



TNC Male Right Angle Connector Crimp/Solder
Attachment For RG8X, PE-C240, 0.240 inch

TECHNICAL DATA SHEET

PE44635

TNC Male Right Angle Connector Crimp/Solder Attachment For RG8X, PE-C240, 0.240 inch

Configuration

Connector	TNC Male
Connector Interface Type	RG8X, PE-C240, 0.240 inch
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Right Angle

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Size

Length, in [mm]	1.103 [28.02]
Width/Dia., in [mm]	0.59 [15]
Height, in [mm]	1.06 [26.92]
Weight, lbs [g]	0.042 [19.05]

Connector

Type	TNC Male
Contact Material and Plating	Brass, Gold
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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URL: <http://www.pasternack.com/tnc-male-standard-rg8x-pe-c240-0.240-connector-pe44635-p.aspx>

TNC Male Right Angle Connector Crimp/Solder Attachment For RG8X, PE-C240, 0.240 inch from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

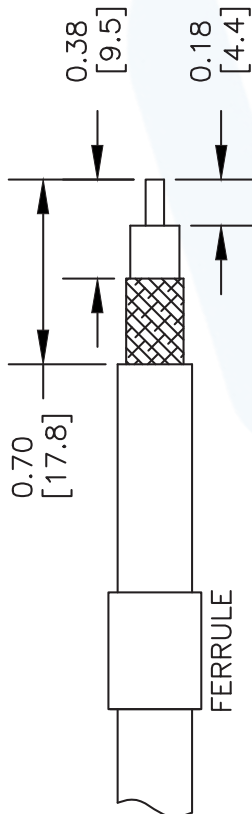
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

PE44635 CAD Drawing

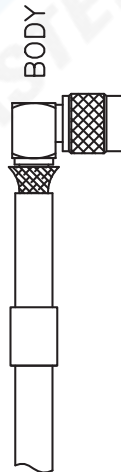
TNC Male Right Angle Connector Crimp/Solder
Attachment For RG8X, PE-C240, 0.240 inch

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.



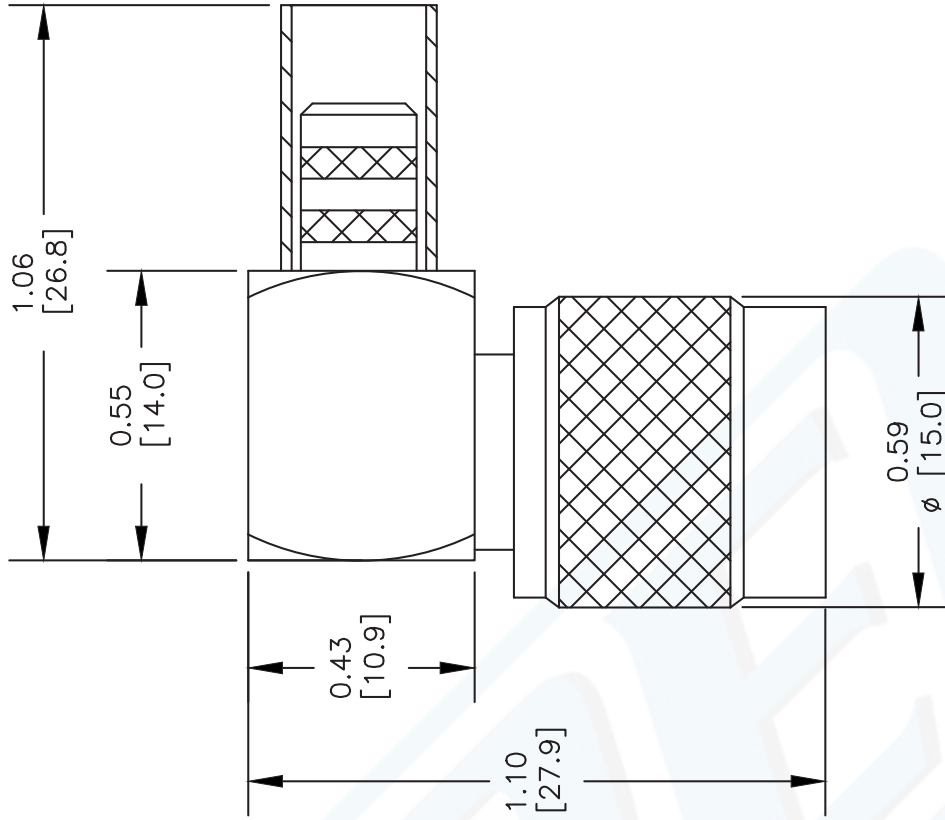
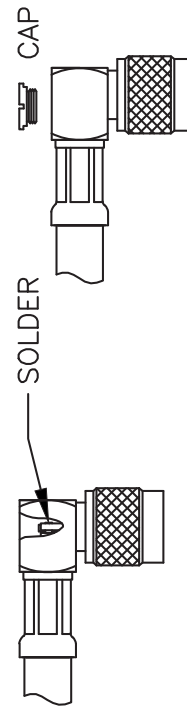
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO BODY AND POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CENTER PIN.



3. SLIDE FERRULE OVER BRAID UP TO THE CONNECTOR BODY AND CRIMP AS CLOSE TO THE CONNECTOR BODY AS POSSIBLE USING A .255" HEX CRIMP TOOL.



4. SOLDER THE CENTER CONDUCTOR OF THE CABLE TO THE CENTER PIN. TIGHTEN DOWN THE CAP INTO THE REAR APERTURE OF THE BO



DWG TITLE

PE44635

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. B

FSCM NO. 53919

CAD FILE 012012-B

SCALE N/A

SIZE A

2233

P**ASTERNACK**[®]

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N Male Right Angle Connector Crimp/Non-Solder
 Contact Attachment for LMR-240, LMR-240-DB,
 LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet


EZ-240-NMH-RA-X

Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.35:1
- Gold Plated Beryllium Bronze Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

EZ-240-NMH-RA-X N male right angle coaxial connector has an interface type of N male LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, and PE-C240 and a 50 Ohms impedance. Pasternack's N male connector uses crimp/non-solder contact as an attachment method. Our male N right angle coaxial connector provides a maximum frequency of 6 GHz.

The Pasternack right angle N male coaxial connector has a PTFE dielectric type and a VSWR of 1.35:1. Pasternack's N coaxial connector has a brass body with tri-metal plating. Our EZ-240-NMH-RA-X N right angle connector uses a gold plated beryllium bronze contact. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings above.

The radio frequency connector is made from brass material and has a contact life of 500 cycles or more. Our high-quality EZ-240-NMH-RA-X features an 80 µin minimum body plating specification. The Pasternack EZ-240-NMH-RA-X N connector operates at a temperature range of -55 to 125 deg C.

This Pasternack right angle male N connector will ship the same business day as purchased. Our N right angle male connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for local, domestic, and international shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Insertion Loss			0.24	dB
Impedance		50		Ohms
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:
 Insertion Loss is 0.1*SQRT(fGHz) dB

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-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-NMH-RA-X](#)



N Male Right Angle Connector Crimp/Non-Solder
Contact Attachment for LMR-240, LMR-240-DB,
LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet



EZ-240-NMH-RA-X

Mechanical Specifications

Size

Length	1.12 in [28.52 mm]
Width	0.81 in [20.57 mm]
Height	1.23 in [31.32 mm]
Weight	0.10 lbs [45.36 g]
Mating Cycles	500 Cycles
Mating Torque	1.7 in-lbs [0.19 Nm]
Cable Retention Force	300 lbs 136.08 kg

Material Specifications

Description	Material	Plating
Contact	Beryllium Bronze	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	Brass	Tri-Metal 80 µin minimum

Environmental Specifications

Temperature

Operating Range	-55 to 125 deg C
Shock	MIL-STD 202G, Meth.213, Cond I
Vibration	MIL-STD 202G, Meth.204, Cond.B
Thermal Shock	MIL-STD 202G, Meth.107, Cond.B

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

Plotted and Other Data

Notes:

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N Male Right Angle Connector Crimp/Non-Solder
Contact Attachment for LMR-240, LMR-240-DB,
LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet



EZ-240-NMH-RA-X

N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 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.

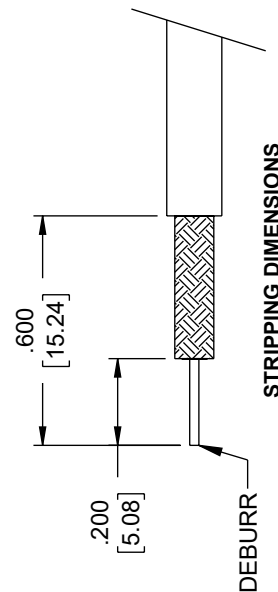
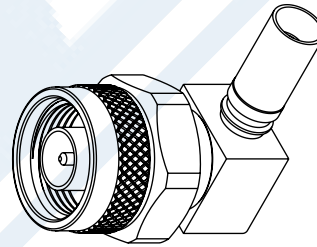
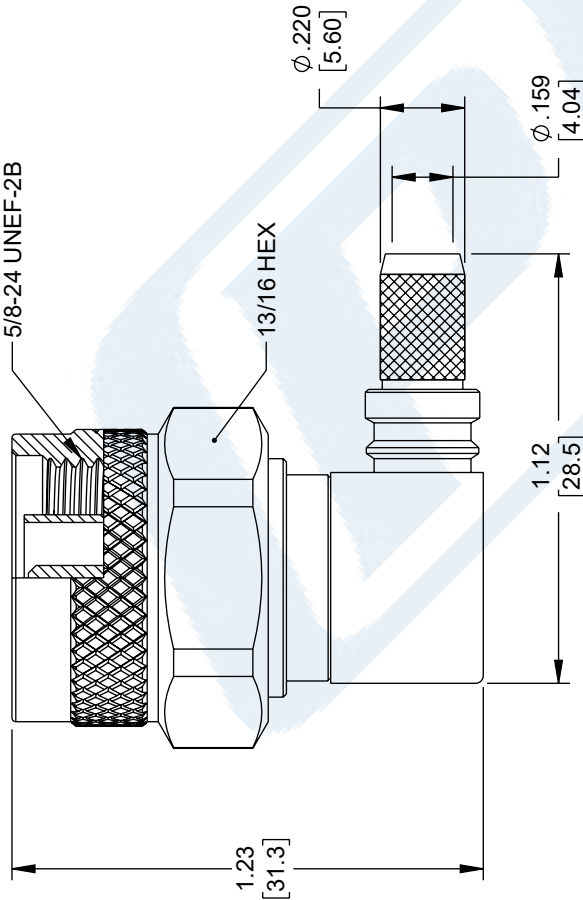
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URL: <https://www.pasternack.com/n-male-lmr-240-lmr-240-db-connector-ez-240-nmh-ra-x-p.aspx>

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5/8-24 UNEF-2B

13/16 HEX



STRIPPING DIMENSIONS

NOTES:

1. CABLE ATTACHMENT:
• OUTER: CRIMP.
• INNER CONTACT: CAPTIVE.
2. CRIMP SIZE REQUIRED:
• FERRULE: .255 [6.48] HEX. CRIMP TOOL.

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X = ± .2 [5] FRACTIONS
.XX = ± .02 [.5] ± 1/32
XXX = ± .005 [.13] ANGLES ± 1°
CABLE LENGTH TOLERANCES:
≤ 12 [305] = +1 [25] / -0
> 12 [305] ≤ 60 [1524] = +2 [51] / -0
> 60 [1524] ≤ 120 [3048] = +4 [102] / -0
> 120 [3048] ≤ 300 [7620] = +6 [152] / -0
> 300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE

PE PASTERNAK
an INFINITI® brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
N-Male (plug) crimp right angle (non-solder pin) hex/knurled nut, no braid trim

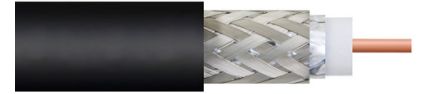
SCALE NONE
SHEET 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

ITEM NO. EZ-240-NMH-RA-X

REV B

Low Loss Flexible LMR-240-DB Rated Coax Cable Double Shielded with Black PE Jacket



LMR-240-DB

Times Microwave Systems Coax Cable Specification

Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

Features

- Easily Routed
- Low Loss Cable
- RF Shielding > 90dB
- Designed for Outdoor Use
- Watertight

Applications

- Jumper Assemblies
- Short Antenna Feeder Runs
- Wireless Communications

Description

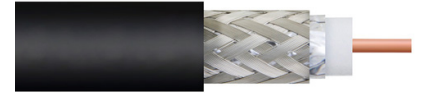
LMR-240-DB part number from Pasternack is a LMR-240-DB coax cable that is flexible. Pasternack LMR-240-DB flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-240-DB coax is constructed with a 0.24 jacket made of PE. LMR-240-DB coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-240-DB coax cable has an attenuation at 1 GHz of 7.66 dB.

Pasternack LMR-240-DB coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-240-DB cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-240-DB or other coax can be built and shipped same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		84		%
Time Delay		1.21 [3.97]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms
Inner Conductor DC Resistance			3.2	Ohms/1000ft
Outer Conductor DC Resistance			3.89	Ohms/1000ft
Nominal Capacitance		24.2 [79.4]		pF/ft [pF/m]
Nominal Inductance		0.06 [0.2]		uH/ft [uH/m]
Input Power (Peak)			5.6	kWatts

Low Loss Flexible LMR-240-DB Rated Coax Cable Double Shielded with Black PE Jacket



LMR-240-DB

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	1.7	3	3.7	5.3	7.6	dB/100ft
	5.58	9.84	12.14	17.39	24.93	dB/100m
Input Power (CW), Max	1,150	660	540	380	260	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	9.9	10.9	11.5	12.9	20.4	dB/100ft
	32.48	35.76	37.73	42.32	66.93	dB/100m
Input Power (CW), Max	200	180	170	150	100	Watts

Electrical Specification Notes:

Values at 25°C, sea level.//Attenuation = $0.242080 \cdot \sqrt{\text{FMHz}} + 0.000330$

Mechanical Specifications

Diameter	0.24 in [6.1 mm]
Weight	0.034 lbs/ft [0.05 kg/m]
Min. Bend Radius (Installation)	0.75 in [19.05 mm]
Min. Bend Radius (Repeated)	2.5 in [63.5 mm]
Bending Moment	0.25 lbs-ft [0.34 N-m]
Tensile Strength	80 lbs [36.29 kg]
Flat Plate Crush	20 lbs/in [0.36 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.056 in [1.42 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.15 in [3.81 mm]
First Shield	Aluminum Tape	0.155 in [3.94 mm]
Second Shield	Tinned Copper Braid	0.178 in [4.52 mm]
Jacket	PE, Black	0.24 in [6.1 mm]

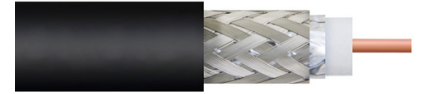
Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

Environmental Specification Notes:

Designed for indoor and outdoor use.

Low Loss Flexible LMR-240-DB Rated Coax Cable Double Shielded with Black PE Jacket



LMR-240-DB

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

Plotted and Other Data

Notes:

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URL: <https://www.pasternack.com/low-loss-flexible-lmr240db-pe-jacket-double-shielded-black-lmr-240-db-p.aspx>

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