

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 supports 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 delivering broadband services to both Multi-Dwelling Units (MDU) and Single-Family Units (SFU).

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)



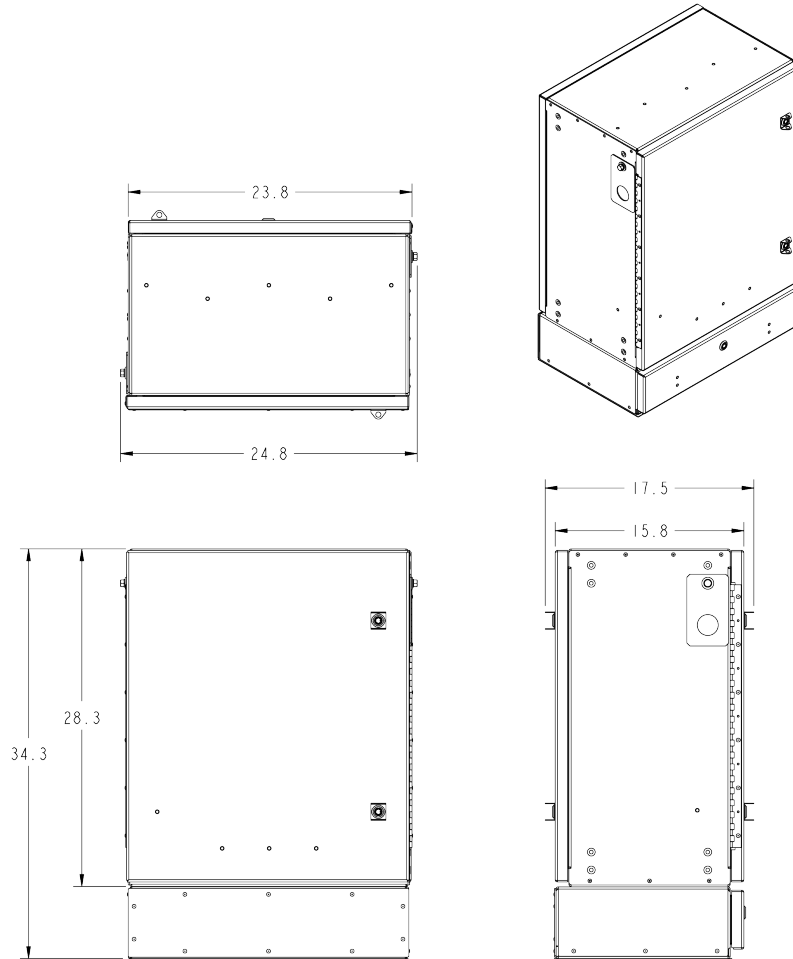
FEATURES

- 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

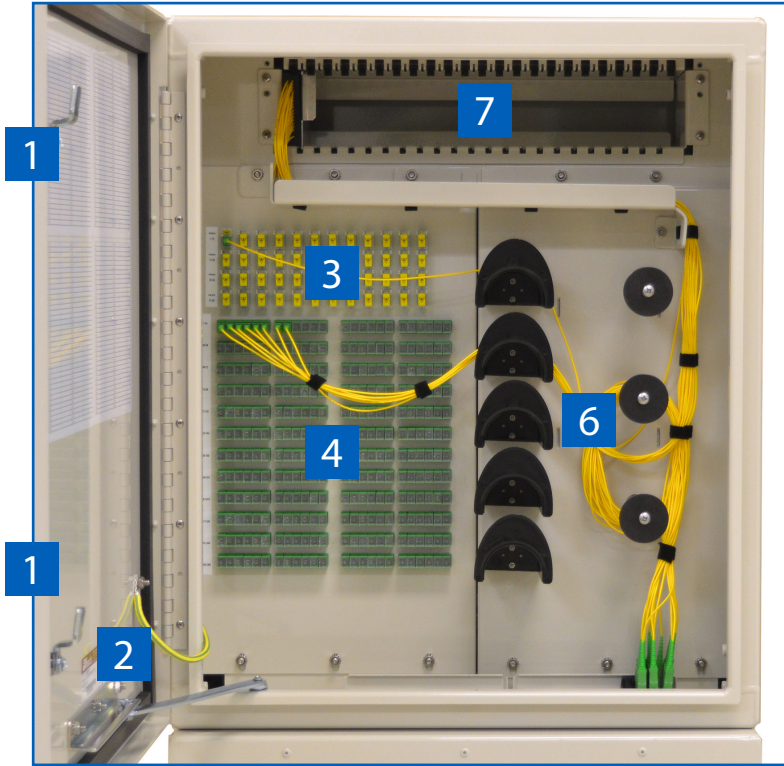
All dimensions given in inches



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

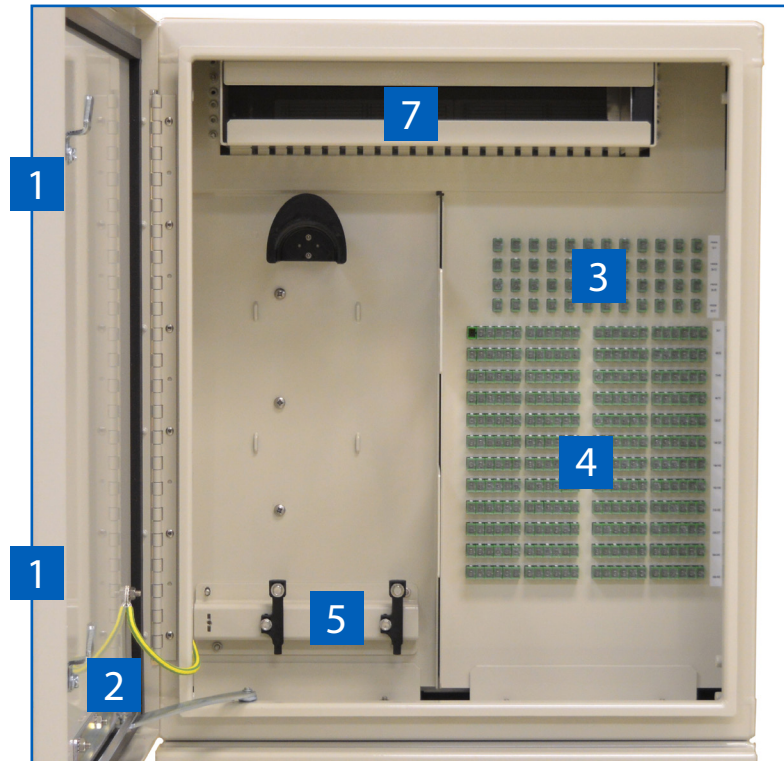
OHC3-288 SPLITTER COMPARTMENT



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

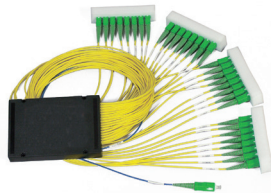
** For a 288 cabinet configuration with loose tube cable, two 144 cables will be used on the distribution side. All other configurations will use a single cable.

ACCESSORIES

Ordering Number Description

CFSM-FM1132AA-H	Charles Fiber Splitter Module, 1x32, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtails, 2mm Blue Jacketed Input Pigtail
97-OHCPMKIT	Pole mount brackets
97-PAD-288432	Poured Pad Template Kit for OHC288/432/576

Note: BEAD/BABAA compliant product part numbers available upon request. 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.

VAULT MOUNTING OPTIONS

Ordering Number	Description	Tier Rating
P243624YBGTHXXX	24"x36"x24" HDPE vault with split cover and opening for mounting CFITH-144/OHC288/432/576, black base, dark green cover	Light Duty
97-P24SPLCVRHD	OHC Hardware Kit, for P243624Y Split Cover & 6, Incls Bracket w-Mounting hardware, 5 Toggle bolts and nuts	
C304836HEETHXFO	30"x48"x36" True Pad Tier 15 with 30"x24" split covers for Charles OHC-288/432/576 w/4 rack rails	15
97-TOGBOLT5-A	OHC Mounting Hardware for C304836 (Bolts & Toggle)	
CPAD-BL3048Cl43	53"x53"x36" Composite Combo Pad with 30"x24" split covers for Charles OHC-288/432/576 w/4 rack	8
TPAD-BL3048Cl43	53"x53"x36" Composite Combo Pad with 30"x24" split covers for Charles OHC-288/432/576 w/4 rack	15



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

