



### 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. |
|---------------|-----------------|

### 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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