

Charles Fiber Distribution Points™ (CFDP)

Closed architecture fiber pedestals feature an “enclosure within an enclosure” design for superior environmental protection.

Charles Fiber Distribution Points (CFDP) offer two-stage environmental protection of fiber optic loop distribution cable and customer service drops in FTTP deployments. This two-stage protection is accomplished by housing a weather-tight interior enclosure within the confines of a non-metallic buried distribution pedestal. Together, this “enclosure within an enclosure” combination is designed to exceed Telcordia GR-771-CORE specifications and provide an unbeatable line of defense against the elements, flooding, fire, dirt, debris, insects, and corrosion.

CFDP are designed to provide the user with maximum flexibility in splicing techniques. CFDP can accommodate loop-through and stub-out distribution cable, ribbon and loose buffer tube type cable, branch and drop splices, and fiber slack storage. CFDP models may be ordered with an optional bulkhead for pre-connectorized drops.

CFDP pedestals are available in 4”, 6”, 8”, 10” and 12” pedestal diameters, accommodating 6-24 cable drops per pedestal.



CFDP make protecting fiber splices and storing slack cable as easy as 1-2-3!

1)

Central office cables are spliced to branch and drop cables within the free breathing, weather-tight interior enclosure. All cable ports are sealed by rubber grommets.



2)

The interior enclosure is sealed with a top-locking dome, creating a weather-tight seal that keeps out moisture, dirt, and debris.



3)

A self-locking exterior dome is then placed over the interior enclosure, creating a flood barrier and an additional layer of protection against the elements.



Product Features

- Interior weather-tight enclosure provides mechanical and environmental protection of splice and cable storage areas
- Lift-off outer dome with self-locking mechanism ensures secure attachment to the base and creates a patented “Bell-Jar Effect” that provides outstanding flood protection
- Pedestal is constructed of non-metallic PVC to resist rust, corrosion, and impact. Internal equipment is protected from floods, fires, and wind-blown dust and debris
- Distribution cable side of splicing backboard includes cable storage compartment, cable management guides, ground wire posts, and strength member clamps
- Customer drop side of splicing backboard features a splice tray basket that holds trays with a 4”x9” or smaller footprint, and has cable management guides for slack storage
- Two-piece “split” base makes it easy for technicians to place the pedestal without having to “squeeze” in loop-through cable, preventing bend radius damage during installation
- Expanded-capacity base easily accommodates conduit bundles and increases stability in all soil types
- Optional ribbon fiber splicing accessories available
- RDUP Listed

Enhanced-Security Option

An Enhanced-Security option is available for CFDP in diameters 6" and above. This option divides distribution and drop sides into two separate compartments. The Enhanced-Security option is designed for those service providers that prefer to restrict access between splicers and service installers. Both compartments retain their weather-tight properties.



Bulkhead Configuration

All CFDP may be equipped with an optional bulkhead panel with SC/APC connectors for pre-connectorized cable connections on both the distribution and drop sides of the interior enclosure.



Ribbon Fiber Accessories

The following accessories are available for ribbon fiber splicing applications:

Part #97-RIBNTRAY144
Tyco® FOSC A/B ribbon splice tray (144 fibers), 1 each

Part #97-RIBNTUBEKIT
3M® ribbon transportation tube kit, 3 ft., 10 each

Part #97-RIBNCLIPKIT
Ribbon saddle clip kit, 40 each

Tyco is a registered trademark of the Tyco Electronics Corporation. 3M is a registered trademark of 3M Worldwide.

Product Specifications

STANDARD CONFIGURATION (INNER DOME)

Part Number	CFDP 4-OPS	CFDP206-EPS	CFDP208-EPS	CFDP10-EPSHC
Diameter	4"	6"	8"	10"
Large Cable Ports (1" dia. max)	1	3	4	12
Small Cable Drop Ports (5/8" dia. max)	6	8	12	0
12 Fiber Ribbon Storage (Opening 12ft±2ft)	N/A	12 Feed Side	24 Feed Side	72 Feed Side
Loose Tube Storage (Opening 12ft±2ft)	N/A	8 Feed Side	24 Feed Side	24 Feed Side
Splice Tray Capacity*	1 (4"x9")	4 (4"x9")	4 (4"x9")	6 (6"x15")
Maximum Splice Capacity**	12 Fibers per Tray	12	48	72
	24 Fibers per Tray	24	96	144
	48 Fibers per Tray	N/A	N/A	288
	144 FOSC A/B Fiber Ribbon Tray***	N/A	144	288
Optional Bulkhead Capacity (SC/APC Connectors)	6	8	12	24
Bulkhead Option Part Number	CFDP 4-OP06	CFDP206-EP08	CFDP208-EP12	CFDP10EP24

ENHANCED SECURITY OPTION (SEPARATE DISTRIBUTION AND DROP COMPARTMENTS)

Part Number	CFDP206-ELS	CFDP208-ELS	CFDP10-ELS	CFDP12-ELS	
Diameter	6"	8"	10"	12"	
Large Cable Ports (1" dia. max)	3	4	4	4	
Small Cable Drop Ports (5/8" dia. max)	8	12	18	24	
12 Fiber Ribbon Storage (Opening 12ft±2ft)	12 Feed Side	24 Feed Side	48 Feed Side	48 Feed Side	
Loose Tube Storage (Opening 12ft±2ft)	6 Feed Side	12 Feed Side	24 Feed Side	24 Feed Side	
Splice Tray Capacity*	Drop Side	4 (4"x9")	4 (4"x9")	3 (4"x12") or 2 (6"x15")	4 (4"x12") or 4 (6"x15")
	Feed Side	2 (4"x9")	2 (4"x9")	5 (4"x12") or 3 (6"x15")	8 (4"x12") or 6 (6"x15")
Maximum Splice Capacity**	12 Fibers per Tray	24 Feed / 48 Drop	24 Feed / 48 Drop	60 Feed / 36 Drop	96 Feed / 48 Drop
	24 Fibers per Tray	48 Feed / 96 Drop	48 Feed / 96 Drop	120 Feed / 72 Drop	192 Feed / 96 Drop
	48 Fibers per Tray	N/A	N/A	144 Feed / 96 Drop	288 Feed / 192 Drop
	144 FOSC A/B Ribbon Fiber Tray***	144 Feed / 144 Drop	144 Feed / 288 Drop	288 Feed / 144 Drop	576 Feed / 288 Drop
Optional Bulkhead Capacity (SC/APC Connectors)	8	12	18	24	
Bulkhead Option Part Number	CFDP206-EL08	CFDP208-EL12	CFDP10-EL18	CFDP12-EL24	

Notes:

* CFDP pedestals ship with one (1) 4"x9" or 4"x12" splice tray included.

** Maximum splice capacities shown are for cable-to-cable splices. Overall splice capacity is reduced as drop splices are introduced. For drop splices, Charles recommends using a 12 Fiber Tray with a maximum of 6 drops per tray.

*** Capacities shown achieved using FOSC A/B Ribbon Fiber Tray(s). See ribbon fiber accessory list at top of page.



CUSTOMER SATISFACTION
CONTINUOUS IMPROVEMENT

NETWORK EDGE INNOVATIONS™



Visit our website at <http://www.charlesindustries.com>

Charles Industries, Ltd.
Telecommunications Group
5600 Apollo Drive
Rolling Meadows, IL 60008 USA

Voice: (847) 806-6300
FAX: (847) 806-6231
E-mail: mktsterv@charlesindustries.com

is a registered trademark of Charles Industries, Ltd.

U.S. PATENTS PENDING

D-OSP105-D08