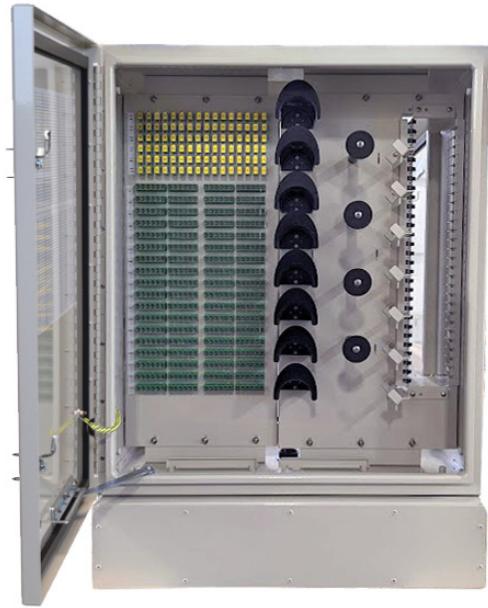


Optical Hub Cabinets (OHC) provide fiber distribution to subscribers from a compact, environmentally protected outdoor terminal. OHC have been designed with flexibility in mind and support fusion, pre-terminated and field terminated feed and drop fibers. These PON terminals have space for multiple splitters for incremental growth. They may be pad mounted and are well suited for multi-dwelling unit (MDU) distribution in centralized or distributed Optical Network Terminals (ONT). The OHC 432 houses 48 feed/pass-thru adapters and 432 distribution adapters for fiber distribution to high density buildings with many potential subscribers.

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 dual 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.

#### MARKETS SERVED:

- Telecom / FTTX
- Utility
- Wireless
- Broadband Cable



OHC2-432 Enclosure  
(shown with optional 6" plinth)

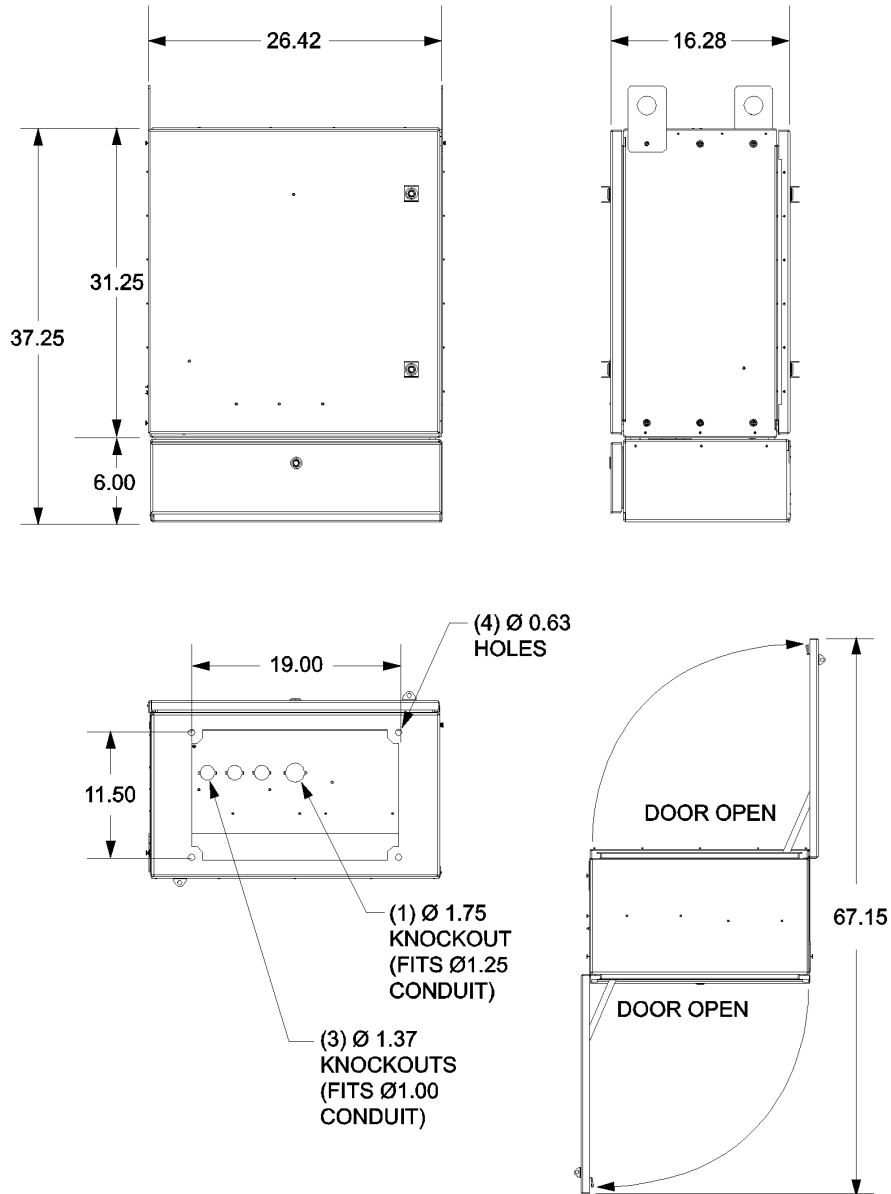
#### FEATURES

- BEAD/BABAA compliant product
- Supports pre-terminated and field terminated feed and drop fibers
- Front and rear access doors are secured with low-profile, 216-tool quarter turn locks and padlock hasps for additional access control
- Durable and lightweight pad mount enclosure can be quickly installed
- Multiple cable entry locations are positioned at the bottom of the enclosure, allowing flexible placement of feed and distribution cables
- Fiber bend radius controls and routing guides ensure cable management and proper slack storage
- Charles Fiber Splitter Modules (CFSM) are available with optimized pigtail lengths
- Constructed from powder-coated aluminum
- Well suited for centralized split in a Passive Optical Network (PON)

# OHC2-432 Optical Hub Cabinet

## DIMENSIONAL VIEWS

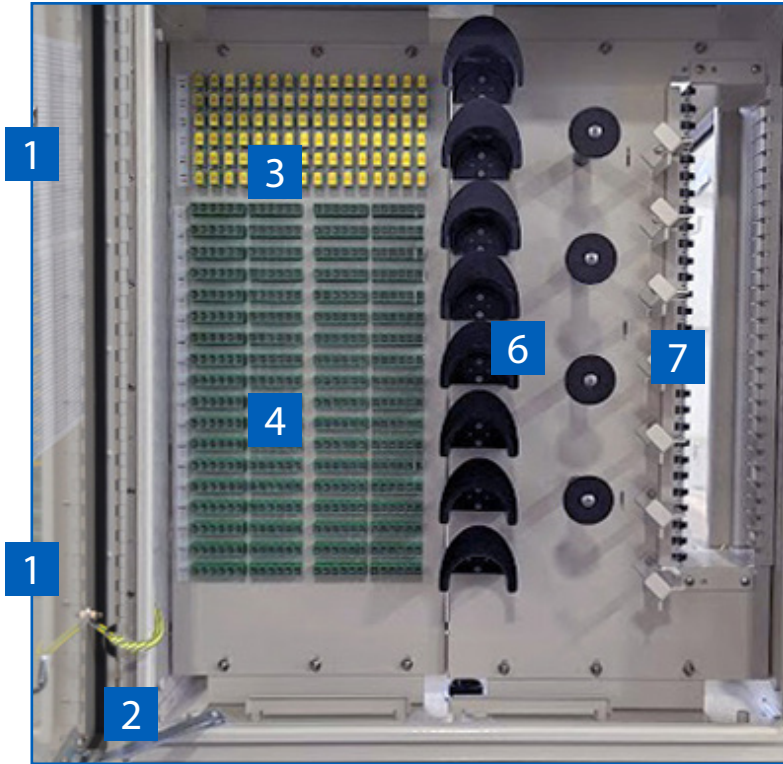
All dimensions given in inches



|                     |  |
|---------------------|--|
| Overall Dimensions: | 31.3"H x 26.4"W x 16.3"D (without plinth)<br>37.3"H x 26.4"W x 16.3"D (with 6" plinth) |
| Weight (empty):     | 81 lbs. (without plinth)<br>99 lbs. (with 6" plinth)                                   |
| Splitter Capacity:  | 28   |
| Scalable Bulkhead:  | 48 Feed / 432 Distribution Maximum   |
| Adapter Type:       | SC/APC   |
| Finish:             | Off-White Powder Coated  |

# OHC2-432 Optical Hub Cabinet

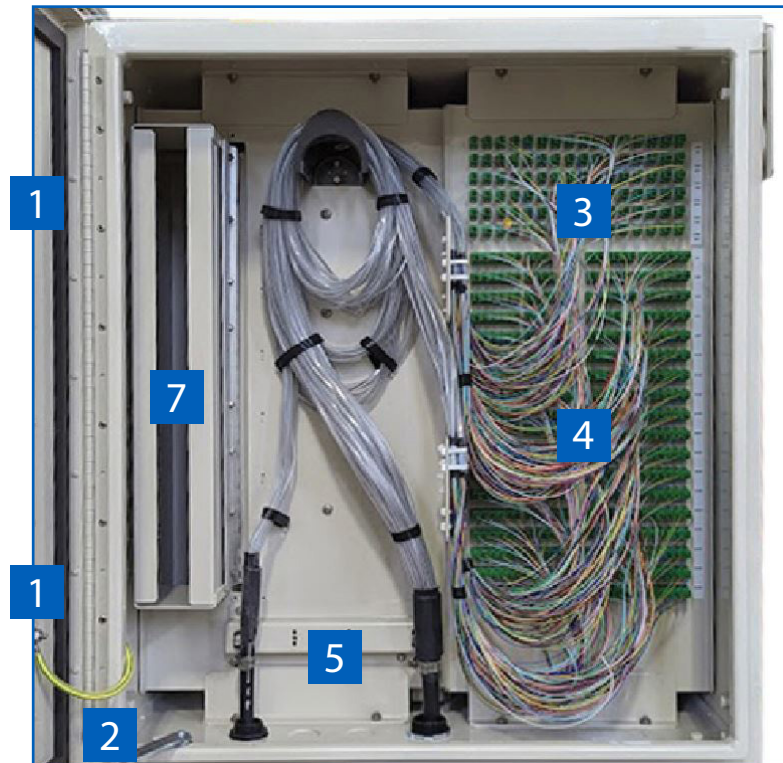
## OHC2-432 SPLITTER COMPARTMENT



### COMPARTMENT FEATURES

- 1 216-Tool Hex-Head Quarter Turn Lock with 3-Point Latch
- 2 Door Wind Latch
- 3 48 Feed / Pass-Thru Adapters
- 4 432 Subscriber Distribution Adapters
- 5 Cable Attachments
- 6 Fiber Management Spools
- 7 28 Splitter Module Holders

## OHC2-432 CABLE COMPARTMENT



# OHC2-432 Optical Hub Cabinet

## PART NUMBER CONFIGURATION

OHC2-432



### A. Quantity of Feed Adapters

B = 24

D = 48

### B. Quantity of Distribution Adapters

E = 432

### C. Mounting Options

A = 6" High Plinth

B = Pole Mount Bracket

### D. Intentionally Left Blank

X = (Fill Space with "X")

### E. Connector to Stub Cable Type\*

A = OSP Dielectric LT, (1) Fiber Feed\*\*, (1) 144 Fiber Distribution and (1) 288 Fiber Distribution

B = OSP Armored LT, (1) Fiber Feed\*\*, (1) 144 Fiber Distribution and (1) 288 Fiber Distribution

C = OSP Dielectric Ribbon, (1) Fiber Feed\*\*, (1) 432 Fiber Distribution

D = OSP Armored Ribbon, (1) Fiber Feed\*\*, (1) 432 Fiber Distribution

### F. Connector to Stub Cable Length

C = 100'

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

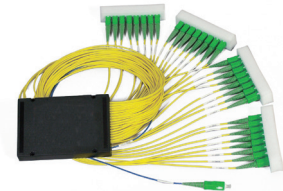
\*\* Feed cable count matches feed adapter count

## ACCESSORIES

### Ordering Number Description

|                 |  |
|-----------------|--|
| CFSM-FM2116AA-H | Charles Fiber Splitter Module, Dual 1x16, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtails, 2mm Blue Jacketed Input Pigtail  |
| CFSM-FM1132AA-H | Charles Fiber Splitter Module, 1x32, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtails, 2mm Blue Jacketed Input Pigtail       |
| CFSC-2823-00    | 28 position splitter chassis 23"   |
| 97-OHCATTPMKIT  | Pole mount brackets  |
| C304836HEETHXFO | 30"x48"x36" True Pad Trier 15 with 30"x24" split covers for Charles OHC-288/432/576 w/ 4 rack rails                                      |
| 97-TOGBOLT5-A   | Mounting Hardware for above product  |
| CPAD-BL3048CI43 | 53"x53"x36" Composite Combo Pad with 30"x24" split covers for Charles OHC-288/432/576 w/ 4 rack rails. CPAD is tier 8 & TPAD is tier 15. |
| TPAD-BL3048CI43 |  |
| 97-PAD-288432   | Poured Pad Template Kit for OHC-288/432/576  |

**Note:** See our CFSM datasheet for more options.



### Charles 1x32 Passive Splitter Module

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

# OHC2-432 Optical Hub Cabinet - BEAD/BABAA Part Numbers



| Ordering Number | Description                     |
|-----------------|---------------------------------|
| OHCU2-432BEAXAC | OHC432 24F/432D PAD LT DE 100'  |
| OHCU2-432BEAXBC | OHC432 24F/432D PAD LT ARM 100' |
| OHCU2-432DEAXCC | OHC432 48F/432D PAD RIB DE 100' |

**Note:** Contact Charles for alternative configurations.




Looking for other BABA compliant products for BEAD funded projects? Please inquire with us for more information.

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