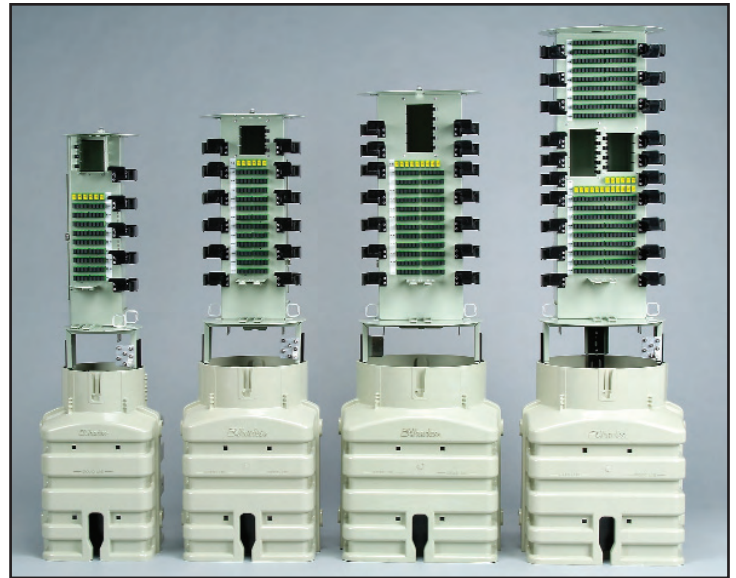


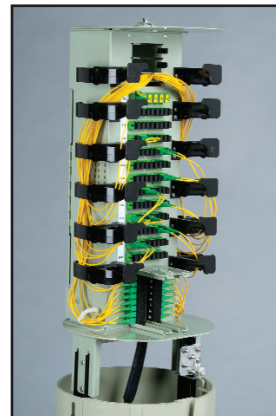
# Charles Fiber Flexibility Pedestals (CFFP)

CFFP offer a scalable, low cost alternative to placing traditional cabinet-type centralized split points (also known as fiber distribution hubs—FDH) in the outside plant. Unlike metallic cabinets, CFFP are flood proof and can be installed in almost any location. Their compact size compared to large cabinets makes them easier to install and ideally suited to small communities and neighborhoods. Right-of-ways are no longer a concern and the units can be economically placed directly in the ground without the need for an expensive pad. CFFP are available in four sizes with up to 72, 96, 144 and 288 fiber counts, and in both stake-mount and vault-mount configurations. Vault-mount models are ideal for locations that require splice case or slack cable storage at the same location as the hub placement.

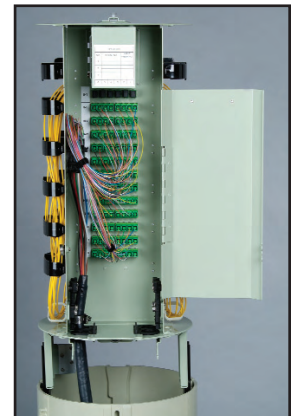


## Product Features

- Non-metallic construction provides superior flood-proof environmental protection
- Direct buried pedestal eliminates the need for expensive pads or concerns for getting right of ways for cabinet placement
- Sizes are configurable with smaller fiber counts to economically optimize fiber hub size for the neighborhood it will serve
- Fiber pass-throughs are available for secure circuits or for the flexibility to extend feed fibers to additional CFFP units for expanding neighborhoods
- Small profile is more aesthetically pleasing than cabinets when placed in residential areas and allows for lower freight and storage costs
- Vault mount and stake mount options allow placement directly on or next to a splicing vault
- Craft-friendly 360° access to internal fiber organization
- Locking cover for back of connectors gives protection while allowing easy access for cleaning without moving the fiber bulkhead
- Organization is optimized with specially designed 3-way bend controls so minimum bend requirements are met no matter how the fibers are routed
- The CFFP is pre-stubbed and tested with feed and distribution cables in the factory
- One splitter module fits all CFFP sizes
- Splitter module outputs are optimally designed for CFFP units. Minimizing leg lengths simplifies fiber housekeeping
- A parking lot for 64 splitter ends is provided. The splitter outputs are placed in integrated parking modules for quick and easy storage, including storage for connector dust covers



Front view of interconnect panel, splitter storage, and fiber routing



Rear view of interconnect panel with pre-wired distribution and feed cables

# Product Specifications

<b>Sizes:</b>	72, 96, 144 and 288 fiber counts All sizes are configurable with smaller outputs (36 and 48 for example) which can be expanded at a later date
<b>Placement configurations:</b>	Direct buried or vault mount pedestal base
<b>Connector Type:</b>	SC/APC for inputs and outputs
<b>Cable Types:</b>	Ribbon or Loose Tube, Shielded or All-Dielectric available
<b>Cable Lengths:</b>	50' or 100' standard
<b>Input Fiber Capacity:</b>	6 fiber for 72 and 96 size, 9 fiber for 144 size and 18 for 288 size
<b>Maximum Number of Splitter Modules:</b>	3 in 72 and 96 fiber size, 5 in 144 fiber size and 9 in 288 size
<b>Splitter Output Parking Capacity:</b>	64

## Splitter Specifications:

<b>Split Ratio</b>	1x32	1x16	
<b>Module Size</b>	2.5" x 0.9" x 5"	2.5" x 0.9" x 5"	
<b>Operating Wavelengths</b>	1260-1360 nm and 1480-1625 nm	1260-1360 nm and 1480-1625 nm	
<b>Typical IL*</b>	15.7 db	12.9 db	
<b>Maximum IL*</b>	17.1 db	14.0 db	
<b>Uniformity*</b>	1.5	1.2	
<b>Return Loss</b>	>55 db	>55 db	
<b>Directivity</b>	>55 db	>55 db	
<b>PDL</b>	0.3	0.3	

\*Values provided do not include connectors

# Ordering Information

## CFFP PEDESTALS

<u>Part Number</u>	<u>Description</u>
CFFP08E 072AE	72 fiber distribution hub, 8" CFFP pedestal, direct buried base, 50' loose tube all dielectric cable
CFFP08EV072AE	72 fiber distribution hub, 8" CFFP pedestal, vault mount base with mounting hardware, 50' loose tube all dielectric cable
CFFP10E 096AE	96 fiber distribution hub, 10" CFFP pedestal, direct buried base, 50' loose tube all dielectric cable
CFFP10EV096AE	96 fiber distribution hub, 10" CFFP pedestal, vault mount base with mounting hardware, 50' loose tube all dielectric cable
CFFP12E 144AE	144 fiber distribution hub, 12" CFFP pedestal, direct buried base, 50' loose tube all dielectric cable
CFFP12EV144AE	144 fiber distribution hub, 12" CFFP pedestal, vault mount base with mounting hardware, 50' loose tube all dielectric cable
CFFP12E 288AE	288 fiber distribution hub, 12" CFFP pedestal, direct buried base, 50' loose tube all dielectric cable
CFFP12EV288AE	288 fiber distribution hub, 12" CFFP pedestal, vault mount base with mounting hardware, 50' loose tube all dielectric cable



Vault-Mount Configuration

## SPLITTER MODULES

CFSM-FP1132AA	1X32 ruggedized splitter module for CFFP series, SC/APC connectors
CFSM-FP2116AA	Dual 1X16 ruggedized splitter module for CFFP series, SC/APC connectors

## MOUNTING HARDWARE

UMB102 A	Universal Pole Mount Bracket w/hardware
UMS36-STD	36" Metal Mounting Stake w/hardware
UMS42-STD	42" Metal Mounting Stake w/hardware

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