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TNC & Type N Cable Plugs & Jacks

To learn more about the **ARC** line of connectors

web: **arc.AmphenolRF.com** email: **arc@AmphenolRF.com**


Amphenol® RF

Global **RF** Solutions
www.AmphenolRF.com

Markets

Transportation, Military, Mining and Construction, Public Safety, Wireless, Smart Energy and Industrial Control

Product Description

Amphenol® RF's line of Rugged Connectors  are engineered for harsh conditions, without compromising their superior performance.

The line of connectors come in standard and reverse polarity. They are sealed IP67 in mated and unmated conditions and are RoHS compliant.

Technical Specifications

Configurations Available	
Connector types	TNC, Type N, Reverse polarity, Right Angle, Bulkhead, Plugs/Jacks
Cable types	LMR200 – LMR500 standard/ultraflex
Sheathing types	Nylon braid, Polyethylene braid, Corrugated tubing

Electrical	
Impedance	50 Ohm
Frequency Range	DC to 6GHz
Insulation Resistance	5,000 M Ω IN.
Contact Resistance	Center Contact: $\leq 1.5\text{m}\Omega$ Outer Contact: $\leq .2\text{m}\Omega$
Dielectric W/standing Volt.	1000 VRMS



Photo Shown: TNC Bulkhead Jack Cable Assembly



Photos shown: Left: Type N Straight Plug (Male), Center: TNC Right Angle Bulkhead Jack (Female) to RP-TNC Right Angle Plug (Male), Right: TNC Right Angle Jack (Female) on cable assembly

Materials	
Center Contact	Beryllium Copper or Brass
Body	Brass
Ferrule	Copper Alloy
Insulator	PTFE

Plating	
Center Contact	Gold (4 min) over high phosphorus electroless nickel (100 min)
Body	Nickel (100 min) over copper flash (20 min) per MIL-C-14550
Ferrule	Nickel (100 min) over copper flash (20 min) per MIL-C-14550

Environmental	
Temp. Range	-65°C to +165°C*
Thermal Shock	MIL-STD-202 method 107, cond. B
Vibration	MIL-STD-202 method 204, cond. B
Shock	MIL-STD-202 method 213, cond. G
Sealing	IEC 529, IP67

* With heat shrink temp range up to +85°C

Mechanical	
Durability (matings)	500 cycles Min

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