

INNOVATIVE ENCLOSED SOLUTIONS™

Telecom/Wireless/Broadband Cable/Utility Product Line Card for Charles Industries, Ltd.



FIBER DISTRIBUTION PEDESTALS

- Standards-based fiber splice point pedestals designed to exceed GR-771 environmental protection standards
- Accommodate loop-through or stub-out distribution cables, ribbon or loose buffer tube, and branch or drop splices
- Optional bulkheads available for pre-connectorized drops



FIBER INTERCONNECTS

- Provide pre-connectorized "interconnect panel" fiber drops to multiple broadband service customers at a fraction of the cost of Light Guide Cross-Connect (LGX) solutions
- Pedestal and cabinet designs



FIBER CROSS-CONNECTS

- Economical alternative to placing fiber distribution cabinets at local convergence points
- Provide a convenient interconnect and testing point between the feeder network and the distribution field



FIBER FLEXIBILITY PEDESTALS

- Scalable, low cost alternative to placing centralized split points (fiber distribution hubs) in the outside plant
- One splitter module fits all CFFP sizes
- Patch & splice option is available for small hub applications



FIBER BUILDING TERMINALS & HUBS

- MDU-ready indoor and outdoor enclosures for fusion, pre-terminated or field terminated fiber demarcation
- Hub cabinets for 1x8, 1x16 and 1x32 splitters
- Building Terminals for 24, 48, 96, 144 or 288 subscriber ports
- CFIT-Flex non-metallic universal enclosures



BELOW GRADE ENCLOSURES

- CBGE Series includes 8 sizes of molded polyethylene handholes and round enclosures for light-duty (parkway/greenbelt) applications
- TRUE Series includes 3 sizes of advanced composite material handholes meeting medium-duty ANSI Tier 15 & 22 load ratings



COPPER DISTRIBUTION PEDESTALS

- Durable PVC construction won't rust, dent, warp, chip, peel or corrode (GR-13-CORE compliant)
- 360° access to internal areas and generous splicing capacity
- Outstanding flood, fire and impact protection
- Many backboard, bracket and base options are available



MULTI-PURPOSE OSP HOUSINGS

- Protect copper cable and fiber access points from floods, fire, pests, and wind-blown dirt and debris
- Ideal for rehabilitation of metallic closures without service disruption
- Multiple sizes and configurations for copper and fiber storage



FIBER RACK & WALL SOLUTIONS

- Compact indoor/outdoor fiber distribution solutions neatly organize and manage patch, splice and splitter requirements
- 1RU, 2RU and 4RU CFRS rack solutions provide up to 144 ports
- Standard LGX footprint patch plates support APC and UPC adapters



FIBER SPLICE TRAYS & ACCESSORIES

- Charles 4"x6" and 4"x9" are specifically designed for butt-end splices in pedestal and cabinet enclosures
- Available fiber accessories include splitter trays, CWDM, optical taps bulkhead adapters, attenuators, fan-outs, jumpers, and pigtails



UNIVERSAL BROADBAND ENCLOSURES

- Customizable indoor and outdoor metal cabinets available for housing a wide range of optical and electronic equipment
- Fully integrated, pre-wired enclosures
- Compact, low-profile designs save space and ease installation
- AC and DC powering options with optional battery backup
- Thermal management options including air conditioners, cooling fans, heat exchangers and direct air cooling



SITE SUPPORT & BBU ENCLOSURES

- Zone 4 seismic rated battery backup cabinets ideally suited for cell sites and other outdoor environments when a large amount of battery backup time is required
- Optional sealed chambers for power systems available
- Custom site support cabinet solutions available



CPAD COMPOSITE MOUNTING PADS

- Lightweight, rigid buried mounting pads provide level mounting platform and cable slack storage for cabinet placements
- Economical alternative to poured-in-place or pre-cast concrete pads
- One-piece or modular solutions available



CONCEALMENT SHROUDS

- Aesthetically-pleasing concealment of radios at small cell, densification, and DAS remote sites
- Pole mount and ground mount options
- Powder-coated finishes available in multiple colors



INDOOR BATTERY RACKS

- Modular, seismic Zone 4 rated (GR-487 certified) battery rack systems designed for Saft Tel.X Ni-Cd batteries
- Flexible, modular designs for placement at rooftops, COWs/COLTs, small shelters or sites with limited access



FIBER SPLICE ENCLOSURES

- Metallic enclosure solutions for housing copper splices (6,000-10,000 pairs) or sealed fiber splice enclosures with cable slack
- Constructed of powder-coated aluminum for long service life
- Pad mount or direct-buried installation; front and rear access doors



RISER PIPES & WIRE GUARDS

- UV stabilized, thinwall PVC construction is lightweight, easy to handle, and allows pipes and guards to be cut to size on site
- Protect fiber, copper, coaxial and hybrid buried service wire installations from wind, snagging and vandalism
- 0.875" and 1.25" outside diameters available with or without offsets



UTILITY RISER & GUY WIRE GUARDS

- Riser protection and organization for overhead to underground utility and communications vertical pole lines
- Polyethylene construction is lightweight and easily cut to size
- Boots, couplers, adapters, back plates, and end caps available
- Guy wire markers and premises wire guards also available



CATV/BROADBAND ENCLOSURES

- Non-metallic polyethylene construction with a variety of bracket options for mounting taps, splitters, line extenders, amplifiers, fiber optic nodes and other equipment
- Vented and non-vented models available
- Low-profile expanded-capacity models available



POWER DISTRIBUTION PEDESTALS

- Non-Metallic secondary power distribution pedestals set the industry standard for safety and performance
- Superior dielectric strength and high volume resistivity
- Two-piece split base design



INNOVATIVE ENCLOSED SOLUTIONS™

Charles Industries, Ltd. • (847) 806-6300 • www.charlesindustries.com

Charles Universal Broadband Enclosures (CUBE)

Charles CUBE cabinets are designed for use in a wide range of applications, including:



- Backhaul
- Wireless
 - Microwave Radio
 - Ethernet First Mile (EFM)
 - FTTN

- Small Cell / DAS
Site Support / BBU
Macro Site Equipment
Enclosure Consolidation
Remote Equipment Deployments
Adjunct to Preexisting, Space-Exhausted Cabinet Installations

COMPACT AND CUSTOMIZABLE CABINET SOLUTIONS FOR REMOTE DEPLOYMENTS

Charles Universal Broadband Enclosures (CUBE) bring a new level of compactness to full-featured Fiber Optic and Copper Remote Terminals. Their small size and light weight allow technicians to install these terminals in virtually any location quickly and easily, including MDUs, cell sites, utility poles, telecom equipment rooms, and other remote deployments.



Designed to house a variety of communications equipment, CUBE are pre-wired to meet your power, protection and physical interface requirements. Many customizable sizes, powering options and design features provide the flexibility to meet your every backhaul application.

The models shown here represent but a portion of our CUBE cabinet configurations. For additional models and options, please visit www.charlesindustries.com or call 847-806-6300 to discuss your specific applications and cabinet needs. Charles provides full engineering support and application consultation for its CUBE family of enclosures, and will work with you to create the most reliable and cost-efficient solution uniquely tailored to your network.



New! Concealment Shrouds for Small Cell and DAS



Charles Industries radio concealment shrouds offer aesthetically-pleasing concealment of radios at small cell, densification, and DAS remote sites. Both pole and ground mount shrouds are designed to conceal and protect high value radio assets while paving the way to municipal approval. Various shroud solutions have been created to address different radio and deployment options. Powder-coated finishes are available in multiple colors to match local surroundings. The SHRD60 series is curved to enhance the aesthetic look and feel of the solution. All solutions are subjected to extensive thermal analysis to ensure appropriate operating temperatures are maintained for the enclosed RAN equipment.

Please visit www.charlesindustries.com for product specifications and ordering information.

Established in 1968, Charles Industries, Ltd. is an ISO 9001 / TL 9000 Registered Company. All products are manufactured with pride in the USA.

