBT)

CFSM-FM1132AA	Charles Fiber Splitter Module, 1x32, SC/APC
CFSM-FM1232AA	Charles Fiber Splitter Module, 2x32, SC/APC



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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D-OSP152-H16