

# Flex™ Compact Hub Enclosure (32 Ports)

**Environmentally-protected enclosure designed for maximum flexibility at MDU fiber distribution locations**

Charles' Flex Compact Hub (FCH) Enclosures were designed around the principal of "flexibility." These versatile enclosures may be wall or pole mounted and configured for low density Multi-Dwelling Unit (MDU) fiber distribution applications of up to 32 subscribers. With removable feed and drop cable port plates swing out bulkhead and hinged tray basket, FCH are technician friendly and especially efficient at providing rapid FTTX deployment in a variety of multisubscriber environments.

The FCH offering is a series of non-metallic hub enclosures constructed of lightweight, rugged polycarbonate providing long-life environmental protection. A fiber bulkhead provides technician-friendly access to feed and drop cables without disturbing existing subscriber connections. Internal cable management and bend radius controls maximize cable protection. Simple to install and secure, the FCH is truly a flexible enclosure designed to ensure lower total cost of ownership in all distribution network deployments.



**Flex Compact Hub (32 Port) Enclosure\***



**Swing-Out Bulkhead with 1x32 Fiber Splitter\***

*\*NOTE: Cable entry grommets as shown in picture have been replaced with 1" grommets now shown and described in bullet #4 on Page 2.*

## Applications



**Garden Apartments**



**Low-Rise MDU**



**Strip Malls / FTTB**



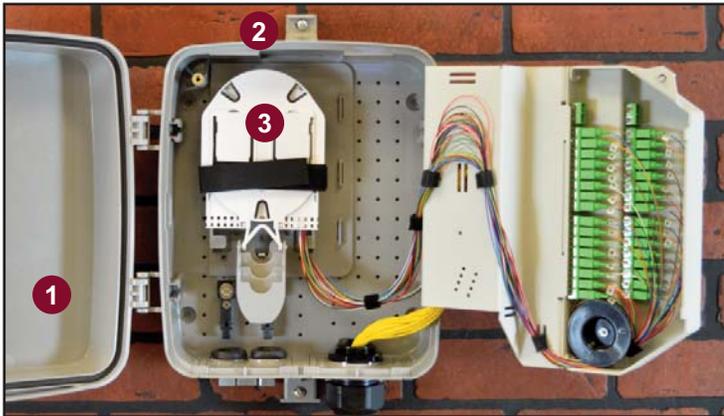
**Campuses**

MADE IN THE  
**USA**

**Charles**

# Flex Compact Hub Product Features

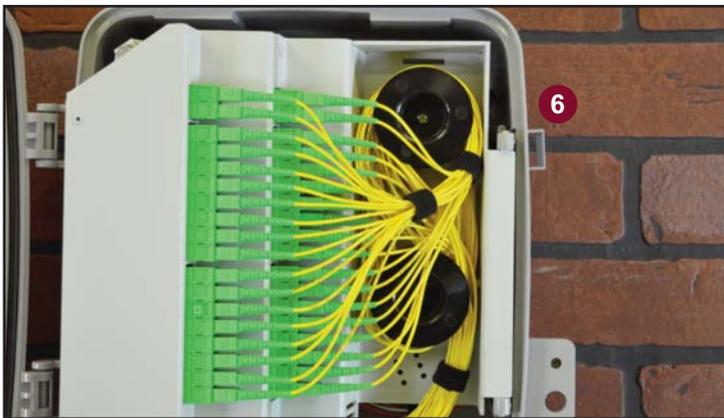
The Flex Compact Hub enclosure is designed to be flexibly configured to the unique requirements of many different fiber optic distribution points. Much engineering consideration was given to creating interchangeable and easily removable parts that also maintain the integrity of the enclosure's environmental protection features and ensure optimal cable routing.



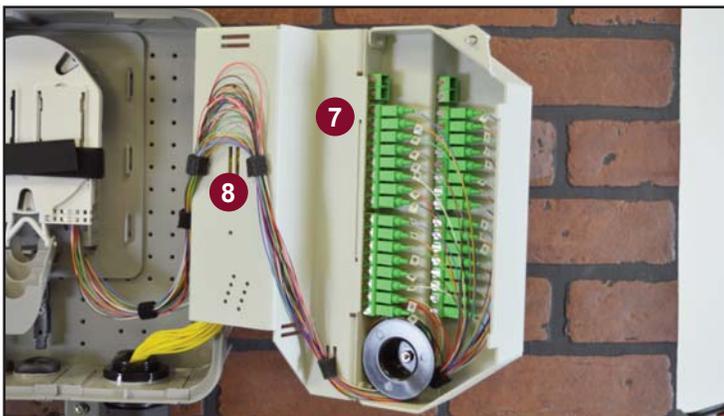
Flex Compact Hub (32 Port)\*



Removable Cable Entry Port Plates



Swing-Out Fiber Bulkhead (Drop Side)



Swing-Out Fiber Bulkhead (Feed Side)\*

- 1 Robust lightweight polycarbonate construction for indoor/outdoor use
- 2 Molded-in wall/pole mount brackets for bolting to wood, masonry, and drywall
- 3 Backplane accommodates up to three small hinged splice trays and cable attachments for convenient fiber splicing
- 4 Removable cable entry port plates (left and right) each feature a 1" entry grommet to maximize cable entrance/exit while maintaining the enclosure's environmental protection integrity
- 5 216-tool lockable door with a padlock hasp for enhanced security

## Fiber Bulkhead

- 6 Swing-out fiber bulkhead with 36 SC/APC fiber adapters (4 feed / 32 distribution)
- 7 Fiber bulkhead provides easy access to feed and drop cable adapters as well as bend radius control and strain relief guides
- 8 Efficient internal cable management and routing with multiple tie-down locations

*\*NOTE: Cable entry grommets as shown in picture have been replaced with 1" grommets now shown and described in bullet #4*



Closed View

# Product Specifications

Dimensions: 15"H x 12"W x 5.5"D (38cm x 30.5cm x 14cm)  
 Construction: Rugged UL94-5VA Gray Polycarbonate  
 Weight: 7 lbs. (3.18 kg) empty (enclosure only)  
 Connector Types: SC/APC  
 Compliance: Designed to meet GR-950, GR-2898, NEMA 4, IP66

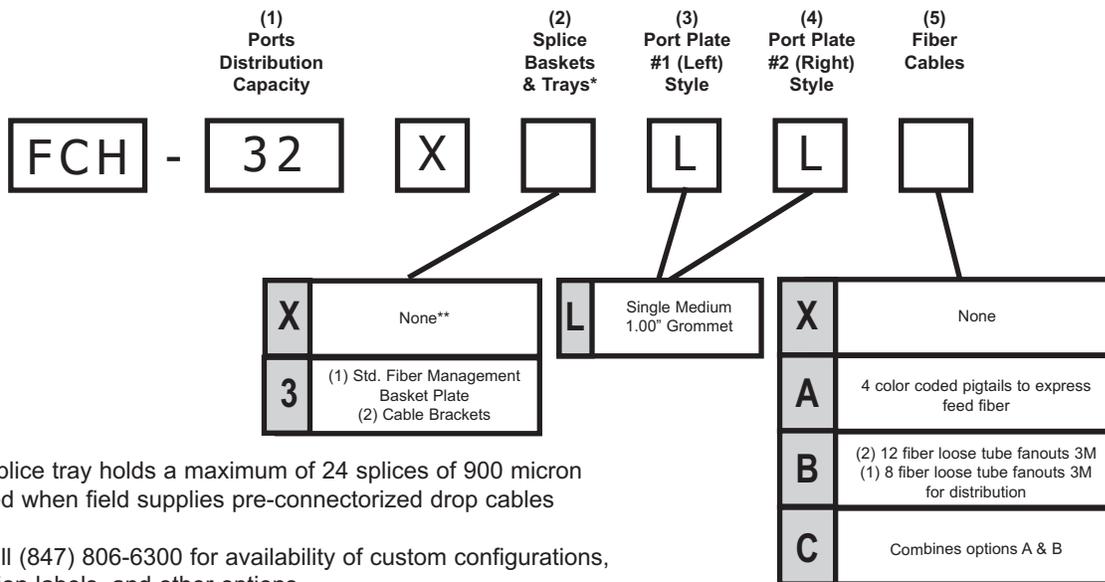
## Flex™ Compact Hub Port Plates

The FCH32 Flex Compact Hub enclosure features two bottom cable entry port locations (left and right), each equipped with one 1" grommet for cable ingress/egress. Port plates slide out from the enclosure allowing technicians to easily place cables and perform maintenance. Plates lock into place to ensure integrity of the enclosure's environmental protection, but can be easily unlocked and removed without tools by technicians.



One (1) 1.00" Grommet  
 #CFIT-FC-MSGRP

## Flex™ Compact Hub Ordering Information



\* Each splice tray holds a maximum of 24 splices of 900 micron

\*\* Selected when field supplies pre-connectorized drop cables

Please call (847) 806-6300 for availability of custom configurations, identification labels, and other options.

### SPLITTER TRAY OPTION

Part #	Description
CFST-S11320A	1x32 PLC splitter mounted on a Charles Industries 4"x6" splice tray, 900um input stub, SC/APC 900um output preconnectorized pigtails, tray hinge, 6 tie wraps, address label and instructions.

## Dependable Solutions, Superior Support

- Field-proven and unequaled 24-hour technical support
- Individualized application consultation
- Superior quality (ISO 9000/TL 9000 registered)

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