



## Braided cable and connectors

CNT solutions. Connecting new technologies.

# Get wired for what's next

Braided cable technology has turned the corner with CNT<sup>®</sup> Solutions. A vital part of CommScope's Andrew<sup>®</sup> wireless portfolio, CNT is one of the most complete, cost-effective, high-performance, 50-ohm braided cable and connector solutions in the world—bridging the gap between today's applications and tomorrow's technologies.

Wherever you need a super-flexible, low-loss RF cable solution, CNT is the answer. CNT cables and connectors cover every twist and turn along the entire RF footprint, helping you prevail against the most challenging installations. And, when it comes to the latest technologies—whether it's LTE, 4G or WiMAX—CNT ensures you have the right solution.

**Backed by CommScope's extensive wireless experience, you'll be well prepared for what the future holds.**

## Expect more from your wireless connectivity

For more than 75 years, CommScope has successfully supported the telecommunications and wireless industries with high-quality antennas, feeder cable, accessories and cable assemblies at competitive prices. Our global manufacturing and distribution infrastructure enables us to swiftly deliver CNT Solutions anywhere. CNT products are available factory-direct and via our extensive distribution network—making it easy for you to get what you need, on your schedule.

## Exceptional service, support and training

We keep you one step ahead of your projects by working closely with our distribution partners to provide sales, technical support and product support.

CommScope's world-class training capabilities help improve system performance and reduce installation costs. Through the CommScope Infrastructure Academy, our customers and partners can access online training and certification opportunities. To answer your technical questions, we also offer direct access to our wealth of engineering expertise.



## CNT Solutions offer many advantages:

- Global manufacturing and distribution
- Customization for special applications
- A single source for all your product needs
- Flexibility and ease of installation
- Universal compatibility
- Competitive pricing

For more information, visit [www.commscopetraining.com](http://www.commscopetraining.com)

# Engineered for real-world challenges

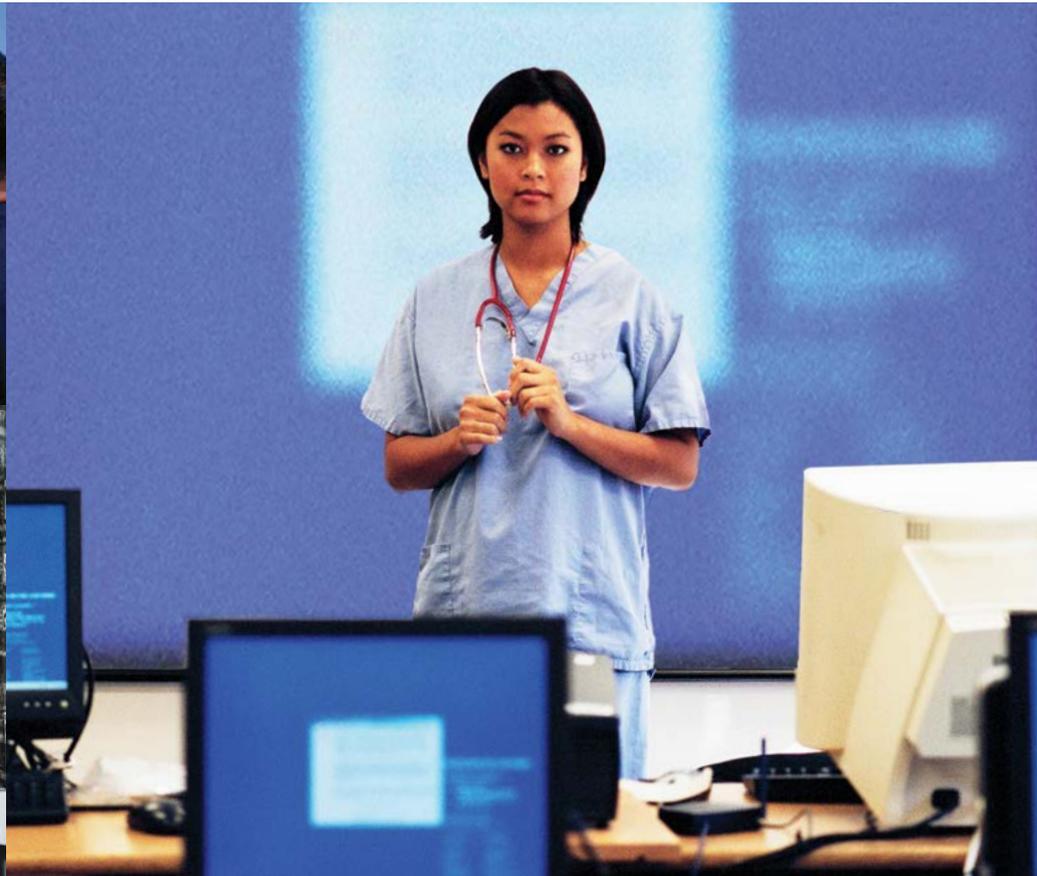
CNT is designed to meet real-world challenges—anywhere you need a robust, low-loss braided cable solution. This super-flexible cable performs reliably in every situation. CNT cables feature industry-standard PIM ratings and are available in a wide array of sizes and lengths to accommodate indoor, outdoor, direct burial, fire-rated and plenum applications.

CNT is a complete solution for cabinets, towers and pole feeder runs. It's also ideal for both indoor and outdoor microwave backhaul system unit connections. In-building capabilities include solutions for riser runs and air-handling plenums. Rely on CNT for internal component and equipment wiring, rooftop installations, base stations and antenna jumpers. The possibilities are nearly limitless.

## Connecting new technologies

CNT Solutions cover the entire RF footprint for applications and technologies that connect the world:

- Microwave backhaul
- E-9-1-1
- In-building
- Government
- Medical
- In-cabinet
- Distributed antenna systems
- Two-way land mobile
- Mobile and satellite antennas
- ITS/Vehicle-to-vehicle communications
- Wi-Fi/WiMAX/LTE/4G
- Broadband
- Unlicensed band



# When the bottom line is performance

## Designed to flex

Installations with a tight bend radius call for exceptional flexibility—exactly what CNT offers. Designed to flex and endure, CNT stays strong and reliable through every installation, twist and turn.

## Engineered for low loss

CNT Solutions are essential for any emerging network application that requires low signal loss. Proven braiding technology helps ensure lower attenuation at every frequency. Even when flexed into the tightest bend radius for an extended time, CNT cable minimizes loss to maximize intermodulation performance.

## Built to perform

CNT braided cables are constructed from the highest quality copper, aluminum and polyethylene materials for superb electrical and mechanical performance. They satisfy indoor or outdoor applications with robust outer jackets to protect against abrasion and environmental damage. CNT Solutions offer an ideal balance of performance, flexibility and economy. Simply put, CNT cables are built to perform.



## CNT cable ratings:

- Standard: General-purpose use
- Fire retardant: Anywhere fire safety is critical, such as in-building vertical risers
- Plenum: In-building air handling plenums and difficult installation areas
- Riser: In-building between floors and other non-plenum vertical applications
- Direct burial: Exterior rated/underground feeder applications
- (CNT-400 only)

## CNT standard part numbers:

- CNT-195
- CNT-240
- CNT-300
- CNT-400
- CNT-600

# A universal fit



The quality is in the connection. CNT cables are universally compatible with all industry standard connectors, tools and installation accessories.

## Connectors and adapters

CommScope offers a broad array of connectors and adapters that provide exceptional electrical, mechanical and environmental performance. Offering simplified attachment, our weatherproof connectors ensure a fast, reliable fit with interface options for all industry standard cables. Installation requires no electrical power or specialized tools. Diverse attachment options and styles make CNT connectors a convenient option. Our CS8 non-solder contact “crimp-type” connectors have an IP 68 waterproof rating that’s unique in the industry.

## Installation accessories

CommScope supplies a full line of tower site installation hardware and accessories to ensure hassle-free deployments from antenna to equipment.

- Cable entry boot
- Cable stripping tool
- Cable ties
- Crimping tool
- Entry ports and accessories
- Grounding kits
- Grounding kit jacket tool
- Hangers
- Hoisting grips
- Mounting hardware
- Weatherproofing
- Tie wraps

## Cable assemblies

CommScope manufactures high-quality, high-performance cable assemblies that are affordable, flexible and reliable—the kind of solution demanded by modern communications systems. CNT cable assemblies for outdoor use are 100 percent weatherproof, require no field fitting and install quickly. We offer fire-retardant and phase-stabilized indoor assemblies with connector options enabling fast attachment.

CommScope also offers customized assemblies for in-cabinet, indoor and outdoor applications. These solutions complement our flexible CNT cable applications, especially in hard-to-reach areas where tight cable bends are required. With excellent intermodulation performance, CNT assemblies can be customized for virtually any application.



# Driving new technology deployments



As the market swiftly adapts to newer technologies, boosting throughput and capacity to drive newer applications such as VoIP and smartphone browsing is increasingly critical. Designed for fast, cost-effective technology deployments, agile CNT Solutions help you leap into next-generation technology.

In addition to enabling wireless installers and microwave backhaul providers, CNT Solutions also support E-9-1-1, in-building, in-cabinet, medical and government communications applications.

## An easy way to add instant value

CNT Solutions expand the value of your CommScope purchase—whether that purchase is a microwave antenna, an in-building solution or a HELIAX® product. It's all part of our commitment to provide holistic, real-world solutions.

In microwave backhaul systems, use CNT cabling to connect the outdoor unit at the back of the antenna to the controller unit at the tower base. CommScope is also your one-stop shop for backhaul system components like CNT cabling, antennas, waveguides, clamps, grounding kits, couplers and accessories.

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For in-building applications, use CNT cabling in passive distributed antenna systems (DAS) to connect remote units to splitters and antennas. CNT assemblies are ideal for conduits and elevator shafts where space is limited. CommScope also offers complete in-building solutions featuring CNT and HELIAX® cabling, repeaters, in-building fiber DAS, fiber cable, assemblies, splitters, couplers, hybrid combiners, adapters, loads, clamps and accessories.

## CommScope: There for you at every turn

Whether you are a large equipment manufacturer, communications operator or small wireless installer, CommScope offers comprehensive, versatile CNT Solutions that bring everything together, connecting today's technology to support tomorrow's applications.

Everyone communicates. It's the essence of the human experience. *How* we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion. Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth, expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers—we provide the essential expertise and vital infrastructure your business needs to succeed. The world's most advanced networks rely on CommScope connectivity.



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