

Amphenol® RF Ruggedized BNC & TNC Cable Assemblies

IP67 50 Ohm Assemblies on RG-58 Cable



Overview

Amphenol RF offers a line of ruggedized and moisture-sealed BNC and TNC cable assemblies utilizing industry and military standard RG-58 flexible cable. These 50 ohm assemblies are available in-series as BNC and TNC plug-to-plug configurations with IP67 waterproof sealed connectors on both ends. Standard lengths are available from 6 inches to 100 feet and are suitable for a number of applications in industrial, military and commercial environments.

These cable assemblies are also available in armored versions for both the BNC and TNC interface. Flexible PVC conduit is used to wrap the length of the cable, providing an additional layer of protection for rough environments where the cable jacket may be subject to damage.

Features and Benefits

- BNC bayonet coupling mechanism provides quick mating and unmating
- TNC threaded coupling ensures stable performance
- IP67 sealed interfaces and cable terminations
- Standard lengths from 6 inches to 100 feet
- PVC armor cable options available

Applications

- Industrial environments
- External antenna connections
- Radar and GPS systems
- Mobile communication systems

Ordering Information

BNC to BNC Cable Assemblies

Part Number	Description
095-850-292XXXX	IP67 BNC Straight Plug to BNC Straight Plug, RG-58
095-850-293XXXX	IP67 BNC Straight Plug to BNC Straight Plug, PVC Armor, RG-58

TNC to TNC Cable Assemblies

Part Number	Description
095-850-294XXXX	IP67 TNC Straight Plug to TNC Straight Plug, RG-58
095-850-295XXXX	IP67 TNC Straight Plug to TNC Straight Plug, PVC Armor, RG-58

Note: 'XXXX' denotes length code. See component drawing for available lengths.

Standard Lengths Available

Length Code	Length in Inches (Millimeters)
-006	6.00 in (152.40 mm)
-012	12.00 in (304.80 mm)
-018	18.00 in (457.20 mm)
-024	24.00 in (610 mm)
-036	36.00 in (914.40 mm)
-048	48.00 in (1219.20 mm)
-060	60.00 in (1524 mm)
-072	72.00 in (1828.8 mm)
M025	9.84 in (250 mm)
M050	19.69 in (500 mm)
M075	29.53 in (750 mm)
M100	39.37 in (1000 mm)
M125	49.21 in (1250 mm)
M150	59.06 in (1500 mm)
M200	78.74 in (2000 mm)
M300	118.11 in (3000 mm)

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For more information visit www.amphenolrf.com
or call 800.627.7100

Technical Specifications

Electrical

	BNC	TNC
Impedance	50Ω	
Frequency Range	DC - 6 GHz	
Voltage Rating	500 Volts Peak	
Dielectric Withstanding Voltage	1500 VRMS Max	
Insulation Resistance	5000 MΩ Min	
Center Contact Resistance	1.5 mΩ Min	
Outer Contact Resistance	0.2 mΩ Min	

Environmental

Temperature Range	-40°C to +85°C	
RoHS Compliance	Compliant with Exemption 6C	

Mechanical

Mating Cycles	500 Min	
Coupling Mechanism	Bayonet	Threaded

Materials

Body	Brass/Zinc Die-cast	Brass
Contact	Brass	
Insulator	PTFE	

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

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