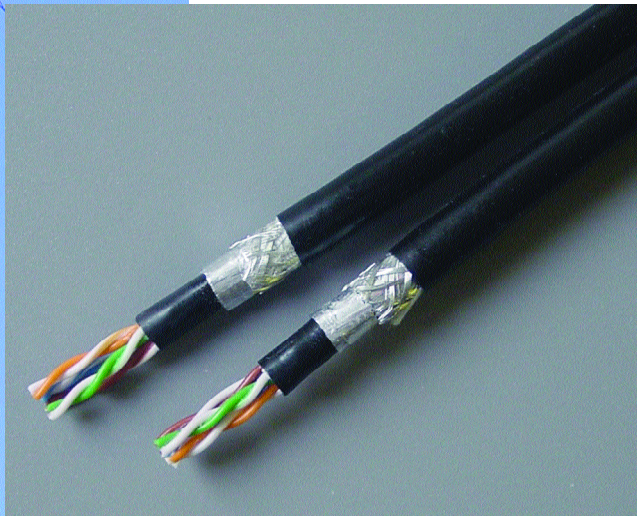


## Cellular Tower Cables

Category 5E+ P/N M58463



excellent EMI and RFI immunity in a tower environment where there may be interference from other services located on the same tower now or in the future. The foil/braid shield is easy to terminate since the braid can be either crimped to a ground wire or clamped to the enclosure. Alternately, the drain may be grounded.

### Gel-Filled and Fully Water-Blocked Design

This prevents water migration through the cable into sensitive electronics enclosures. The gel-filling prevents conductor corrosion and the polyethylene outer jacket is water-resistant and UV stabilized. Solid bare copper conductors are insulated with polyethylene and are color-coded following the standard TIA/EIA color scheme.

Supported applications include IEEE 802.3 10Base-T (Ethernet), 100Base-T (Fast Ethernet), and 1000Base-T (Gigabit Ethernet), ANSI.X3.263 FDDI TP-PMD, IEEE 802.5 4 and 16 Mbps Token Ring, ATM up to 155 Mbps, 550 MHz Broadband Video and Standards under development such as ATM at 622 Mbps & 1.2 Gbps. The cable meets applicable TIA/EIA Category grades.

Category 5E+ conductors should be terminated with 110 style Category rated jacks, and the link completed with short Category rated patch cables. Please note Standard RJ-45 Plugs may not fit the Category 5E+ insulated conductors. If this method or terminator is desired, please consult Mohawk for the proper plug to fit these cables.

For more information call 800-422-9961.

Mohawk's Cat 5E+ Cellular Tower Cables are an overall foil/braid shielded twisted pair cable with a drain wire intended for outdoor use. The compressed resilient design offers a flexible alternative to traditional armored cable customarily used for this application. The foil/braid shield is an excellent choice where interference from external radio frequency (RFI) or electromagnetic (EMI) sources is a concern.

In addition to cellular phone site connections, the cables are used for a wide array of services. These services include pagers, mobile radio, wireless data, personal communications service (PCS), broadband wireless internet access, weather collection equipment and other similar applications.

### Mohawk's Cellular Tower Cables Offer:

#### EMI & RFI Protection and Grounding

The combined 60% Braid Coverage and 100% Coverage Metallic Foil Tape offer



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## Frequently Asked Questions about Category 5E+ Cellular Tower Cables

### Why was it important to develop this product?

This cable provides a cellular tower product design that offers a flexible alternative to traditional armored cable customarily used for this application. Four pair cables are becoming a standard in communications technology. This product offers a reduced OD size compared to Coax, and the gel-filled and fully water-blocked design prevents water migration through the cable into sensitive electronics enclosures.

### What features & benefits/advantages does the product bring to the market?

Mohawk's Category 5E+ Cellular Tower Cables offer numerous options in addition to cellular phone site connection. These options include pagers, mobile radio, wireless data, personal communications service (PCS), broadband wireless internet access and weather collection equipment applications.

### What markets will this product serve?

Primary Markets include cellular/wireless providers.

Secondary Market includes municipal systems for fire and safety.

### What connectors are to be used?

Sentinel part number 111S08080028C34 and tool 90007.

For product literature or samples, contact Denise Markert at 978-728-5233 or [denise.markert@mohawk-cable.com](mailto:denise.markert@mohawk-cable.com).

For additional product information, please contact your Inside Sales Representative at 800-422-9961.

For technical support, contact Joe Barry at 978-728-5237 or [joe.barry@mohawk-cable.com](mailto:joe.barry@mohawk-cable.com).



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