

Cables for  
Wireless  
Solutions



# Everything Wireless



**H**ave you ever been frustrated by a drop in cell phone signal as soon as you enter a building? Have you tried to go online while at a sporting event only to watch your phone struggle to find and keep a viable signal? Where building structures, environmental conditions or the number of users pose a challenge to cellular service or to a local wireless network, a Distributed Antenna System (DAS) can be deployed. A DAS is an onsite customizable antenna system that enables the extension of a multitude of technologies, including 4G LTE high-speed data, to all the desired users. Stadiums, campuses, large manufacturing facilities or high-rise buildings can benefit from a DAS. DAS allows the owner to meet user expectations by populating areas with sufficient antennas to accommodate the number of anticipated users. As more and more devices go wireless, the importance of the cable infrastructure supporting those wireless networks grows as well. And, DAS is just one of a growing list of wireless applications.

Hitachi Cable America (HCA) manufactures fiber optic cables, coaxial cables, shielded and unshielded twisted pair cables and hybrid cables to support wireless applications, such as DAS and Fiber to the Antenna (FTTA). Infrastructure for wireless technologies is currently experiencing exponential growth due to the dramatic increase in the use of wireless devices. As the Internet of Things (IoT) evolves and more and more devices become wirelessly networked, the demand and dependence on that wireless network grows. Additionally, many of the components of a wireless network also derive their power from their low-voltage link to the network. As a result, Power over Ethernet is growing in step with the spread of wireless networks. Hitachi Cable America currently offers a wide selection of cables to support the growing variety of wireless solutions now available. If you are considering developing or expanding wireless capabilities, HCA has the cable for your specific needs.



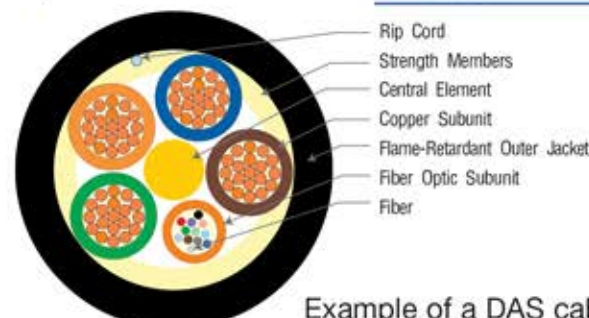
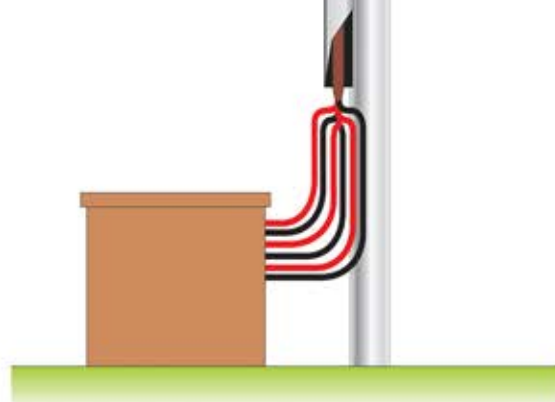
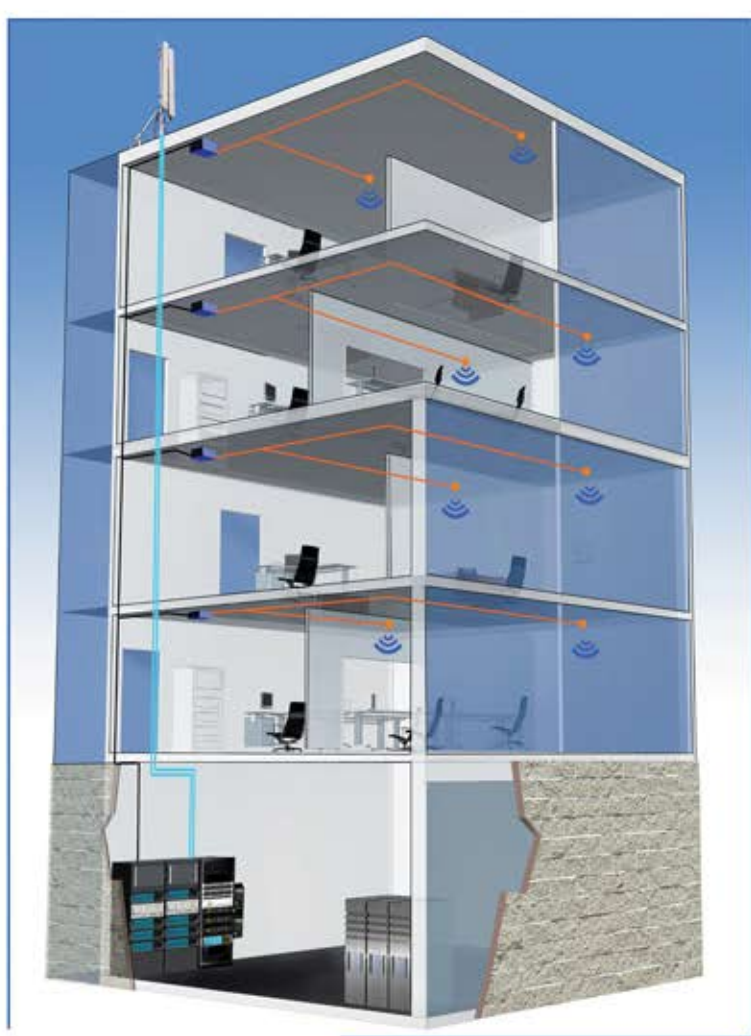
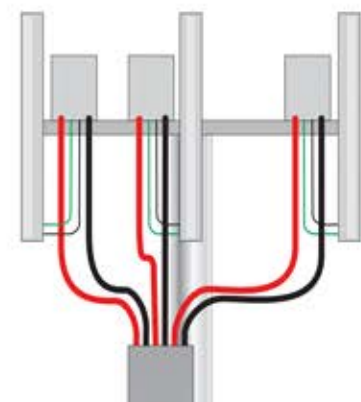
Benefits directly attributable to implementing wireless solutions can include:

- Improved security for employees and customers
- Increased productivity
- Improved customer service

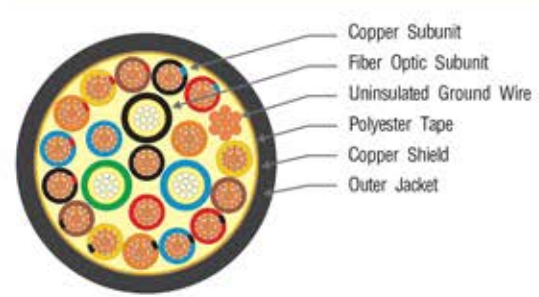
Hitachi Cable America manufactures rugged, high-performance cables for wireless solutions at its factory in Manchester, New Hampshire, USA.

Cable design options include:

- Rugged Cable Designs
  - Plenum, Riser, Indoor/Outdoor, Outdoor, Harsh Environment designs
  - Sunlight & Oil Resistant designs
- Outdoor-rated constructions
- Copper and Fiber hybrid cables (Singlemode & Multimode)
- UL Listed designs including:
  - Tray Cable (TC-ER, TC-ER-OF), FT4, FT6



Example of a DAS cable.



Example of a FTTA cable.



Hitachi Cable America wireless solution cables are manufactured at our modern 300,000 square-foot facility in Manchester, New Hampshire, USA.

Our DAS and FTTA cables are designed to be extremely robust and deliver reliable performance in a variety of environments. And, with design, engineering and manufacturing all under one roof, we can easily respond to requests for custom cables. If you have a cable need, Hitachi Cable America can help.


#### **Other Products from Hitachi Cable America:**

Shielded & Unshielded Category 5e, 6 & 6A Cables  
Category 7 & 7A Cables  
Fiber Optic Cables  
NanoCore™ Fiber Optic Cables  
Industrial Ethernet Cables  
Coaxial & Mini-coaxial Cables  
Indoor, Indoor/Outdoor, Outdoor Cables  
Armored Cables  
Round & Ribbon Electronic Cables  
Harsh Environments Cables  
Specialty Cables



# **HITACHI**

**Inspire the Next**

 **Hitachi Cable America Inc.**

900 Holt Avenue, Manchester, New Hampshire 03109 USA  
Tel: +1-603-669-4347 Fax +1-603-669-9621  
[www.hca.hitachi-cable.com](http://www.hca.hitachi-cable.com)