



Amphenol Charles Industries Wireless Solutions

Amphenol Charles Industries offers a wide range of enclosure solutions designed for all types of wireless applications, including backhaul, in-building, edge computing, EV charging, macro site, small cell, DAS, venue, and site support. We are uniquely positioned to help carriers succeed in the rollout and support of their wireless investment. Charles CUBE enclosures, concealment shrouds/poles, fiber optic solutions, and composite pad mounting platforms have become integral elements of today's wireless networks, providing field-proven environmental protection.



Charles Universal Broadband Enclosures (CUBE)

CUBE Site Support and Battery Cabinets



- Supports VRLA or Ni-Cd batteries
- Various rectifier, power distribution and thermal options
- Telcordia GR-487

Site Support Cabinet



Battery Cabinet



Modular Cabinets



- 1-4 bays
- Field expandable
- Front and rear door access
- Pad-mounted at macro or remote sites



Walk-In Cabinet (WIC)



- 10'X10'X10' or 10'X16'10' weatherproof structure
- Closed loop thermal solution requires no maintenance
- Accommodates up to six equipment racks
- Up to six racks per 10' sections



Pad Mount Equipment Cabinets



- Ample room for 16-44RU designs
- Wide range of thermal management options
- Telcordia GR-487
- NEMA 4X or 3R standards



CUBE ID Series



- 18RU, 36RU, and 48RU sizes
- Passive or direct air cooled
- 19" or 23" rack mount support
- Front and rear access doors



RL Wall/Pole Mount Cabinets CUBE RL Series



- Available up to 20 RU enclosures
- Superior environmental protection from the elements
- Compact enclosure can be flexibly mounted in small spaces
- Various thermal management options, AC and DC powering options, isolated battery chambers options



Buried Plant Solutions (Below Enclosures and Vaults)

Charles Composite Pads (CPAD)



- Economical alternatives for concrete pads
- Advanced composite material
- Lightweight and easy to install



Below Grade Enclosures



- Charles Below Grade Enclosures (CBGE)
- 8 tapered and 2 round sizes
 - Rated for light-duty traffic placement
- Tier Rated Underground Enclosures (TRUE)
- Proprietary advanced composite material
 - Stacked to reduce shipping cost
 - Exceeds ANSI/SCTE Tier 15 or 23 Load Rating specifications



Concealment Shrouds



- Aesthetically pleasing concealment placed at small cell, densification, and DAS remote sites
- Pole top, pole side and pole adjacent mounting options
- Telcordia GR-487 certified
- Multiple colors available



Fiber Optic Dome Closures (FODC)



- 144, 288, or 576 splice sizes
- IP68 rated for below grade use



Charles Indoor Battery Racks (CIBR)



- Designed to fit footprint of Ni-Cd or VRLA batteries
- Seismic Zone 4 rated
- GR-487 certified

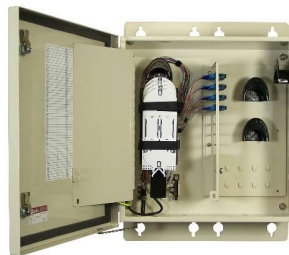
CIBR-M



CIBR-R



Fiber Interconnect Terminals (CFIT/CFSTE)



- CFIT serves up to 96 subscribers
- Splice tray basket (standard or hinged) available on feed and/or drop side
- CFSTE comes standard with 24 LC/UPC adapter ports
- Integrated fiber management



CFIT



CFSTE



OptiTip Interface Small Cell Fiber Terminals



- Wall or pole mounted
- Compact metal and polycarbonate fiber terminals support Corning OptiTip multifiber hardened connectors
- Fanout cable assemblies are factory installed to lower installation time



CFRS Fiber Rack Solutions



- Flexible, multi-functional panels for patch, splice and splitter requirements
- Front or rear door access, or TFA models



Wireless Accessories

Amphenol Multiport Terminal (AMT)



- AMT & Mini Amt – multi port terminals – 4, 6, 8, 12 port
- Distributed Split – plug and play



Antennas



- Base Station Antennas - panels/omni directional
- Mobile Antenna for utility trucks
- Portable Antennas – hand portable & body-worn
- Combiners



Drop Cables



- Flat or Round Drop Fiber
- Toneable or Non Dielectric
- SC/APC or H-Connector



Cables



- RF Coax Cable and adaptors
- Hybrid Cable – fiber and power cables in single sheath
- Fiber/Power as individual cable trunks

RF Coax Cable



Hybrid Cable



About Amphenol Charles Industries

Founded in 1968, Amphenol Charles Industries is a manufacturing and technology company based in Schaumburg, Illinois, with North American manufacturing centers in the US and Mexico. Charles provides a comprehensive line of active, passive, metallic and non-metallic environmental enclosure solutions for communications and power distribution applications serving the wireless, telecommunications, broadband cable, utility, EV charging, and edge compute markets worldwide.

Amphenol Corporation, a world leader in antenna, optics, and interconnect solutions with more than 100,000 employees serving 70 countries worldwide, acquired Charles in April 2019. Today, Charles operates as an Amphenol Company, leveraging Amphenol's global resources and innovative technologies to create new, bundled solutions for customers.

- Cabinet & Enclosures
- Concealment & Pole Solutions
- Pedestals & Housings
- Splice Closures & Terminals
- Fiber Optic Solutions
- Below Grade Enclosures
- NID Boxes
- Accessories



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



Charles Industries, LLC
An Amphenol Company
1450 American Lane, 20th Floor
Schaumburg, IL 60173-5492 USA

P: (847) 806-6300 | Fax: (847) 806-6231
E: mktserv@charlesindustries.com
www.charlesindustries.com
Follow us on Socials:   