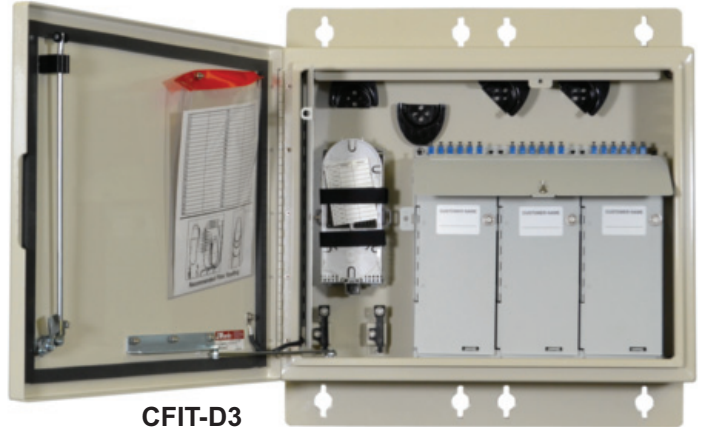# Charles Fiber Interconnect Terminal Multi-Compartment Version (CFIT-D3)

Rugged, environmentally-sealed terminals provide secure fiber interconnect facilities to multiple customers

Charles multi-compartment Fiber Interconnect Terminals (CFIT-D3) provide a rugged outdoor cabinet solution ideally suited to cell sites, campuses, strip malls, business parks and other environments where multiple customers require high-capacity fiber bandwidth for wireless backhaul, private networks or data and video broadband services. The CFIT-D3 is designed as a demarcation terminal with lockable internal chambers that separate access between the service provider and up to three different subscribers. Heavy duty flanges allow for easy installation on wall, poles or H-frame mounts.
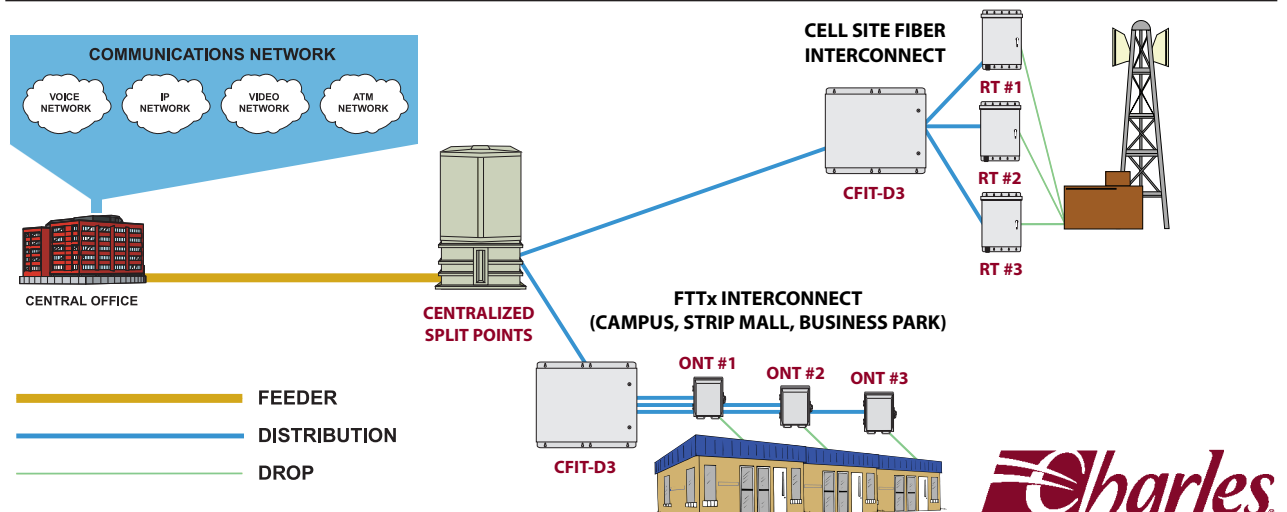

CFIT-D3

With multiple built-in SC/APC or SC/UPC adapter bulkheads, CFIT-D3 cabinets facilitate fast and easy provisioning of fiber services to the end customers' fiber multiplexing equipment. Fiber drops can be turned up, moved or disconnected on an "as needed" basis, giving telecom service providers added flexibility in their efforts to provide broadband voice, data and video services to customers whose bandwidth requirements may change seasonally or due to major events.
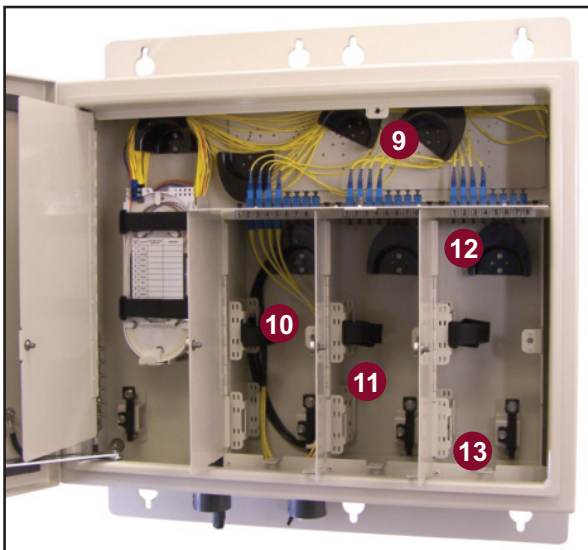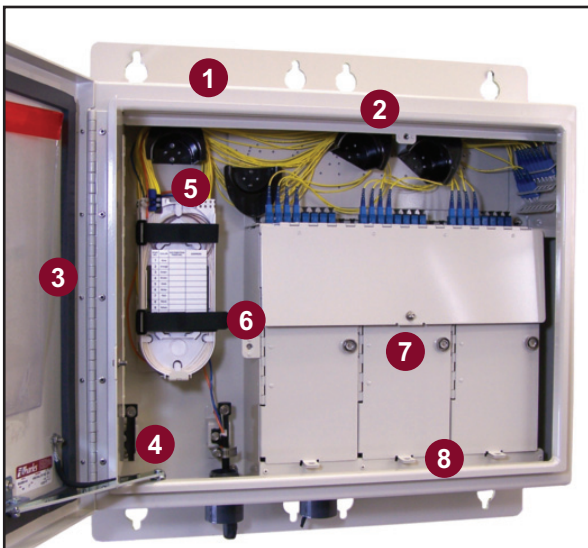
MADE IN THE USA

Specifications

Dimensions*:	21"H x 26"W x 7.5"D (w/o mounting brackets) 27.5"H x 26"W x 7.5"D (w/ mounting brackets)
Weight:	44 lbs.
Construction:	1/8" Welded Aluminum with Powder-Coated Paint Finish
Splicing Capacity:	Up to Four (4) 4"x9" Splice Trays
Lock Mechanisms:	Two (2) 216-Hex Locks secure with 1/4 turn, Customer Chambers have Individual Padlockable Hasps
Hinges:	Continuous Piano Hinge with Door Stop Locking Hinge
Mounting:	Wall, Pole or H-Frame Mount with Upper and Lower Removable Mounting Flanges
Compliance:	UL Listed for 50 NEMA 4 Specifications

Applications

COMMUNICATIONS NETWORK

VOICE NETWORK | IP NETWORK | VIDEO NETWORK | ATM NETWORK

CENTRAL OFFICE

CENTRALIZED SPLIT POINTS

CELL SITE FIBER INTERCONNECT

RT #1
RT #2
CFIT-D3
RT #3

FTTx INTERCONNECT
(CAMPUS, STRIP MALL, BUSINESS PARK)

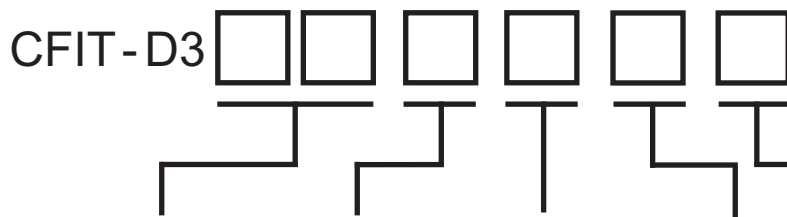ONT #1   ONT #2   ONT #3

CFIT-D3

FEEDER
DISTRIBUTION
DROP

charles

CFIT-D3 Product Features

1. Welded aluminum housing and powder-coated paint finish

2. Robust sealing using J-Flange

3. Weather-tight door gasket

4. Cable entry area includes two cable and strength member attachments and two cable entry knockouts sized for 1.25" and 2" conduit seals

5. Splice tray basket (holds up to 4 trays) and cable slack storage

6. Service provider chambers secured with 5/32" hex head security tool

7. Customer chambers secured with a 216 security tool

8. Individual padlock hasps (one per customer chamber)

9. Fiber bend radius control guides

10. Customer chambers support up to twelve (12) fiber interconnect (SC adapters) utilizing standard LGX patch plates

11. Bracket for one (1) Charles A-size splice tray and ample cable storage area

12. Fiber bend radius control guides provide slack storage

13. Cable exit area in each individual customer chamber includes one cable and strength member attachment and one cable entry knockout sized for 1.25" and 2" conduit seals

CFIT-D3 Ordering Information

Part Number Configurator:

CFIT - D3 ☐ ☐ ☐ ☐ ☐ ☐

Sample Part Number:

CFIT-D306B00T
Charles Fiber Interconnect Demarcation Terminal with 6 Adapters per Customer Chamber, SC/UPC Connectors, No Pigtails, 1 Splice Tray

Adapters per Customer Chamber	Connector Type	Pigtail Quantity	Pigtail Type	Splice Trays
02 = 2 Adapters	A = SC/APC	0 = None	0 = None	0 = None
04 = 4 Adapters	B = SC/UPC	1 = 12 Connectors	P = 2mm Jacketed Pigtails	T = Single Splice Tray (A Size)
06 = 6 Adapters	F = FC/FC	2 = 24 Connectors	R = Ribbon Fanout (Ribbon to 900 micron)	2 = Qty. Two (2) Splice Trays (A Size)
08 = 8 Adapters			L = Loose Tube Fanout (250 to 900 micron)	