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. CFDP-EPS pedestals feature an inner and outer dome, while CFDP-ELS pedestals offer an "enhanced security" outer dome and two inner compartments with locking doors. These "enclosure within an enclosure" combinations are 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.

CFDP210-EPS (Inner Dome)

CFDP210-ELS (Inner Doors)

CFDP are designed to provide the user with maximum flexibility in splicing techniques. They 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 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. CFDP-EPS is shown (inner dome), CFDP-ELS (inner doors) also available

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

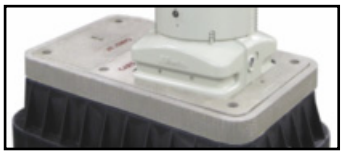
- Interior weather-tight enclosure provides mechanical and environmental protection of splice and cable storage areas
- Lift-off outer dome with self-locking mechanism ensures secure attachment to the base and creates a patented "Bell-Jar Effect" that provides outstanding flood protection
- Pedestal 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
- 8 D-Clips included per pedestal for ribbon fiber. Optional ribbon fiber accessories available
- Flexible fiber organizer design allows splicing on one or both sides, cable management, removable bond bar, strength member clamps and bend radius controls
- 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. Vault mount bases also available

Enhanced-Security Option (CFDP-ELS)

An Enhanced-Security option (ELS) 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.

Vault Mount Option

All CFDP pedestals 6” and above are available in a vault mount configuration fitting on most handhole manufacturers’ lids. Add a “V” suffix after designated square base character (“E”) of part number to include a vault mount base & hardware.



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

Product Specifications

CFDP-EPS STANDARD CONFIGURATION (INNER DOME)

Part Number		CFDP 4-OPS	CFDP206-EPS	CFDP208-EPS	CFDP210-EPS
Diameter		4” (round base)	6”	8”	10”
Large Cable Ports (1” dia. max)		1	3	4	6
Small Cable Drop Ports (5/8” dia. max)		6	8	12	14
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	12 Feed Side	24 Feed Side
Splice Tray Capacity[1]		1 (4”x9”)	4 (4”x9”)	4 (4”x9”)	7 (4”x9”) or 5 (6”x15”)
Maximum Splice Capacity[2]	12 Fibers per Tray	12	48	48	84
	24 Fibers per Tray	24	96	96	168
	48 Fibers per Tray[3]	N/A	N/A	N/A	240
	144 FOSC A/B Fiber Ribbon Tray[4]	N/A	144	288	432

CFDP-ELS ENHANCED SECURITY OPTION (SEPARATE DISTRIBUTION AND DROP COMPARTMENTS)

Part Number			CFDP206-ELS	CFDP208-ELS	CFDP210-ELS	CFDP12-ELS
Diameter			6”	8”	10”	12”
Large Cable Ports (1” dia. max)			3	4	6	6
Small Cable Drop Ports (5/8” dia. max)			8	12	14	22
12 Fiber Ribbon Storage (Opening 12ft±2ft)			12 Feed Side	24 Feed Side	72 Feed Side	72 Feed Side
Loose Tube Storage (Opening 12ft±2ft)			6 Feed Side	9 Feed Side	24 Feed Side	24 Feed Side
Splice Tray Capacity[1]		Drop Side	4 (4”x9”)	4 (4”x9”)	4 (4”x9”) or 2 (6”x15”)	5 (4”x9”) or 4 (6”x15”)
		Feed Side	2 (4”x9”)	2 (4”x9”)	5 (4”x9”) or 3 (6”x15”)	8 (4”x9”) or 6 (6”x15”)
Maximum Splice Capacity[2]	12 Fibers per Tray		24 Feed / 48 Drop	24 Feed / 48 Drop	60 Feed / 48 Drop	96 Feed / 60 Drop
	24 Fibers per Tray		48 Feed / 96 Drop	48 Feed / 96 Drop	120 Feed / 96 Drop	192 Feed / 120 Drop
	48 Fibers per Tray[3]		N/A	N/A	144 Feed / 96 Drop	288 Feed / 192 Drop
	144 FOSC A/B Ribbon Fiber Tray[4]		144 Feed / 144 Drop	144 Feed / 288 Drop	288 Feed / 144 Drop	576 Feed / 288 Drop

Notes:

[1] *CFDP pedestals ship with one 4”x9” splice tray included. Order part #97-FIBR24TRAY for additional trays.*

[2] *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.*

[3] *Capacities shown achieved using FOSC D Fiber Splice Trays.*

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

CUSTOMER SATISFACTION ISO 9001 CSCI TL 9000 CONTINUOUS IMPROVEMENT

INNOVATIVE ENCLOSED SOLUTIONS™

Charles

Dependable Solutions, Superior Support

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