

Charles Multi-Purpose Housings (CMPH) 7500 Series

A proven, versatile enclosure designed to environmentally protect copper, fiber and CATV equipment

The Charles Multi-Purpose Housing (CMPH) 7500 Series is widely deployed across wireline and wireless service providers, cable television operators and utility companies. The enclosure is designed for new provisioning installations as well as rehabilitation of existing access enclosures. The CMPH's superior structural strength, outstanding environmental protection and ease of installation combine to create a long-life housing that reduces operational expenses.

The CMPH 7500 has proven itself as a versatile workhorse within the CMPH enclosure family, deployed in a wide variety of applications and customer networks.



Applications

- Copper splice locations
- Storage of fiber splice closures and fiber cable slack
- Hybrid copper and fiber configuration with integrated fiber terminations and fiber splicing
- Wireless cellsite terminations
- Distributed copper cross-connect
- Cable television amplifier, passives and optical node enclosure
- Retrofits and upgrades to replace failing metallic enclosures

As a copper splice or fiber splice enclosure, the CMPH 7500 can be a better option than a handhole, providing a dry location protected by the "bell-jar" effect of the dome. Versus underground splice storage's potential of water fill and freezing, the CMPH 7500 provides flood-proof protection and dry operation above the ground line.

In cell site applications, the CMPH 7500 enclosure is ideal for installation either inside or outside the tower's fence line, without the need to construct a concrete pad. The enclosure can be configured with one, two or three independent two-sided fiber backboards with integrated connectorized bulkheads and fusion splice storage trays. This multi-backboard enclosure design allows the backhaul service provider to partition fiber access to multiple cellular providers from a single enclosure, with each end user having secure access to only their fiber connections.



CMPH-7500N Copper Configuration



CMPH-750FN Fiber Configuration

**MADE IN THE
USA**

Charles

Specialty Applications



CMPH-7500
Copper Cross-Connect
Configuration
(900 Pair shown)



CMPH-7500
Cell-Site Configuration
(Wireless Backhaul to
Multiple Service Providers)



CMPH-7500
Vented Lid Option for
Housing Weather-Hardened
Active Electronics



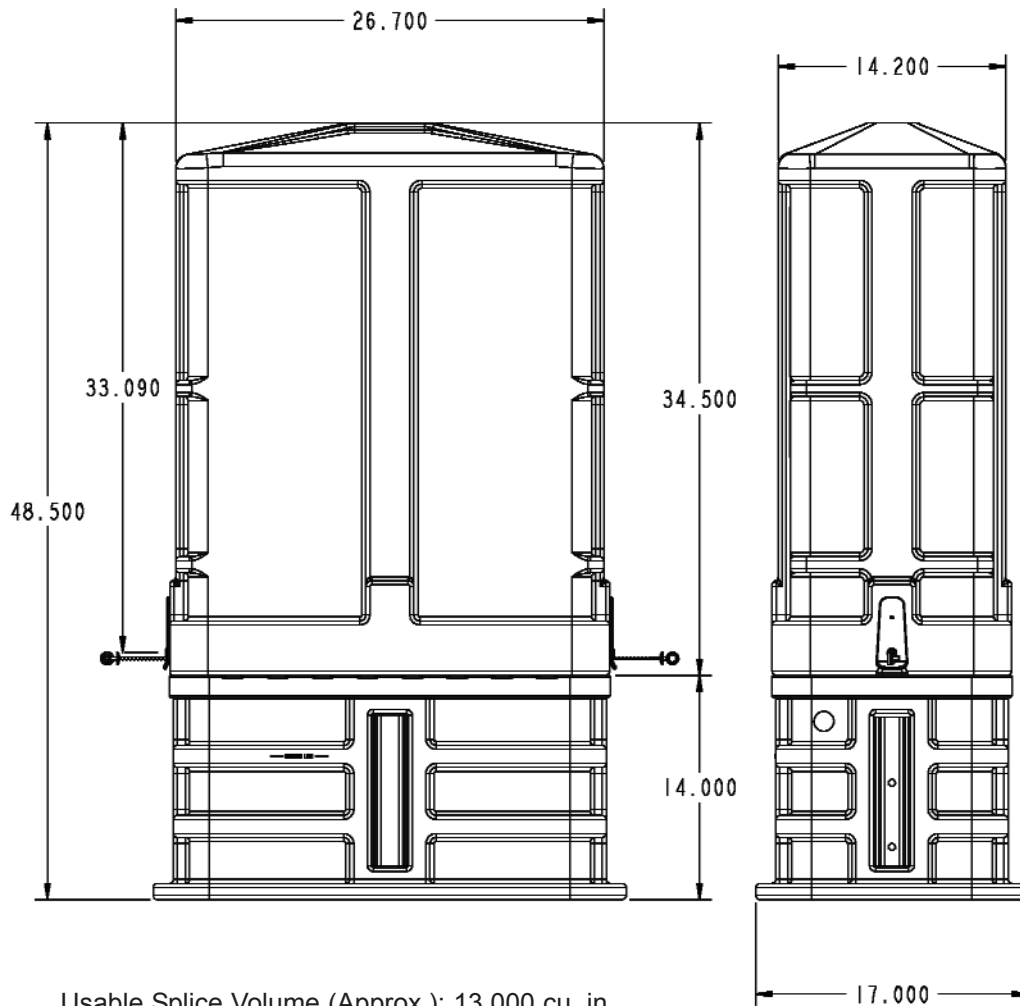
CMPH-7500
Copper / Fiber Co-Location
Configuration



CMPH-7500 Vault-Lid Mounting
(Requires Optional Hardware Mounting Kit,
Copper or Fiber Cable Slack Storage)

Product Features

- Lift-off dome - Enables 360 degree access to internal working areas.
- Dual 7/16" hex-head stainless steel locks - Provide security while allowing access via standard 216-tool or can wrench. Optional padlock hasp for added access control.
- "Bell Jar" flood protection - The enclosure's dome keeps splices dry by creating an air pocket, as well as, eliminating intrusion of wind-blown rain and dust, and prevents unauthorized entry.
- Ample base size - The base provides ample room to bring in multiple cables and conduits for maximum user flexibility.
- Sturdy non-metallic construction - Offers superior dent resistance, corrosion protection, and electric shock safety.
- Repositionable bonding and grounding bar - Offers flexibility for user equipment installation.
- Vault mount option - Allows additional space for fiber cable or splice closure storage.
- Flame resistant option - Provides an additional level of protection against brush fires (GR-13 / RUS).
- Vented dome option - Allows weather-hardened active devices to be housed within the enclosure.



Ordering Information

Description	Charles Part #
Copper Configurations (splice bars)	
No mounting stakes	CMPH-7500N
Two (2) 30" universal mounting stakes included	CMPH-7510N
Two (2) 36" universal mounting stakes included	CMPH-7520N
Two (2) 42" universal mounting stakes included	CMPH-7530N
Fiber Configurations (offset fiber brackets)	
No mounting stakes	CMPH-750FN
Two (2) 30" universal mounting stakes included	CMPH-751FN
Two (2) 36" universal mounting stakes included	CMPH-752FN
Two (2) 42" universal mounting stakes included	CMPH-753FN
Copper Cross-Connect Configurations	
300 pair cross-connect, padlock hasp	CMPH-7503CC
600 pair cross-connect, padlock hasp	CMPH-7506CC
900 pair cross-connect, padlock hasp	CMPH-7509CC
1200 pair cross-connect, padlock hasp	CMPH-7512CC
Copper / Fiber Configurations	
Use <i>CMPH Copper / Fiber Enclosures Ordering Guide</i> ¹	CMPH7XXXXXXXXX
Cell Site Configurations	
Contact your Charles Industries' account manager, sales representative company or an authorized distributor for assistance with configuration options.	CMPH7XXXXXXXXX
CMPH-7500 Accessories	
Vault mount kit, four metal brackets and hardware ²	CMPH GLBNRKT
6-point ground bar (package of 10)	CMPH-BOND10
Mounting bracket kit for 12-pair or 25-pair terminal block	CKPL-99
30" universal mounting stake (minimum order of 10 pcs.)	UMS30-STD
36" universal mounting stake (minimum order of 10 pcs.)	UMS36-STD
42" universal mounting stake (minimum order of 10 pcs.)	UMS42-STD
Fiber optic bracket kit, offset, one bracket with hardware	CMPH-FOBRK
Splice bar, copper (package of 10)	CMPH-SPBAR10

¹ CMPH Copper/Fiber Enclosures Ordering Guide is available on the Charles website at:
http://www.charlesindustries.com/main/CMPH_Copper_Fiber_Ordering_Guide.pdf

² Vaults and custom fit vault covers are ordered directly from 3rd-party vault manufacturers.



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