



### Overview

Amphenol RF offers a full line of high-performance TNC cable assemblies on a variety of popular flexible cable types. These 50 ohm assemblies are available with plug to plug configurations in an extensive range of standard lengths from six inches to four meters. TNC cable assemblies are suitable for a number of applications including industrial connectivity and external antennas.

TNC cable assemblies utilize high-quality TNC connectors which feature a threaded coupling mechanism for secure mating and stable performance. These connectors are manufactured from brass with nickel plating and offer reliable electrical performance up to 11 GHz, or to the limits of the cable type.

### Features and Benefits

- Threaded coupling mechanism
- Various cable types for frequency and flexibility options
- Ruggedized and IP67 options available
- Standard lengths from 6 inches to 4 meters available

### Applications

- Antennas
- Industrial
- Military
- Wireless
- Broadband

**Amphenol RF**  
Four Old Newtown Road  
Danbury, CT 06810

For more information visit [www.amphenolrf.com](http://www.amphenolrf.com)  
or call 800.627.7100

### Ordering Information

#### TNC Plug to Plug Cables

Part Number	Cable Type
095-850-272XXXX	RG-174
095-850-273XXXX	RG-316
095-850-274XXXX	RG-58
095-850-276XXXX	RG-142
095-850-275XXXX	LMR-195

#### Ruggedized TNC Plug to Plug Cables

Part Number	Cable Type
095-850-220XXXX	LMR-200
095-850-226XXXX	LMR-400

Note: 'XXXX' denotes length code. See available lengths in chart below.

#### Standard Lengths Available

Length	Length in Inches (Millimeters)
-006	6.00 in (152.40 mm)
-010	10.00 in (254 mm)
-012	12.00 in (305 mm)
-024	24.00 in (610 mm)
-036	36.00 in (914.40 mm)
-048	48.00 in (1219.20 mm)
M050	19.69 in (500 mm)
M100	39.37 in (1000 mm)
M200	196.85 in (5000 mm)

Note: Lengths listed above are standard and may vary by specific configuration. See component drawing for available options.

# Amphenol® RF

## Technical Specifications

### Electrical

Impedance	50 Ω
Frequency Range	DC - 8 GHz

### Mechanical

Mating Cycles	500 Cycles Min.
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### Environmental

Temperature Range	-40° to 85°C
RoHS	Compliant with exemption 6C

### Materials

Body	Brass, Nickel Plated
Female Contact	Phosphor Bronze, Gold Plated
Male Contact	Brass, Gold Plated
Brass, Gold Plated	PTFE

*Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.*



### Did You Know?

Amphenol Ruggedized Connectors (ARC) are specifically designed to perform in harsh environments and to withstand the rigors of industrial applications. These sturdy products are machined from brass with durable nickel plated bodies and gold plated contacts for superior electrical performance. Many of these designs are IP67 sealed with adhesive lined heat shrink tube for added protection and cable connectors support most low-loss cable types.

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