



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 μ m 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 μ m 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 $0.1 * \sqrt{\text{fGHz}}$ 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

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:

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



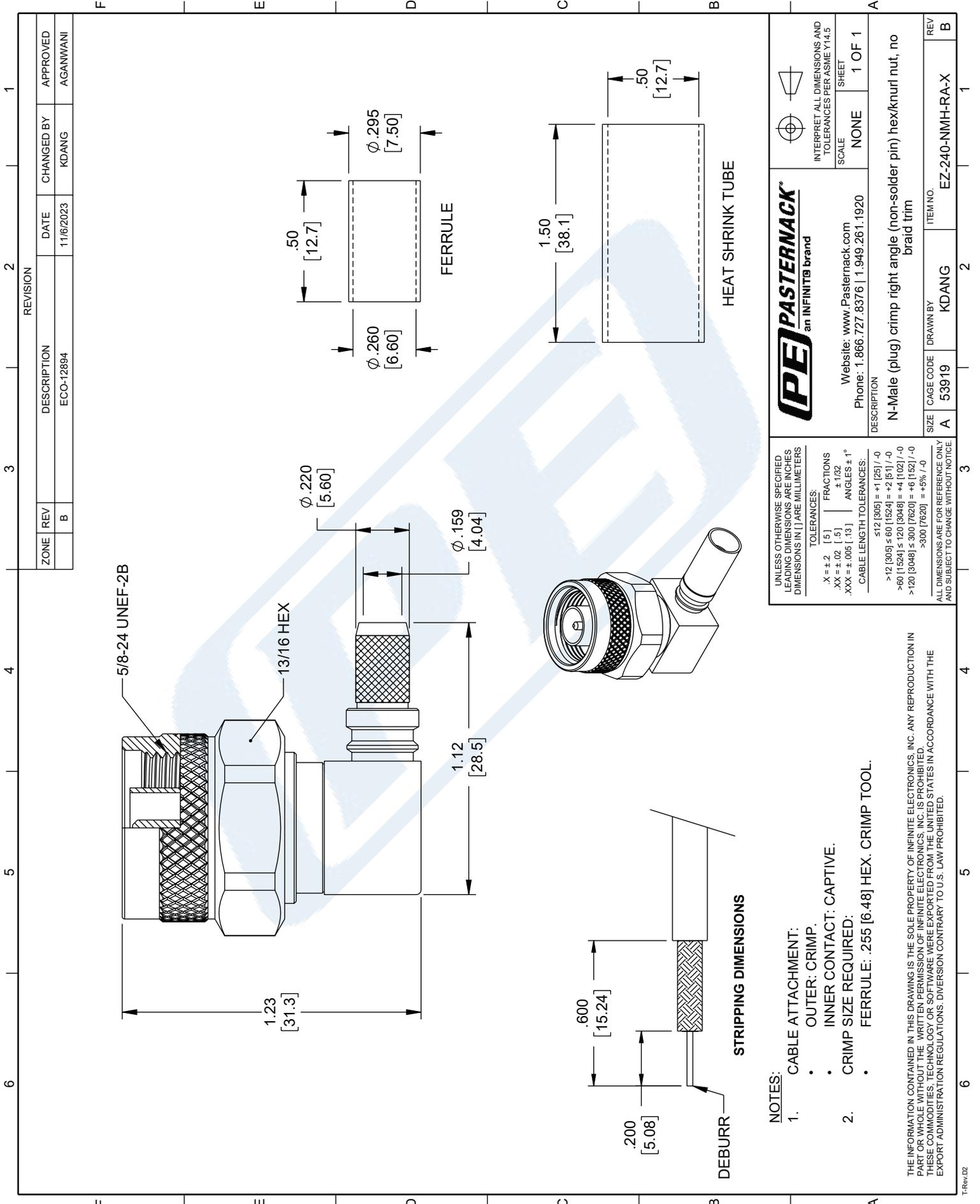
EZ-240-NMH-RA-X

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.

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](https://www.pasternack.com/n-male-lmr-240-lmr-240-db-connector-ez-240-nmh-ra-x)

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

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| ZONE | REV | DESCRIPTION | DATE | CHANGED BY | APPROVED |
|------|-----|-------------|-----------|------------|----------|
| B | | ECO-12894 | 11/6/2023 | KDANG | AGANWANI |

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

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

| | | | |
|------|-----------|----------|-----------------|
| SIZE | CAGE CODE | DRAWN BY | ITEM NO. |
| A | 53919 | KDANG | EZ-240-NMH-RA-X |

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

TOLERANCES:
 .X = ±.2 [5] | FRACTIONS ±.1/32
 .XX = ±.02 [5] | ANGLES ± 1°
 .XXX = ±.005 [13] |
 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

NOTES:

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

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Reverse Polarity SMA Male Connector Crimp/Solder Attachment for RG8X, PE-C240, LMR-240

RF Connectors Technical Data Sheet

PE44664

Configuration

- SMA Male Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-C240, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Beryllium Copper Contact

- Reverse Polarity

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44664 RP SMA male connector with crimp/solder attachment for PE-C240, RG8X, .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. The male reverse polarity configuration uses a male connector body with a female inner contact receptacle. Our SMA male connector operates up to a maximum frequency of 12.4 GHz.

Our reverse polarity SMA male connector PE44664 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 | | 12.4 | GHz |

Mechanical Specifications

Size

| | |
|---------------|---------------------------------|
| Length | 0.997 in [25.32 mm] |
| Width/Dia. | 0.312 in [7.92 mm] |
| Weight | 0.014 lbs [6.35 g] |
| Mating Torque | 3 to 5 in-lbs [0.34 to 0.57 Nm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male Connector Crimp/Solder Attachment for RG8X, PE-C240, LMR-240 PE44664](#)



Reverse Polarity SMA Male Connector Crimp/Solder
Attachment for RG8X, PE-C240, LMR-240

RF Connectors
Technical Data Sheet

PE44664

Material Specifications

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

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Reverse Polarity SMA Male Connector Crimp/Solder Attachment for RG8X, PE-C240, LMR-240 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.

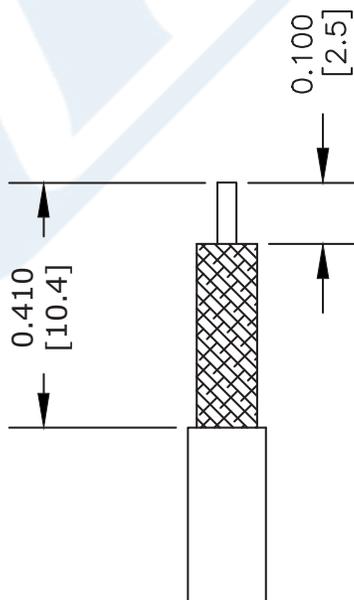
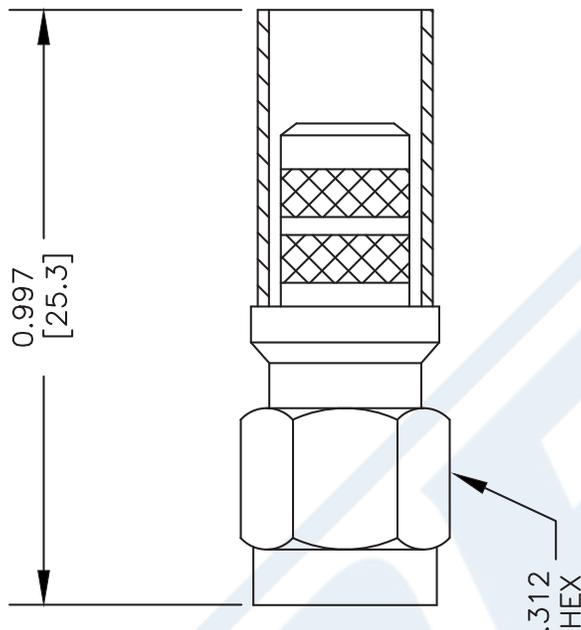
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male Connector Crimp/Solder Attachment for RG8X, PE-C240, LMR-240 PE44664](#)

URL: <https://www.pasternack.com/sma-male-reverse-polarity-rg8x-pe-c240-0.240-connector-pe44664-p.aspx>

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PE44664 CAD Drawing

Reverse Polarity SMA Male Connector Crimp/Solder
Attachment for RG8X, PE-C240, LMR-240



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .255" HEX CRIMP TOOL

DWG TITLE

PE44664

FSCM NO. 53919

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.

CAD FILE 102009

SCALE N/A

SIZE A

XXXX



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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

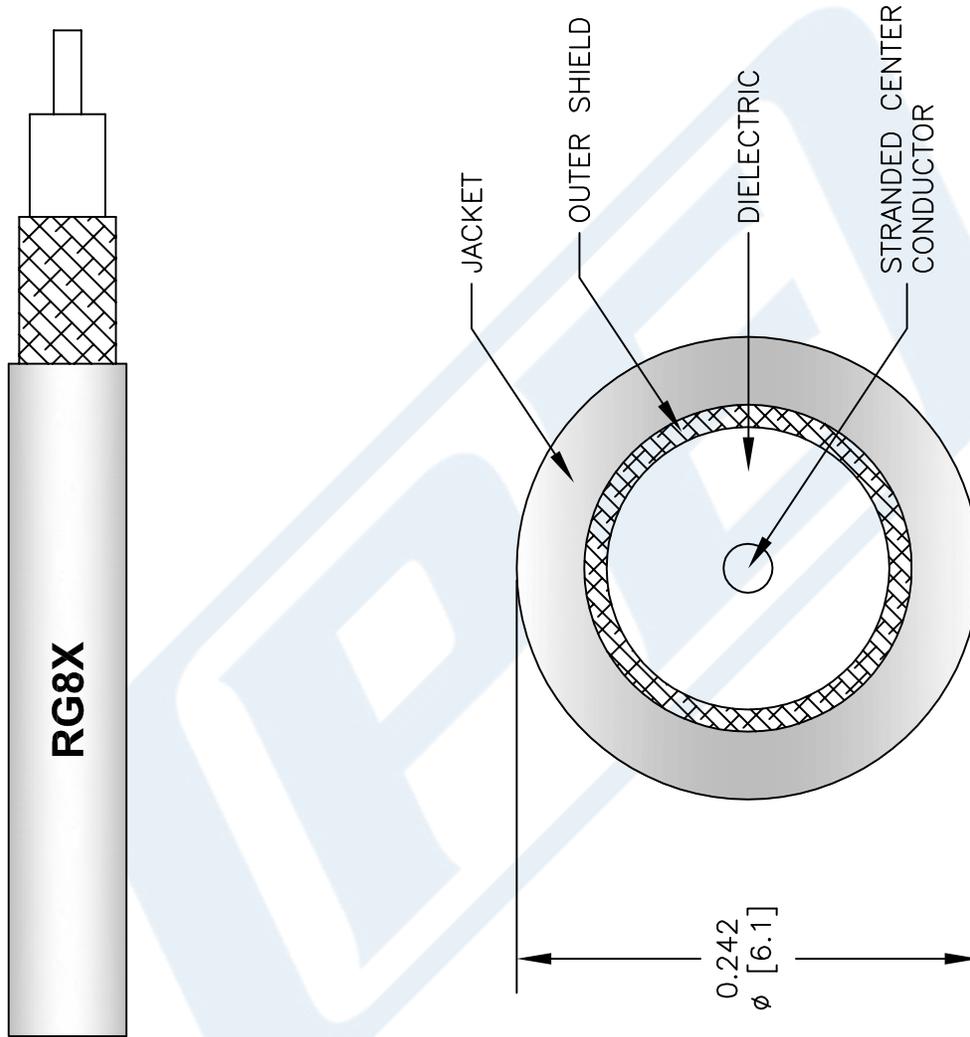
Notes:

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket 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: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

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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