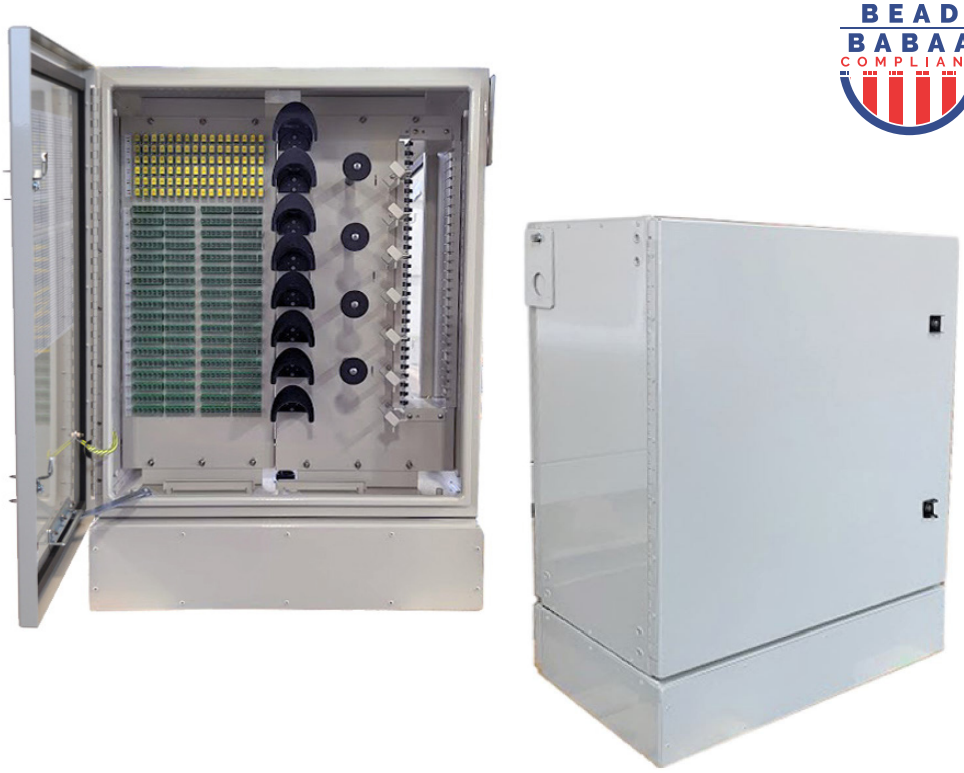
OHC2-432
Optical Hub Cabinet

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 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.



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

MARKETS SERVED:

- ■ Telecom / FTTX
- ■ Utility
- □ Wireless
- ■ Broadband Cable

FEATURES

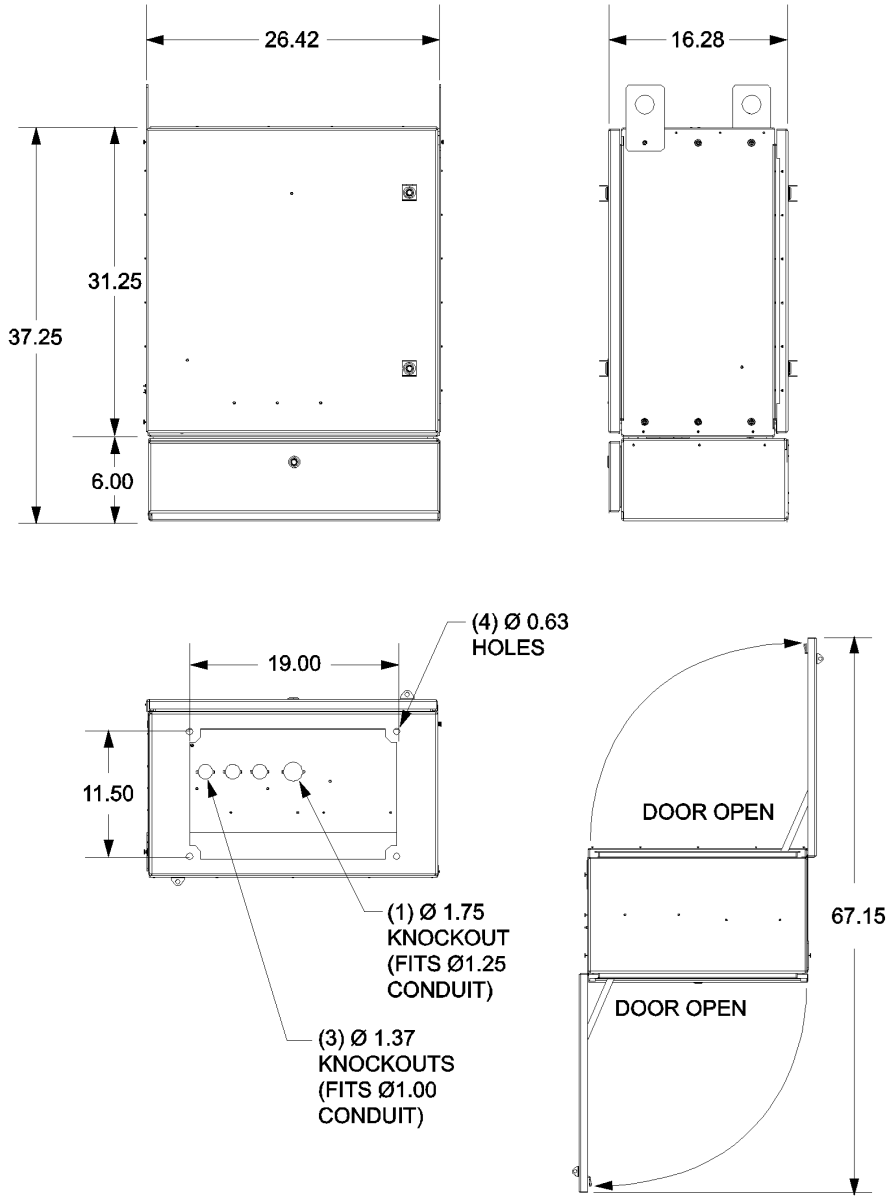
- BEAD/BABAA compliant product
- Supports pre-terminated and field terminated feed and drop fibers
- Front and rear access doors are secured with low-profile, 216-tool quarter turn locks and padlock hasps for additional access control
- Durable and lightweight pad mount enclosure can be quickly installed
- 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)

®2026 Charles Industries, LLC • All Rights Reserved • Specifications Subject to Change

OHC2-432 Optical Hub Cabinet

DIMENSIONAL VIEWS

All dimensions given in inches

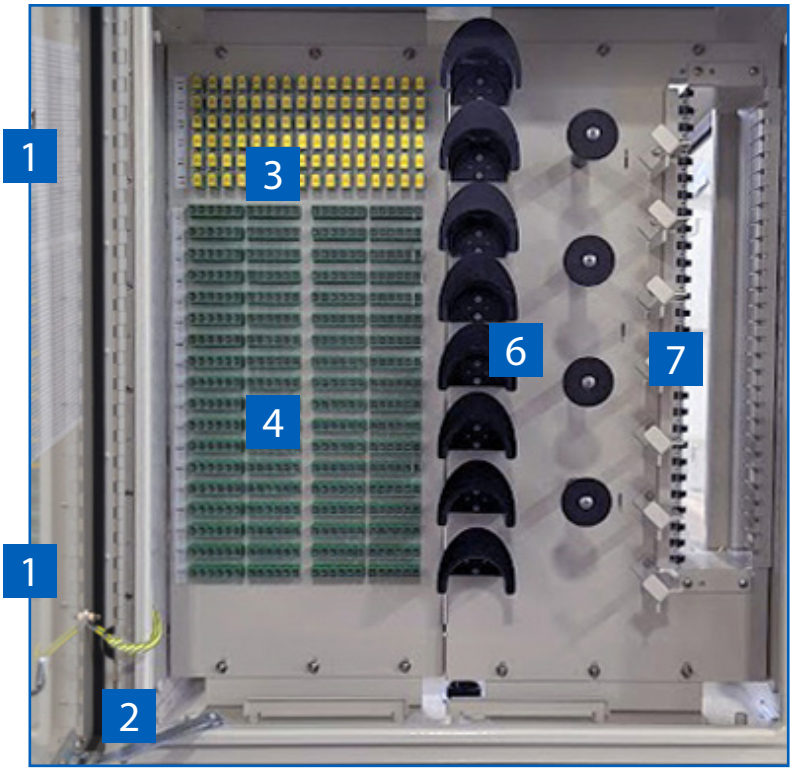


Overall Dimensions:	31.3"H x 26.4"W x 16.3"D (without plinth)
	37.3"H x 26.4"W x 16.3"D (with 6" plinth)
Weight (empty):	81 lbs. (without plinth)
	99 lbs. (with 6" plinth)
Splitter Capacity:	28
Scalable Bulkhead:	48 Feed / 432 Distribution Maximum
Adapter Type:	SC/APC
Finish:	Off-White Powder Coated

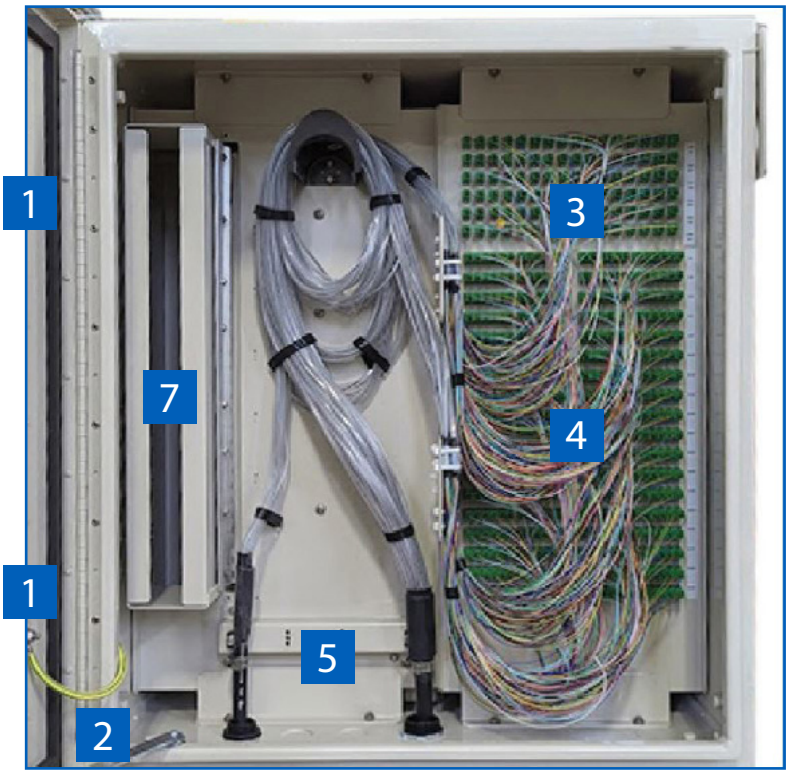
®2026 Charles Industries, LLC • All Rights Reserved • Specifications Subject to Change

OHC2-432 Optical Hub Cabinet

OHC2-432 SPLITTER COMPARTMENT



OHC2-432 CABLE 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

®2026 Charles Industries, LLC • All Rights Reserved • Specifications Subject to Change

OHC2-432 Optical Hub Cabinet

PART NUMBER CONFIGURATION

OHC2-432 [A] [B] [C] [D] [E] [F]

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

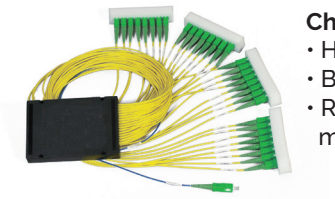
F. Connector to Stub Cable Length
C = 100'

** 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
97-PAD-288432	Poured Pad Template Kit for OHC-288/432/576

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

®2026 Charles Industries, LLC • All Rights Reserved • Specifications Subject to Change

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.*

VAULT MOUNTING OPTIONS

Ordering Number	Description	Tier Rating
P243624YBGTHXXX 97-P24SPLCVRHD	24"x36"x24" HDPE vault split cover and opening for mounting CFITH-144/OHC288/432/576, black base, dark green cover OHC Hardware Kit, for P243624Y Split Cover & 6, Incls Bracket w-Mounting hardware, 5 Toggle bolts and nuts	Light Duty
CPAD-BL3048CI43	53"x53"x36" Composite Combo Pad with 30"x24" split covers for Charles OHC-288/432/576 w/4 rack	8
C304836HEETHXFO 97-TOGBOLT5-A	30"x48"x36" True Pad Tier 15 with 30"x24" split covers for Charles OHC-288/432/576 w/4 rack rails OHC Mounting Hardware for C304836 (Bolts & Toggle)	15
TPAD-BL3048CI43	53"x53"x36" Composite Pad with 30"x24" split covers for Charles OHC-288/432/576 w/4 rack	15
W304836PEETHXXX 97-W30SPLCVTHV	30"x48"x36" Reinforce Thermoplastic Vault with Split Cover OHC Mounting Hardware for W304836 (Bolts & Toggle)	22

Charles Industries, LLC
An Amphenol Company
1450 American Lane, 20th Floor, Schaumburg, IL 60173
mktserv@charlesindustries.com
(847) 806-6300

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

®2026 Charles Industries, LLC • All Rights Reserved • Specifications Subject to Change