

# Charles Fiber 432 Outdoor Hub Cabinet

## High-Capacity Fiber Distribution Hub for Passive Optical Networks (GPON/EPON)

Outdoor Hub Cabinets (OHC) provide fiber distribution to subscribers from a compact, environmentally protected outdoor terminal. OHC 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 splitters for incremental growth. They may be pad, pole or wall mounted for placement flexibility and are well suited for multi-dwelling unit (MDU) distribution in centralized or distributed Optical Network Terminals (ONT).

OHC are constructed from powder-coated aluminum that is both durable and lightweight. The unit can be quickly installed by a single technician. Front and rear access doors are secured with low-profile, 216-tool quarter turn locks and padlock hasps for additional access control. A grounding bus bar with multiple grounding studs is provided.



OHC 432 (shown with optional plinth)

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## Applications



Garden Apartments



Low-Rise MDU



Mid-Rise MDU



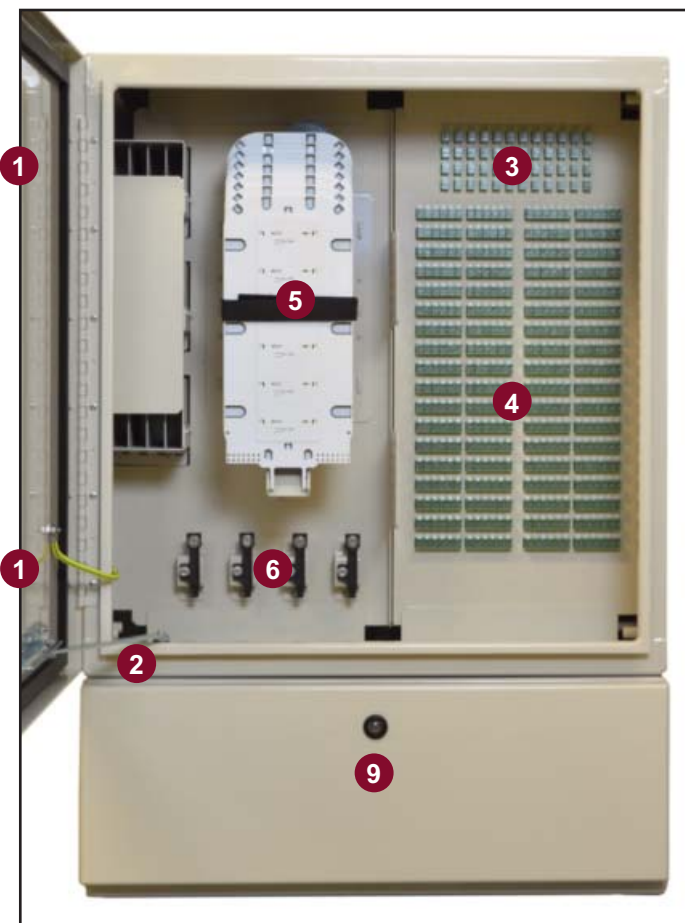
High-Rise MDU

The OHC provides scalable PON fiber distribution for subscribers in highly populated multi-dwelling units (MDU) or subdivisions with single family units.

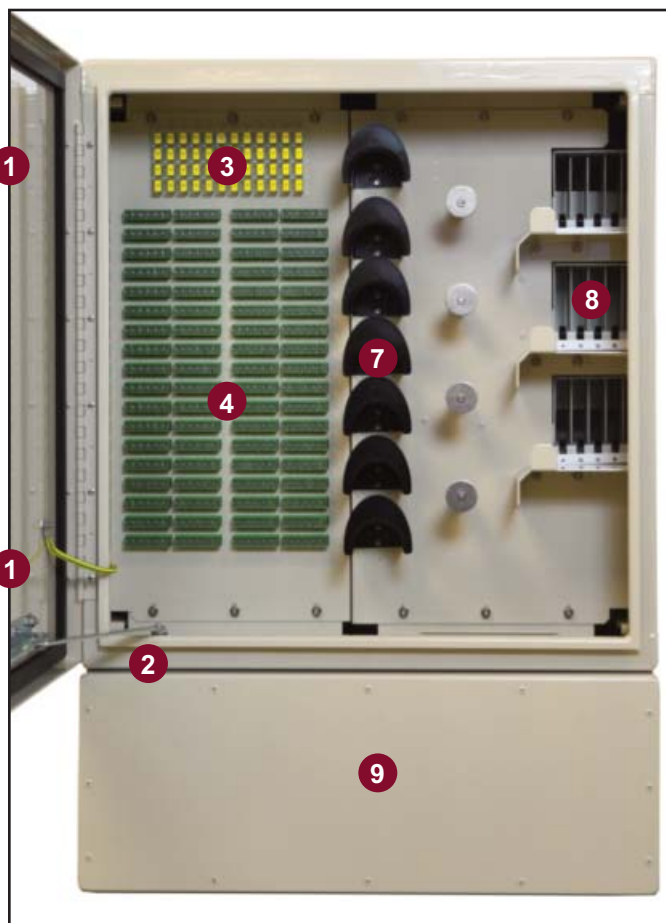


# Outdoor Fiber Hub Product Features

## OHC Splice Compartment



## OHC Distribution Compartment



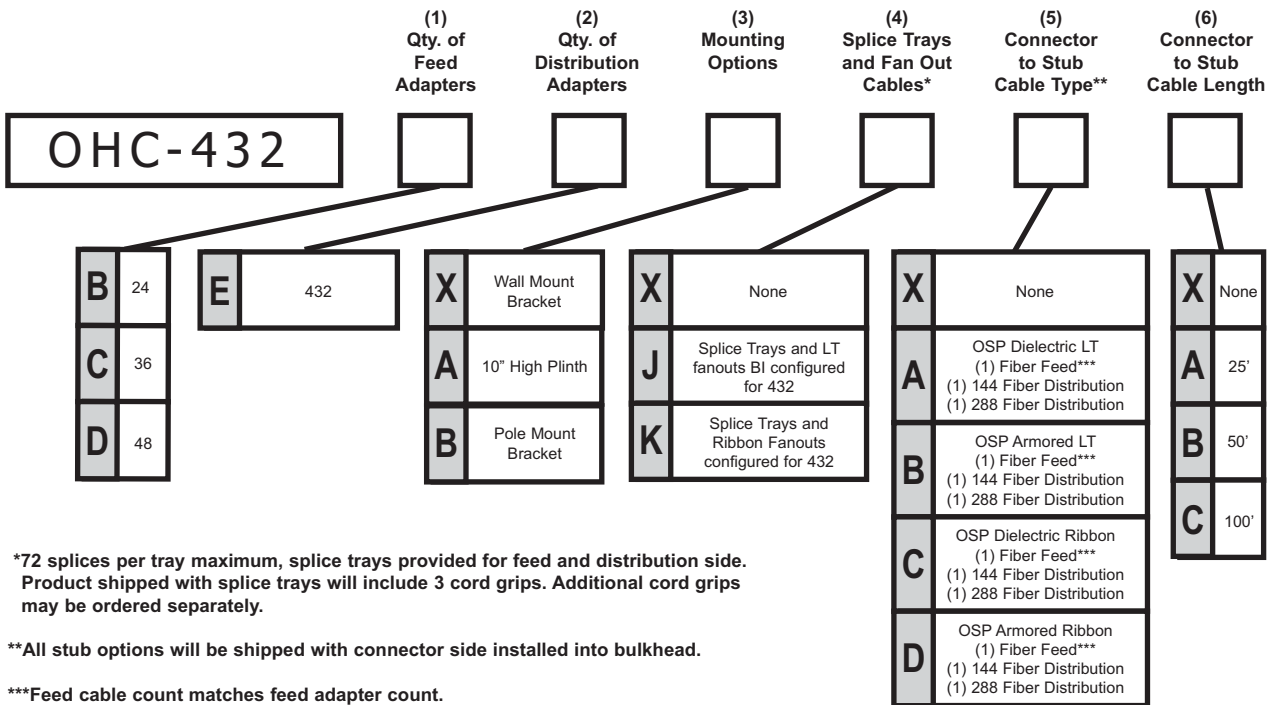
- ① 216-Tool Hex-Head Quarter Turn Lock
- ② Door Wind Latch
- ③ 48 Feed / Pass-Thru Adapters
- ④ 432 Subscriber Distribution Adapters
- ⑤ Splice Tray Basket (holds up to 7 Trays @ 72 Fibers)

- ⑥ Cable Attachments
- ⑦ Fiber Management Spools
- ⑧ 15 Splitter Module Holders
- ⑨ Optional plinth for groundmount installations

### OHC Specifications

Overall Dimensions:	28.25"H x 26.75"W x 16.5"D (without plinth) 38.5"H x 26.75"W x 16.5"D (with plinth)
Weight (empty):	68 lbs. (without plinth) 85 lbs. (with plinth)
Splitter Capacity:	15
Scalable Bulkhead:	48 Feed / 432 Distribution Maximum
Adapter Type:	SC/APC
Finish:	Off-White Powder Coated

# OHC Ordering Information



\*72 splices per tray maximum, splice trays provided for feed and distribution side. Product shipped with splice trays will include 3 cord grips. Additional cord grips may be ordered separately.

\*\*All stub options will be shipped with connector side installed into bulkhead.

\*\*\*Feed cable count matches feed adapter count.



### Charles 1x32 Passive Splitter Module

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

## Accessories

Ordering Number	Description
CFSM-FM2116AA-H	Charles Fiber Splitter Module, Dual 1x16, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtailed, 2mm Blue Jacketed Input Pigtail
CFSM-FM1132AA-H	Charles Fiber Splitter Module, 1x32, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtailed, 2mm Blue Jacketed Input Pigtail
97-SCA12LF3M	12 fiber loose tube fanout 3M assembly, SC/APC connectors
97-72LHTRAY	Charles hinged fiber splice tray, up to 72 fusion splices, for loose tube
97-72RHTRAY	Charles hinged fiber splice tray, up to 72 fusion splices, for ribbon fiber
97-OHCPMKIT	Polemount brackets
97-OHCWMKIT	Wall mount brackets
97-CGHC1	Cord grip and cable attachment bracket for 0.25"-0.34" diameter cable
97-CGHC2	Cord grip and cable attachment bracket for 0.59"-1.00" diameter cable
97-CGHC3	Cord grip and cable attachment bracket for 0.43"-0.85" diameter cable

## Dependable Solutions, Superior Support

- Field-proven and unequalled 24-hour technical support
- Individualized application consultation
- Superior quality (ISO 9001/TL 9000 registered)

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