

BNC Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



RF Connectors Technical Data Sheet

PE44641

Configuration

- BNC Male Connector
- 50 Ohms
- Right Angle Body Geometry
- PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44641 BNC male right angle connector with crimp/solder attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF and B7808A is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our BNC male right angle connector PE44641 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 | | 4 | GHz |

Mechanical Specifications

| Size | |
|------------|---------------------|
| Length | 1.103 in [28.02 mm] |
| Width/Dia. | 0.571 in [14.50 mm] |
| Height | 1.052 in [26.72 mm] |
| Weight | 0.047 lbs [21.32 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44641](#)

BNC Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



RF Connectors Technical Data Sheet

PE44641

Material Specifications

| Description | Material | Plating |
|--------------|----------|---------|
| Contact | Brass | Gold |
| Insulation | PTFE | |
| Body | Brass | Nickel |
| Coupling Nut | Brass | Nickel |

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

BNC Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/bnc-male-standard-rg8x-pe-c240-0.240-connector-pe44641-p.aspx>

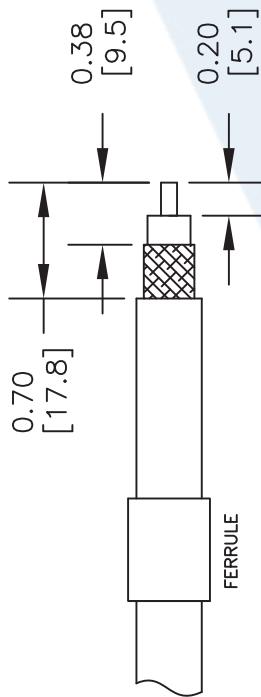
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such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

PE44641 CAD Drawing

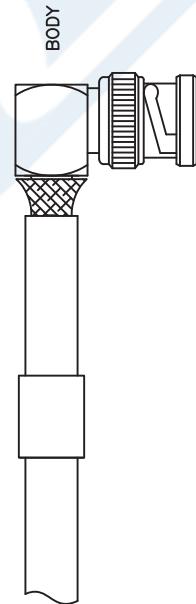
BNC Male Right Angle Connector Crimp/Solder Attachment for PE-C240,
RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A

ASSEMBLY PROCEDURES

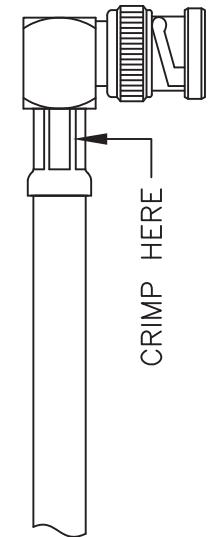
1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.



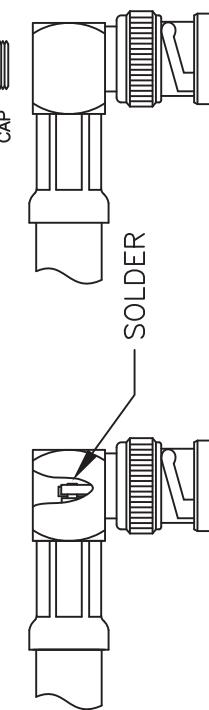
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO BODY AND POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CENTER PIN.



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 BODY.



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COAXIAL & FIBER OPTICS
ESTABLISHED 1972

DWG TITLE

PE44641

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 | 071612 | SCALE | N/A | SIZE A | 2233 |
|--------|----------|-------|----------|--------|-------|-----|--------|------|
|--------|----------|-------|----------|--------|-------|-----|--------|------|

BNC Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



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- Crimp/Solder Attachment

Features

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| Description | Minimum | Typical | Maximum | Units |
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| Frequency Range | DC | | 4 | GHz |

Mechanical Specifications

| Size | |
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BNC Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



RF Connectors Technical Data Sheet

PE44641

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| Description | Material | Plating |
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| Contact | Brass | Gold |
| Insulation | PTFE | |
| Body | Brass | Nickel |
| Coupling Nut | Brass | Nickel |

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

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URL: <https://www.pasternack.com/bnc-male-standard-rg8x-pe-c240-0.240-connector-pe44641-p.aspx>

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PE44641 CAD Drawing

BNC Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A

ASSEMBLY PROCEDURES

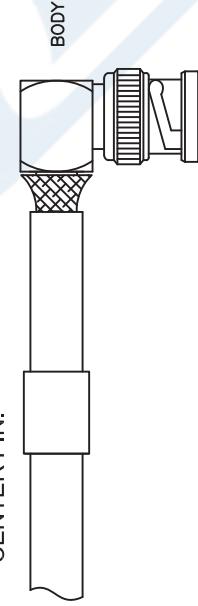
1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.

0.70 [17.8]

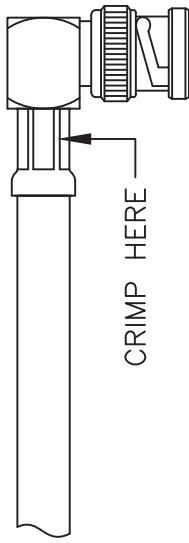
0.38 [9.5]

0.20 [5.1]

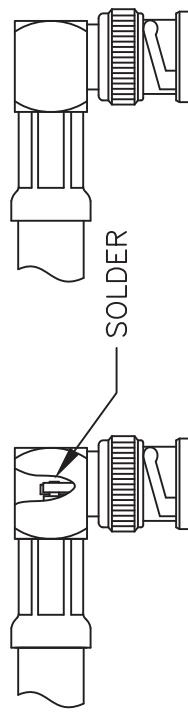
FERRULE



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 BODY.



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. FITTINGS, MII, C-77 AND EQUIVALENT CABLES.

OTES.

CHICAGO: OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

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DIMENSIONS ARE IN INCHES [mm]
EXCEPT WHERE NOTED

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Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

Times Microwave Systems Coax Cable Specification

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|------------------------|-----------|---------|---------|--------------|
| Frequency Range | DC | | 1,000 | MHz |
| Impedance | | 50 | | Ohms |
| Operating Voltage (AC) | | | 2,500 | Vrms |
| Nominal Capacitance | 26 [85.3] | | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|-------|----|----------|
| Frequency | 10 | 400 | 700 | 1,000 | | MHz |
| Attenuation, Typ | 1 | 8 | 11.1 | 13.5 | | dB/100ft |
| | 3.28 | 26.25 | 36.42 | 44.29 | | dB/100m |
| Input Power (CW), Max | 1,000 | 110 | 75 | 60 | | Watts |

Electrical Specification Notes:

All tests performed in accordance with MIL-DTL-17

Mechanical Specifications

| | |
|----------|---------------------------|
| Diameter | 0.242 in [6.15 mm] |
| Weight | 0.0375 lbs/ft [0.06 Kg/m] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|----------------------|------------------|
| Inner Conductor | Copper19 | 0.056 in 1.42 mm |
| Conductor Type | Stranded | |
| Dielectric | PE (F) | 0.155 in 3.94 mm |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

| | | |
|--------------|-----------------|--------------------|
| First Shield | Copper Braid | |
| Jacket | PVC (NC), Black | 0.242 in [6.15 mm] |

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

Compliance Certifications (see [product page](#) for current document)**Plotted and Other Data**

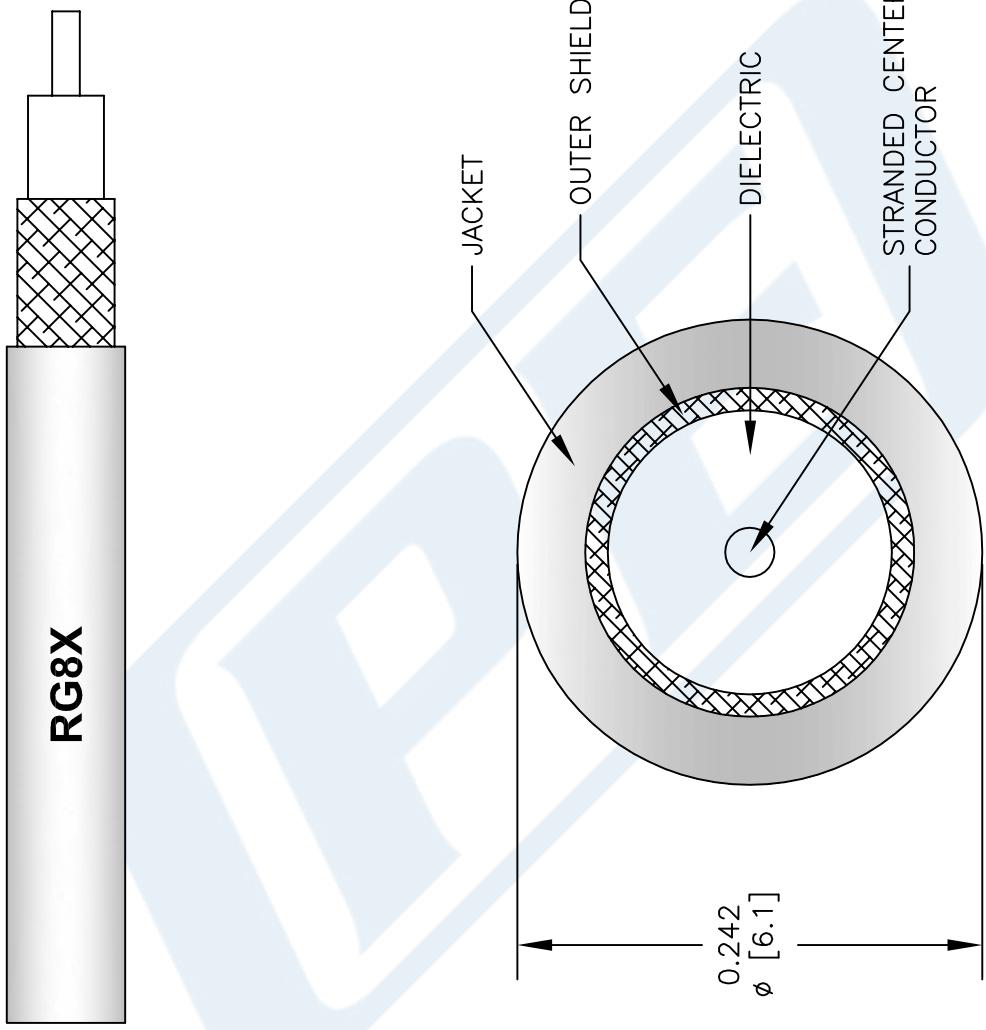
Notes:

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URL: <https://www.pasternack.com/flexible-0.242-rg8x-50-ohm-coax-cable-pvc-jacket-rg8x-p.aspx>

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DWG TITLE
RG8X

REV. A

FSCM NO. 53919

CAD FILE 040113-A

SCALE N/A

SIZE A

147

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