

N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-600, PE-C600



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, PE-C600
- 20.57 mm Hex

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's EZ-600-NMH-RA-X Right Angle type N Male Connector Crimp/Non-Solder Contact Attachment for LMR-600 and PE-C600 Cable is part of our full line of RF components available for same-day shipping. Our 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 allows for easier connections in tight spaces.

Our type N male right angle connector EZ-600-NMH-RA-X datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship 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 = $-0.1 \times \text{SQRT}(\text{FGHz})$

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	0.243 lbs [110.22 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]

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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:

N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-600, PE-C600 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-600, PE-C600 EZ-600-NMH-RA-X](#)

URL: <https://www.pasternack.com/n-male-lmr-600-pe-c600-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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

Installation Instruction

- 1.00
[25.4]

250
[6.35]

Braid

Heat shrink tube

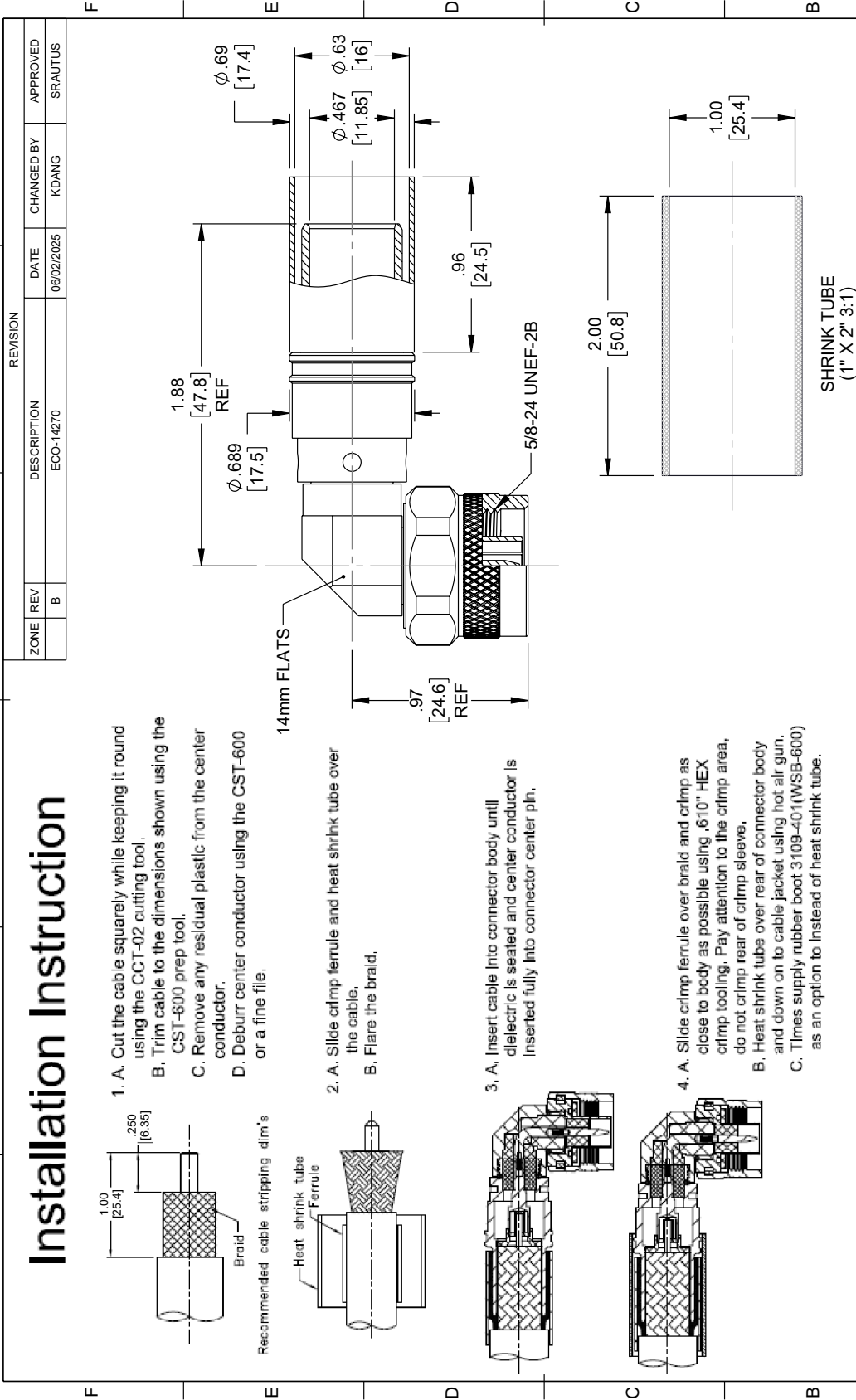
Ferrule

Recommended cable stripping dim's
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 crimp 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.

4. 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 IN INCHES, DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X = ±.2 [5]
XX = ±.02 [0.5]
XXX = ±.005 [0.13]
FRACTIONS
± 1/32
ANGLES ± 1°
CABLE LENGTH TOLERANCES:
≤ 12 [305] ± .60 [15.24] = ±.2 [5.1] / -0
> 12 [305] ≤ 60 [1524] = ±.2 [5.1] / -0
> 60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0
> 120 [3048] ≤ 300 [7620] = ±.6 [15.2] / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY
UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
SCALE
NONE
SHEET
1 OF 1

DESCRIPTION
N MALE RIGHT ANGLE CONNECTOR CRIMP/NON-SOLDER CONTACT ATTACHMENT FOR LMR-600, PE-C600

SIZE
A

CAGE CODE
53919

DRAWN BY
KDANG

ITEM NO.
EZ-600-NMH-RA-X

REV
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