

Overview

Amphenol RF's field installable version of the popular Type-N connector provides the same high performance results as the rest of the product series, however, does not have the same costly installation requirements. The field installable Type-N connector can be terminated tool-free with no advanced skill set in a matter of seconds, saving both time and expense. This connector is ideal for a wide variety of applications including antennas, base stations, instrumentation and broadcast solutions.

The field installable Type-N connector is a reliable option for use in less than ideal circumstances. Installation and removal of these connectors can be performed tool-free with no soldering or crimping required, dramatically reducing termination time and eliminating hazardous fumes and safety concerns.

This 50 ohm connector operates at a frequency of DC to 6 GHz and is optimized for LMR® 400 cable. It is also an IP-67 rated sealed solution (once mating occurs) which allows it to maintain performance in harsh conditions and in the case of temporary submergence.

LMR® is a registered trademark of Times Microwave.

Features and Benefits

- Quick and secure assembly
- Tool-free termination
- No soldering or crimping required

Applications

- Antennas
- Base Stations
- Instrumentation
- Broadcast
- Radar systems
- Satellite systems
- Surge protection
- WLAN

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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



Ordering Information

Part Number	Description
082-6650	N-Type straight clamp plug for LMR-400



Amphenol® RF

Technical Specifications

Electrical

Impedance		50 Ω
Frequency range		DC - 6 GHz
Return Loss (VSWR)		-17dB (1.35:1) Max
Dielectric Withstanding Voltage		2500 VRMS
Insulation Resistance		5000 M Ω
Contact Resistance	Center Contact	1 m Ω
	Outer Contact	0.4 m Ω

Mechanical

Mating	Threaded
Mating Cycles	500 cycles min.
Mating Torque	6 in-lb (.68 Nm)

Environmental

Temperature range	-55°C to 155°C
Thermal Shock	US MIL-STD 202, Method 107, Condition B
Vibration	US MIL-STD 202, Method 204, Condition B
IP Rating	IP-67 After mating
RoHS	Compliant with exemption C

Materials

Body and Outer Contacts	Brass, white bronze plating
Contact	BeCu, gold plating
Clamp Nut	Brass, nickel plating
Insulator	PTFE
O Rings	Silicone rubber

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