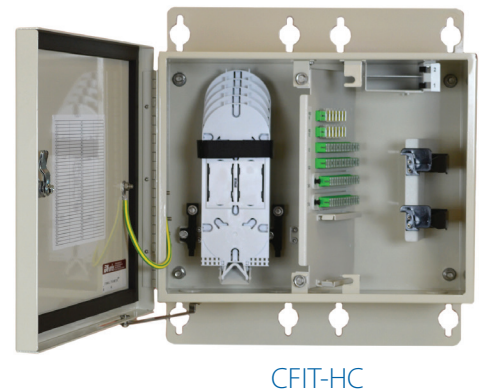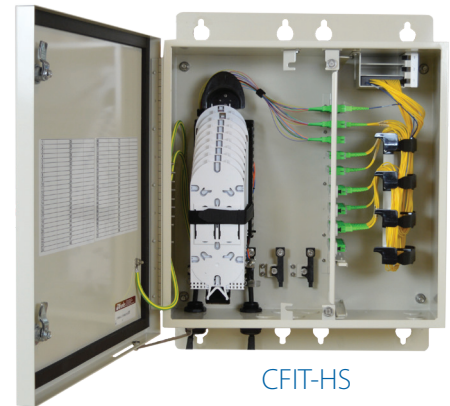## Outdoor Fiber Distribution Hub for Passive Optical Networks (GPON/EPON)

The Amphenol CFIT Hubs provide fiber distribution to up to 96 subscribers from a compact, environmentally protected outdoor terminal. CFIT Hubs have been designed with flexibility in mind and support fusion, pre-terminated and field terminated feed and drop fibers. These PON terminals have space for multiple 1x32 splitters for incremental growth. They are commonly mounted to an exterior wall of a multi-dwelling unit (MDU) for distribution to centralized or distributed Optical Network Terminals (ONT). CFIT Hubs provide fiber distribution to up to 96 subscribers from a compact, environmentally protected outdoor terminal. CFIT Hubs have been designed with flexibility in mind and support fusion, pre-terminated and field terminated feed and drop fibers. These PON terminals have space for multiple 1x32 splitters for incremental growth. They are commonly mounted to an exterior wall of a MDU for distribution to centralized or distributed ONT.

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CFIT Hubs are constructed from powder-coated aluminum that is both durable and lightweight. The unit can be quickly installed by a single technician. The main entrance door is secured with a low-profile, 216-tool quarter turn lock and padlock hasp for additional access control. Both internal and external bond locations are provided. A compact hub (CFIT-HC) option is available for applications of up to 48 subscribers, ideal for small sized MDU.

CFIT-HS

CFIT-HC

Applications:

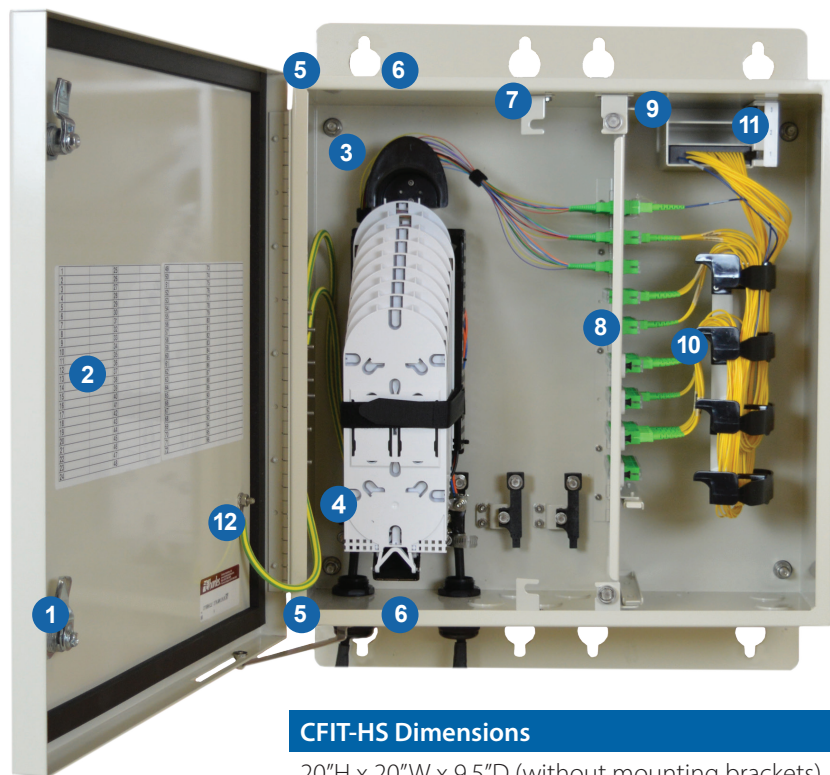| Garden Apartments | Low-Rise MDU | Mid-Rise MDU | High-Rise MDU |

CFIT Hubs provide PON fiber distribution to up to 96 subscribers at multi-user locations, with grow-as-you-go scalability.

Features:

1. 216-tool hex-head quarter turn lock
2. Fiber identification label
3. Bend radius controls
4. Hinged splice trays (up to 9 tray capacity)
5. Feed cable grommet locations
6. Distribution cable grommet locations
7. Hinged bulkhead (locks in two positions)
8. Bulkhead adapters
9. Three splitter slots
10. Fiber routing guides
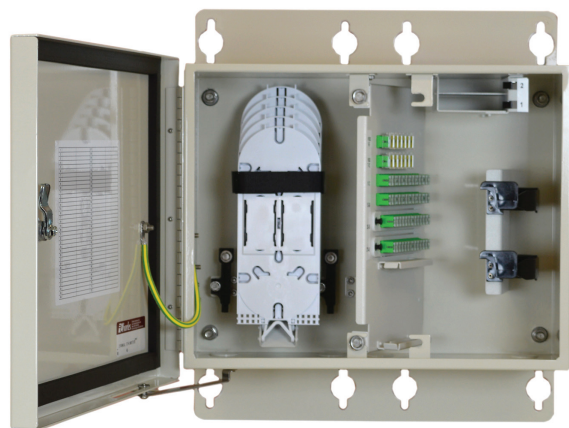11. Cabinet mounting "keyholes" (x2)
12. Internal and external ground lugs

CFIT-HS Dimensions
20"H x 20"W x 9.5"D (without mounting brackets)
Weight (empty): 25 lbs

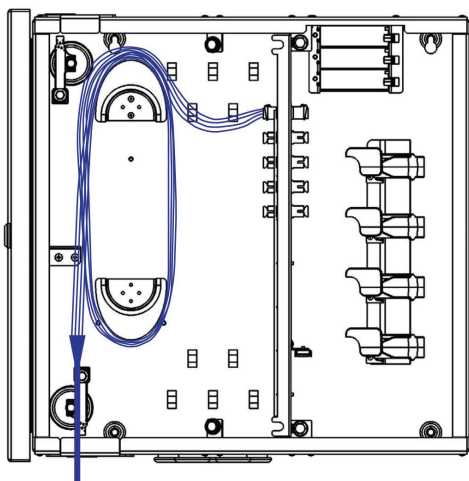## CFIT Hub Compact Version (CFIT-HC)

A compact, 48 subscribers CFIT-HC option is available for smaller sized MDU. This option includes 48 bulkhead adapters, two 1x32 splitter locations, and capacity for up to five hinged splice trays.
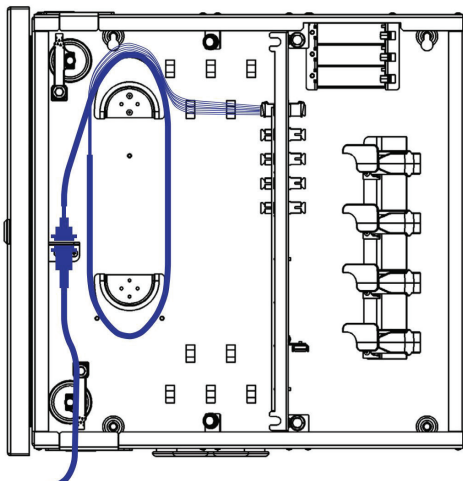

CFIT-HC Dimensions
18"H x 15"W x 8"D (without mounting brackets)
Weight (empty): 17 lbs

Amphenol
Broadband Solutions®

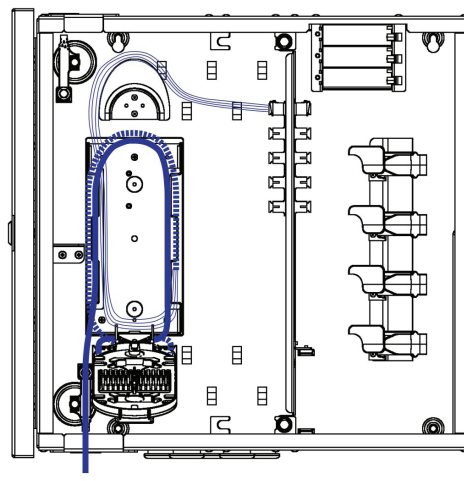amphenolbroadband.com | **Phone:** 800-677-2288

Feed Cable Termination Options

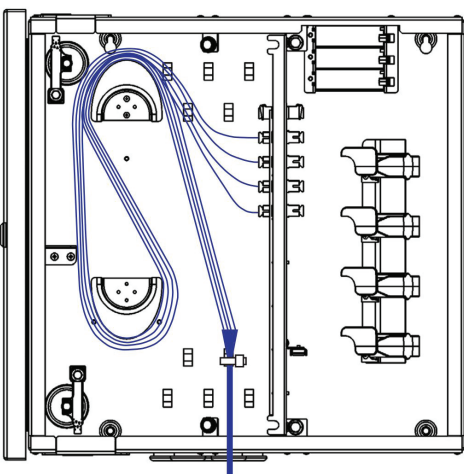Field-Terminated Feed Cable Fiber Routing

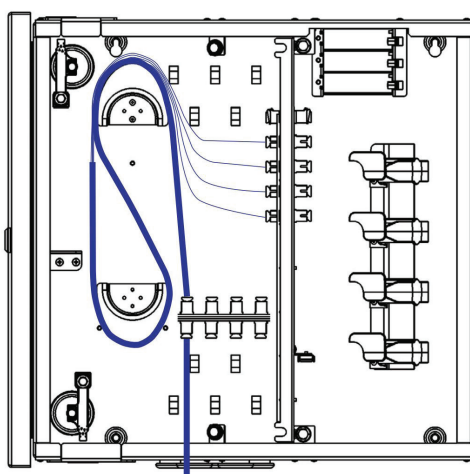Factory-Terminated Feed Cable Fiber Routing
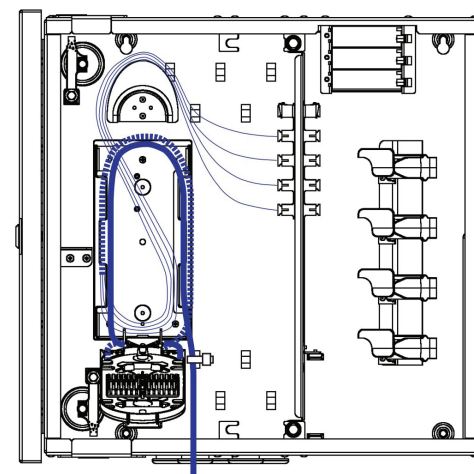

Spliced Feed Cable Fiber Routing

Drop Cable Termination Options

Field-Terminated Feed Cable Fiber Routing

Factory-Terminated Feed Cable Fiber Routing

Spliced Distribution Cable Fiber Routing

Ordering Information

	(1) Cabinet Size	(2) # Subscribers	(3) Feed Fiber Mgmt	(4) Drop Fiber Mgmt	(5)	(6) Feed Fiber Type	(7) Drop Fiber Quantity	(8) Drop Fiber Type	(9) Misc Kits
CFIT					1				1

(1) Cabinet Size

HS	Standard
HC	Compact

(2) # Subscribers

48	48 Adptrs.
72	72 Adptrs.
96	96 Adptrs.

(3) Feed Fiber Mgmt

H	Hinged splice tray(s); (1 tray per 12 adapters)
M	Multi-Fiber Hardened Connector
P	Multi-Fiber MPO Connector

(4) Drop Fiber Mgmt

H	Hinged splice tray(s); (1 tray per 12 adapters)
P	Multi-Fiber MPO Connector
C	SC Connector Drop Management

(6) Feed Fiber Type

0	None
R	Ribbon Fanout (ribbon to 900 micron)
L	Loose Tube Fanout (250 to 900 micron)
M	MPO Fanout Assembly
S	Stubbed Fiber Cable

(7) Drop Fiber Quantity

4	48 Cnctrs.
7	72 Cnctrs.
9	96 Cnctrs.

(8) Drop Fiber Type

0	None
R	Ribbon Fanout (ribbon to 900 micron)
L	Loose Tube Fanout (250 to 900 micron)
M	MPO Fanout Assembly
S	Stubbed Fiber Cable

Notes:
- CFIT-HC compact hub version offered for applications of up to 48 subscribers (1)
- All models include 12 feed adapters (5)
- Stubbed fiber cable is offered in many types and lengths. Contact your sales rep for further details. (6) & (8)
- Many miscellaneous kits are available per user specification. Call for available options and for unique part number assignment. (9)

Accessories

ABS Part Number	Description
CFSM-FM1132AA	1 x 32 pre-connectorized (SC/APC) splitter module, 2mm jacketed pigtails
97-CFBTBNDCNTRL	CFBT upgrade kit for field terminating, includes bend radius control and hardware
97-SCA12LF3M	CFIT upgrade kit containing one 12 loose tube fiber fanout assembly, SC/APC connectors
97-SCA12RF3M	CFIT upgrade kit containing one 12 ribbon fiber fanout assembly, SC/APC connectors
97-ADPT12PNL	CFIT upgrade kit containing one 12 adapter panel, SC/APC adapters
97-FIBR24HTRAY	Amphenol hinged fiber splice tray, up to 24 fusion splices

Amphenol 1x32 Passive Splitter Module (CFSM)

- High quality
- Low insertion loss
- Bend insensitive jacketed fiber
- Right-sized drop length for better management

Amphenol Broadband Solutions®