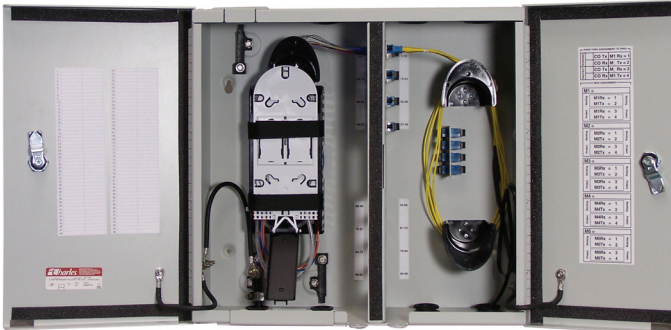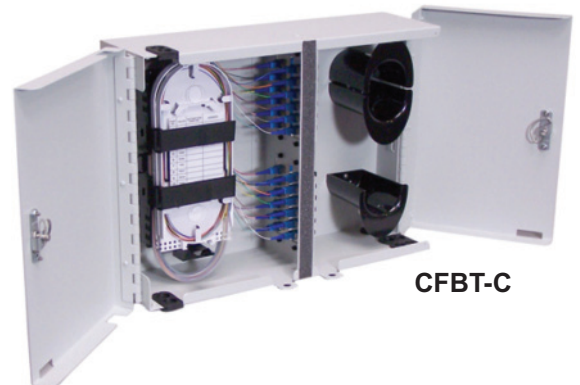# Charles Fiber Building Terminals (CFBT)

Fast, flexible indoor aggregation or demarcation enclosure for every type of fiber optic network

MADE IN THE
USA

CFBT-S

CFBT-C

Charles Fiber Building Terminals (CFBT) provide flexible, compact indoor enclosure solutions for fiber aggregation or demarcation of up to 96 SC fiber connectors and/or 432 fiber splices with easily field upgradeable options. The flexible splicing area and bulkhead design allows for splicing or terminating all different fiber types and connectors. With a bare end or connector splitter tray (CFST), CFBT enclosures also offer the capability of a fiber distribution hub. A compact CFBT-C version is available for up to 48 fiber connectors and/or 120 fiber splices.

CFBT are constructed out of powder-coated aluminum and offer safe and secure protection of interior adapters, splice trays and other equipment. Their light weight allows for one-person installation on interior building walls. Subscribers can be added incrementally for grow-as-you-go scalability, with intelligently designed fiber feed and drop tray arrangements, adapter panels and fiber cable management ensuring existing subscribers are undisturbed as new subscribers are added.

Applications

CFBT cabinets are ideally suited to multi-dwelling units (MDU), cellsites, campuses, strip malls, business parks and other applications where the customer requires high-capacity fiber bandwidth for wireless backhaul, private networks or data and video broadband services. Their convenient form factor saves space in basements, huts, telecom equipment closets and other indoor locations.

Cellsites
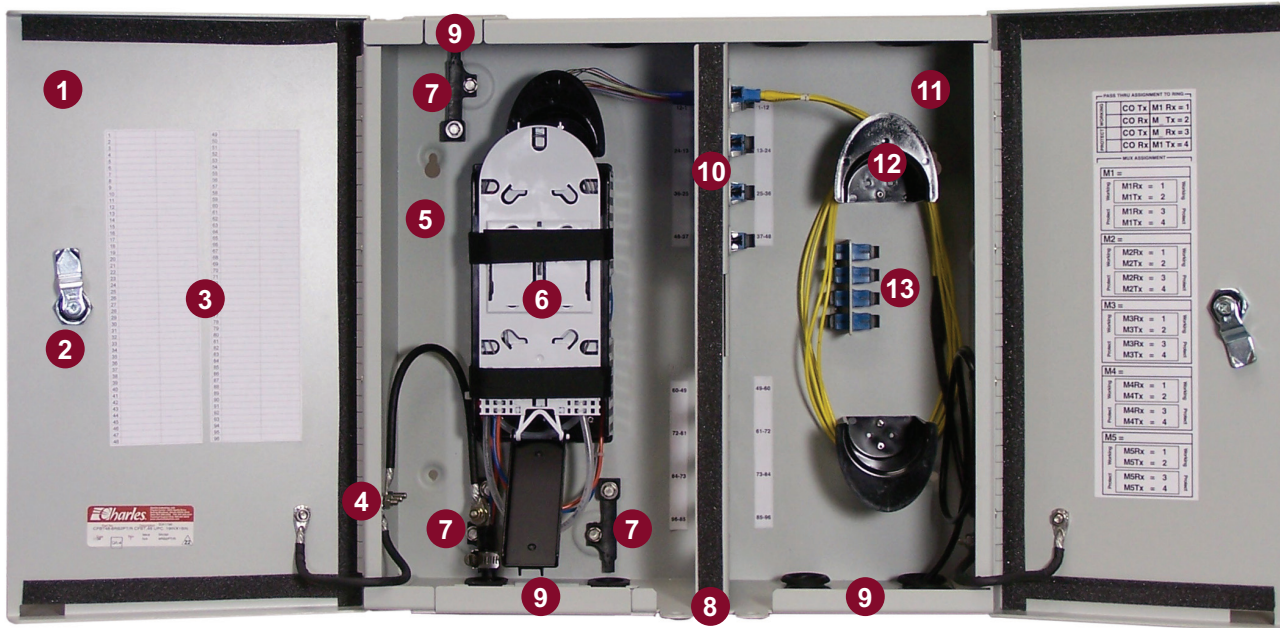
Low Rise / Garden Style MDU

Mid Rise / High Rise MDU

Business Parks

Charles

CFBT Product Features

1. Riveted aluminum housing and powder-coated paint finish

2. 216-tool hex-head quarter turn door locks

3. Address label

4. Internal and external ground lugs

5. Feed side compartment with separate locking door

6. Splice tray basket available on feed and/or dropside (standard or hinged trays)

7. Cable and strength member attachment locations

8. Individual padlock locations for each door

9. Multiple grommet locations for cable ingress/egress on top and bottom for loop through and stubbed fiber applications

10. Adapter plate for CO connections and direct equipment interconnects expandable in 12 adapter bank increments up to 96 total SC adapters. Other adapter types available

11. Drop side compartment with separate locking door

12. Cable bend control guides and slack storage

13. Optional 8 adapter plate to facilitate the inter-connection of equipment in a collapsed ring design

CFBT-S shown. Other configurations and options available. Please see "CFBT Ordering Information" on back page for additional information.
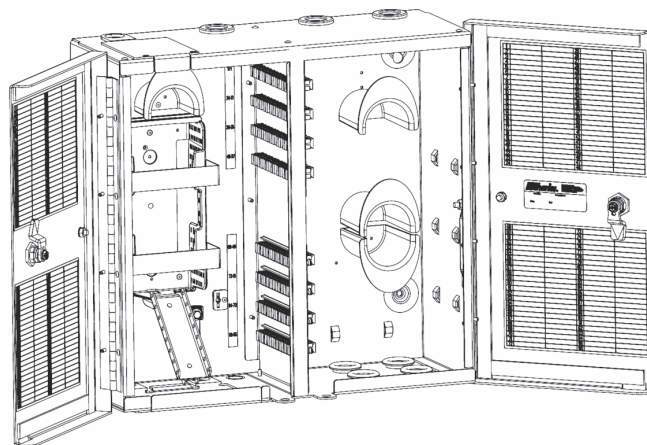
CFBT Accessory Options
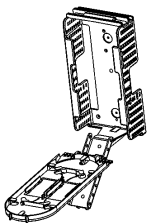
Feed and Drop Side Splicing Options
- Hinged splice tray option with up to 9 splice trays
- Connector option
- Non-hinged tray option
- Fiber splitter tray option
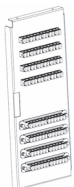
Adapter Bulkhead
- CFBT-S: Maximum 96
- CFBT-C: Maximum 48

Please contact Charles for additional accessory information

Product Specifications

CFBT-S

CFBT-C

	CFBT-S	CFBT-C
Dimensions:	18.5"H x 20"W x 7.5"D	13"H x 17.5"W x 5"D
Weight:	20 lbs.	15 lbs.
Construction:	Double Door Riveted Aluminum Construction with Powder-Coated Finish	Double Door Riveted Aluminum Construction with Powder-Coated Finish
Splicing Capacity:	Up to Nine (9) 4"x9" Hinged Splice Trays on Feed Fiber Side Up to Nine (9) 4"x9" Hinged Splice Trays on Drop Fiber Side	Up to Five (5) 4"x9" Hinged Splice Trays on Feed Fiber Side
Fiber Options:	Fiber Fanout or Pigtail Accessories w/ SC, LC & MPO Connectors	Fiber Fanout or Pigtail Accessories w/ SC, LC & MPO Connectors
Splitter Trays:	1x4, 1x8, 1x16 or 1x32 Bare End or Connectorized Tray Mounted Splitter	1x4, 1x8, 1x16 or 1x32 Bare End or Connectorized Tray Mounted Splitter
Bulkhead Capacity:	96 SC Adapters 192 LC Adapters	48 SC Adapters 96 LC Adapters
Cable Ingress/Egress:	Feed Side - 8 Grommets for loop through or stubbed applications Drop Side - 4 Grommets for loop through or stubbed applications	Feed Side - 4 Grommets for loop through or stubbed applications Drop Side - 4 Grommets for loop through or stubbed applications
Security Features:	216-Hex 1/4 Turn Lock and Padlockable Hasp on both Feed Side and Drop Side Compartments	216-Hex 1/4 Turn Lock and Padlockable Hasp on both Feed Side and Drop Side Compartments
Mounting:	Internal Wall Mount Features	Internal Wall Mount Features
Compliance:	Designed to Meet or Exceed GR-2898-CORE and UL 50 NEMA 12 Specifications	Designed to Meet or Exceed GR-2898-CORE and UL 50 NEMA 12 Specifications

CFBT Ordering Information

	(1) Cabinet Size	(2) Bulkhead Count	(3) Connector Type	(4) Fiber Quantity	(5) Fiber Type	(6) Feed Splice Trays	(7) Drop Side Splice	(8) Misc. Kits
CFBT -	☐	☐☐	☐	☐	☐	☐	☐	☐

(1) Cabinet Size
- **S** Standard
- **C** Compact

(2) Bulkhead Count
- **00** 0 Adapters
- **12** 12 Adapters
- **24** 24 Adapters
- **48** 48 Adapters
- **72** 72 Adapters
- **96** 96 Adapters

(3) Connector Type
- **0** None
- **A** SC/APC
- **B** SC/UPC
- **C** LC/APC
- **D** LC/UPC
- **E** MPO

(4) Fiber Quantity
- **0** 0 Connectors
- **1** 12 Connectors
- **2** 24 Connectors
- **4** 48 Connectors
- **7** 72 Connectors
- **9** 96 Connectors

(5) Fiber Type
- **0** None
- **P** 2MM Jacketed Pigtails
- **R** Ribbon Fanout
- **L** Loose Tube Fanout
- **M** MPO Fanout
- **S** Stubbed Fiber Cable

(6) Feed Splice Trays
- **0** None
- **H** Hinged Splice Tray(s)
- **S** Splice Tray(s)
- **P** Connector Feed Mngt.

(7) Drop Side Splice
- **0** Connector Drop Mngt.
- **H** Hinged Splice Tray(s)
- **S** Splice Tray(s)

(8) Misc. Kits
- **0** None
- **1** Ring Plate
- **2** Heyco Fittings

NOTES:
- CFBT-Compact (CFBT-C) supports up to 48 adapters and connectors   (1) & (3)
- Ribbon Fanouts are to 900 micron   (5)
- Loose Tube Fanouts are 250 to 900 micron   (5)
- Stubbed Fiber Cable is offered in many types and lengths, call for details   (5)
- Hinged Trays and Splice Trays are provided 1 tray per 12 adapters ordered   (6) & (7)
- Drop Side Splicing option available on CFBT-Standard (CFBT-S) only   (7)
- Many Miscellaneous Kits are available per user specification. Please call   (8)
  Charles Industries for available options and for unique part # assignment

Accessories

Charles Part #	Description
97-CABPMTKIT	Pole Mount Kit (includes hardware)
CFBT-RKMTKIT	CFBT Rack Mount Bracket for 19"/23" Racks
97-FIBR24HTRAY	Charles Fiber Splice Tray for 12 or 24 fibers, 4" x 9" (hinged)
97-FIBR24TRAY	Charles Fiber Splice Tray for 12 or 24 fibers, 4" x 9" (non-hinged)
CFST-A110400	One 1X4 Charles PLC splitter tray, with 2 transportation tubes and 6 tie-wraps
CFST-A110800	One 1X8 Charles PLC splitter tray, with 2 transportation tubes and 6 tie-wraps
CFST-A111600	One 1X16 Charles PLC splitter tray, with 2 transportation tubes and 6 tie-wraps
CFST-A113200	One 1X32 Charles PLC splitter tray, with 4 transportation tubes and 12 tie-wraps
CFST-MM1104AB	One 1X4 Charles tray mounted splitter module, with SC/APC connectors
CFST-MM1108AB	One 1X8 Charles tray mounted splitter module, with SC/APC connectors
CFST-MM1116AB	One 1X16 Charles tray mounted splitter module, with SC/APC connectors
CFST-MM1132AB	One 1X32 Charles tray mounted splitter module, with SC/APC connectors

Dependable Solutions, Superior Support

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- Individualized application consultation
- Superior quality (ISO 9001/TL 9000 registered)

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