

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 288 houses 48 feed/pass-thru adapters and 288 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



OHC3-288 Enclosure
(shown with optional 6" plinth)



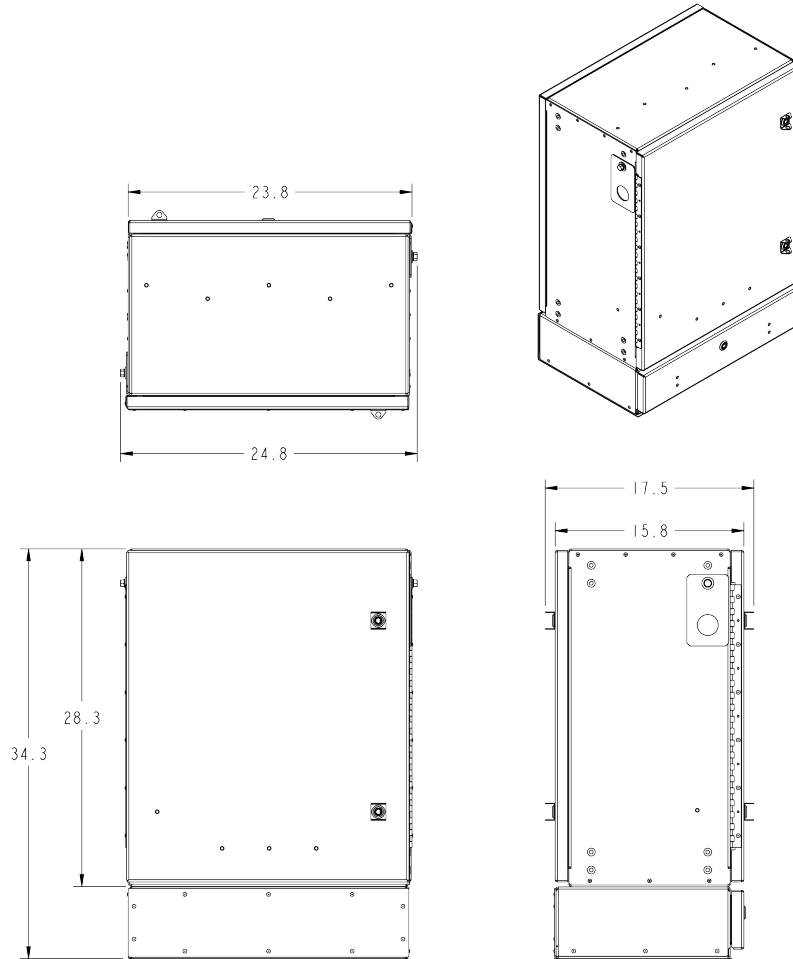
FEATURES

- 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)

OHC3-288 Optical Hub Cabinet

DIMENSIONAL VIEWS

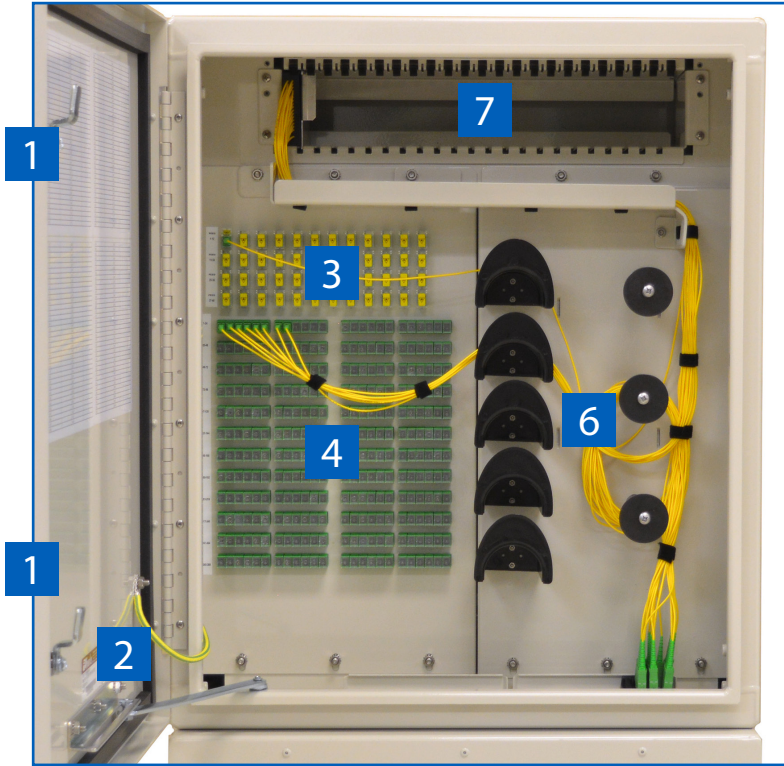
All dimensions given in inches



Overall Dimensions:	28.3"H x 23.8"W x 15.8"D (without plinth) 34.3"H x 23.8"W x 15.8"D (with 6" plinth)
Weight (empty):	64 lbs.(without plinth) 76 lbs. (with 6" plinth)
Splitter Capacity:	22
Scalable Bulkhead:	48 Feed / 288 Distribution Maximum
Adapter Type:	SC/APC
Finish:	Off-White Powder Coated

OHC3-288 Optical Hub Cabinet

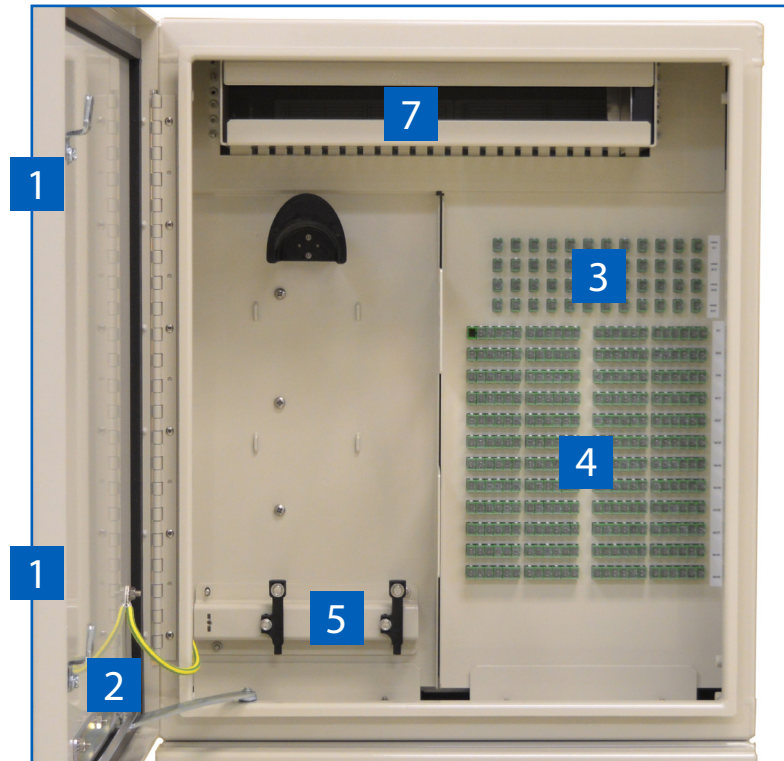
OHC3-288 SPLITTER COMPARTMENT



COMPARTMENT FEATURES

- 1 216-Tool Hex-Head Quarter Turn Lock with 3-Point Latch
- 2 Door Wind Latch
- 3 48 Feed / Pass-Thru Adapters
- 4 288 Subscriber Distribution Adapters
- 5 Cable Attachments
- 6 Fiber Management Spools
- 7 22 Splitter Module Holders

OHC3-288 CABLE COMPARTMENT



OHC3-288 Optical Hub Cabinet

PART NUMBER CONFIGURATION

OHC3-288



A. Quantity of Feed Adapters

A = 12
B = 24
D = 48

B. Quantity of Distribution Adapters

A = 144
B = 288
C = 96

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, Feed and Distribution**
B = OSP Armored LT, Feed and Distribution**
C = OSP Dielectric Ribbon, Feed and Distribution**
D = OSP Armored Ribbon, Feed and Distribution**

F. Connector to Stub Cable Length

C = 100'

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

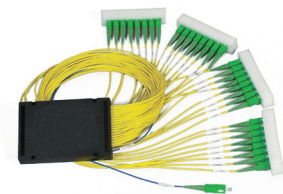
** For a 288 cabinet configuration with loose tube cable, two 144 cables will be used on the distribution side. All other configurations will use a single cable.

ACCESSORIES

Ordering Number Description

CFSM-FM1132AA-H	Charles Fiber Splitter Module, 1x32, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtailed, 2mm Blue Jacketed Input Pigtail
97-OHCPMKIT	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 OHC288/432/576

Note: See our CFSM datasheet for more splitter options.



Charles 1x32 Passive Splitter Module

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

OHC3-288 Optical Hub Cabinet - BEAD/BABAA Part Numbers



Ordering Number Description

OHCU3-288AAAXAC	OHC288 12F/144D PAD LT DE 100'
OHCU3-288BBAXAC	OHC288 24F/288D PAD LT DE 100'
OHCU3-288AAAXBC	OHC288 12F/144D PAD LT ARM 100'
OHCU3-288BBAXBC	OHC288 24F/288D PAD LT ARM 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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