

Right Angle N Male (Plug) Connector For LMR-600 Cable, Crimp/Non-Solder Contact



EZ-600-NMH-RA-X



Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-600
- 20.57 mm Hex

Features

- Operating Frequency of 8 GHz Max.
- Good VSWR of 1.4:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

RA type N Male Connector Crimp/Non-Solder Contact Attachment for LMR-600 Cable,, part number EZ-600-NMH-RA-X, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 8 GHz and offers good VSWR of 1.4:1. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA type N male connector EZ-600-NMH-RA-X datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.4:1	
Insertion Loss			0.28	dB
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes:
Insertion Loss = -0.1 x SQRT(FGHz)

Mechanical Specifications

Size

Length	2.36 in [59.94 mm]
Width	0.81 in [20.57 mm]
Height	1.42 in [36.07 mm]
Weight	0.244 lbs [110.68 g]
Mating Cycles	500 Cycles
Mating Torque	9 to 14 in-lbs [[1.02 to 1.58 Nm]]
Cable Retention Force	200 lbs [90.72 kg]

Right Angle N Male (Plug) Connector For LMR-600 Cable, Crimp/Non-Solder Contact



EZ-600-NMH-RA-X

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 80 µin minimum
Coupling Nut	Brass	Tri-Metal 80 µin minimum
Gasket	Silicone	
Crimp Sleeve	Copper	

Environmental Specifications

Temperature

Operating Range

Shock

Vibration

Thermal Shock

-40 to +125 deg C

MIL-STD 202, Method 213, Condition I

MIL-STD 202, Method 204, Condition B

MIL-STD 202G, Method 107, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Right Angle N Male (Plug) Connector For LMR-600 Cable, Crimp/Non-Solder Contact from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Right Angle N Male \(Plug\) Connector For LMR-600 Cable, Crimp/Non-Solder Contact EZ-600-NMH-RA-X](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/n-male-lmr-600-connector-ez-600-nmh-ra-x.html>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

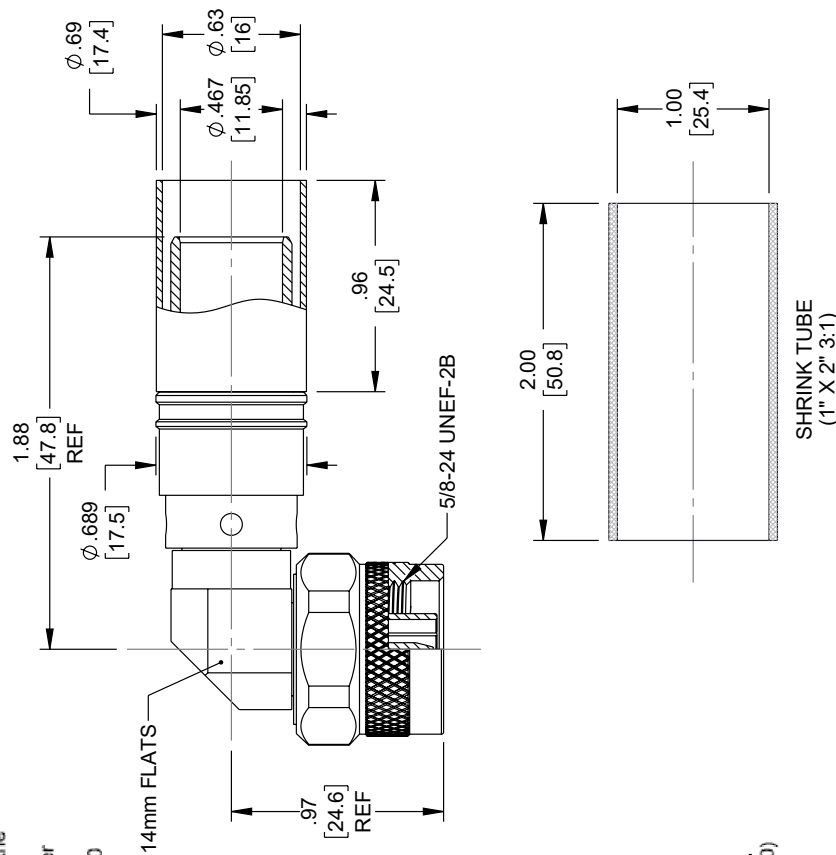
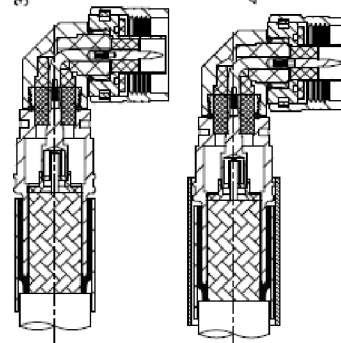
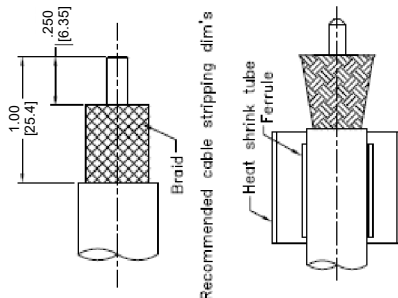
Installation Instruction

1. A. Cut the cable squarely while keeping it round using the CCT-02 cutting tool.
- B. Trim cable to the dimensions shown using the CST-600 prep tool.
- C. Remove any residual plastic from the center conductor.
- D. Deburr center conductor using the CST-600 or a fine file.

2. A. Slide clamp ferrule and heat shrink tube over the cable.
B. Flare the braid.

3. A. Insert cable into connector body until dielectric is seated and center conductor is inserted fully into connector center pin.

- A. Slide crimp ferrule over braid and crimp as close to body as possible using .610" HEX crimp tooling. Pay attention to the crimp area, do not crimp rear of crimp sleeve.
- B. Heat shrink tube over rear of connector body and down on to cable jacket using hot air gun.
- C. Times supply rubber boot 3109-401(WSB-600) as an option to instead of heat shrink tube.



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS					
TOLERANCES:					
$X = \pm .2 [5]$					
$.XX = \pm .02 [0.5]$					
$.XXX = \pm .005 [0.13]$					
ANGLES $\pm 1^\circ$					
CABLE LENGTH TOLERANCES:					
$\leq 12 [305] = +1 [25] / -0$					
$> 12 [305] \leq 60 [1524] = +2 [51] / -0$					
$> 60 [1524] \leq 120 [3048] = +4 [102] / -0$					
$> 120 [3048] \leq 300 [7620] = +5% / -0$					
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A WARRANTY. UNLESS OTHERWISE INDICATED, FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY					

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.