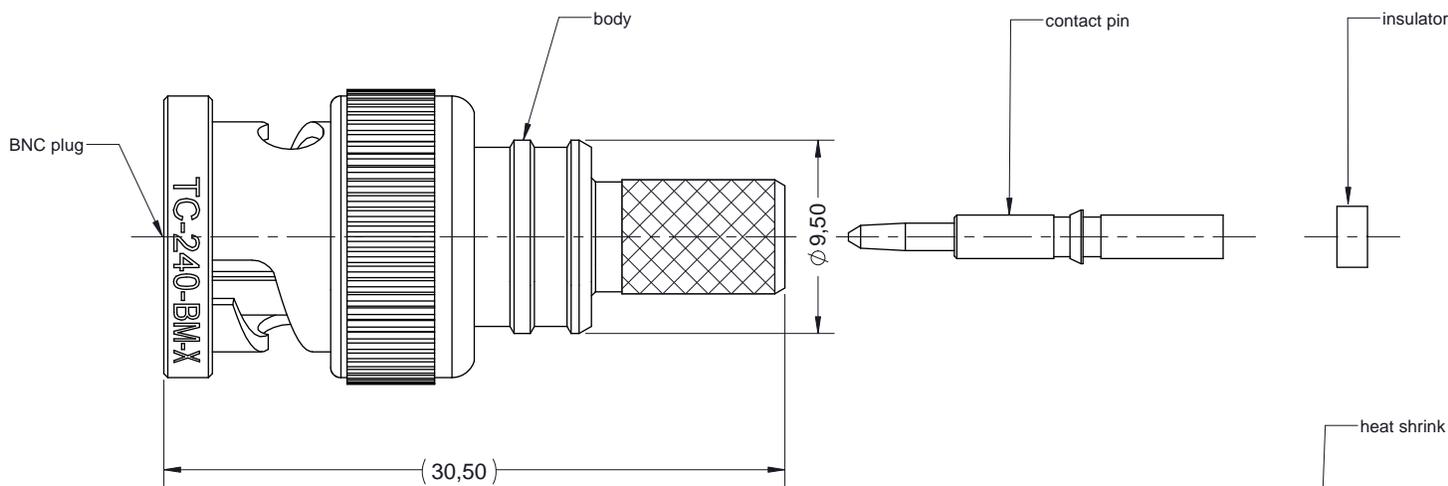


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VER
A



I. MATERIALS & FINISHES

Components	Materials	Finishes	Thk. (µ")
Body	Brass	Albaloy	100
Center Cont.	Brass	Gold	50
Ferrule	Brass	Albaloy	100
Coupling Nut	Brass	Albaloy	100
Insulator	PTFE	N/A	N/A
Gasket	Silicone	Red	N/A

II. ELECTRICAL PROPERTIES

Impedance (Ω):	50
Frequency Range (GHz):	DC to 4 GHz
Working Voltage (V):	≥1000
Insulation Resistance (MΩ):	≥10000
VSWR:	≤1.30
Insertion Loss(dB, f/GHz):	-0.1x √f

III. ENVIRONMENT PROPERTIES

Temperature Range:	-40°c - +125°c
Thermal Shock:	MIL-STD 202G, Meth.107, Cond.B
Vibration:	MIL-STD 202G, Meth.204, Cond.B
Shock:	MIL-STD 202G, Meth.213, Cond I
Climatic Class:	IEC 60068 55/155/56
(2002/95/EC)RoHS:	Compliant

IV. MECHANICAL PROPERTIES

Center Conductor:	Solder
Outer Conductor.:	Crimp
Coupling Nut Torque (N.m):	Bayonet Lock
Cable-Connector Retention Force (N):	500
Durability (cycles):	500

V. TOOLING

Stripping Tool:	3192-152
Crimping Tool:	3190-667/CT-240/200/100

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE IN mm
 MACHINED SURFACES FINISH 1.6 RMS MAX
 REMOVE ALL BURRS 0.15X45° MAX. BREAK
 MACHINE CORNERS 0.15X45° D MAX. FILLET
 R. TOLERANCES ON DECIMALS
 .X ±0.3 .XX ±0.15
 ANGLES ±2° FRACTIONS ± N/A

Scale: 4:1 Size: A3 COD IDEN



BNC Male 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

PE44640

Configuration

- BNC Male Connector
- 50 Ohms
- Straight 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 PE44640 BNC male 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.

Our BNC male connector PE44640 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	1.17 in [29.72 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.025 lbs [11.34 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 Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44640](#)



BNC Male 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

PE44640

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	POM	
Body	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 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.

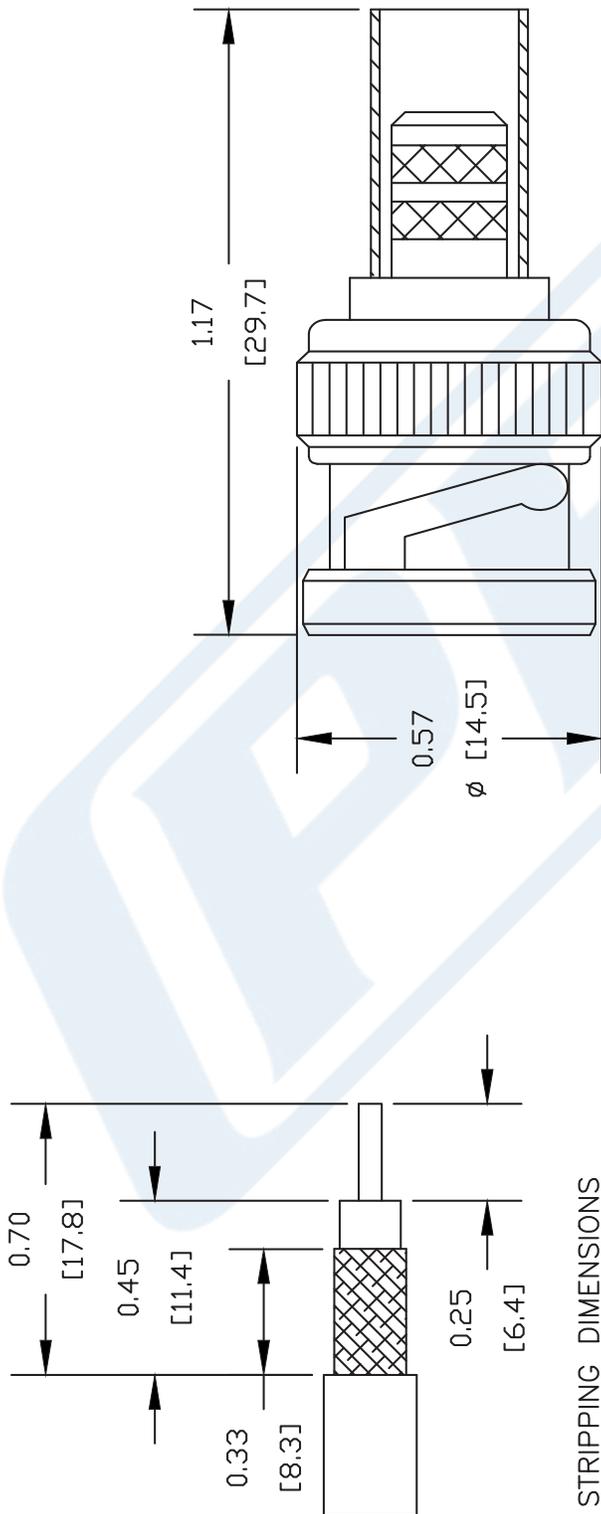
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44640](#)

URL: <https://www.pasternack.com/bnc-male-standard-rg8x-pe-c240-b7808a-0.240-connector-pe44640-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.

PE44640 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .255" HEX CRIMP TOOL



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Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE44640

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. A

FSCM NO. 53919

CAD FILE 050709

SCALE N/A

SIZE A

147

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

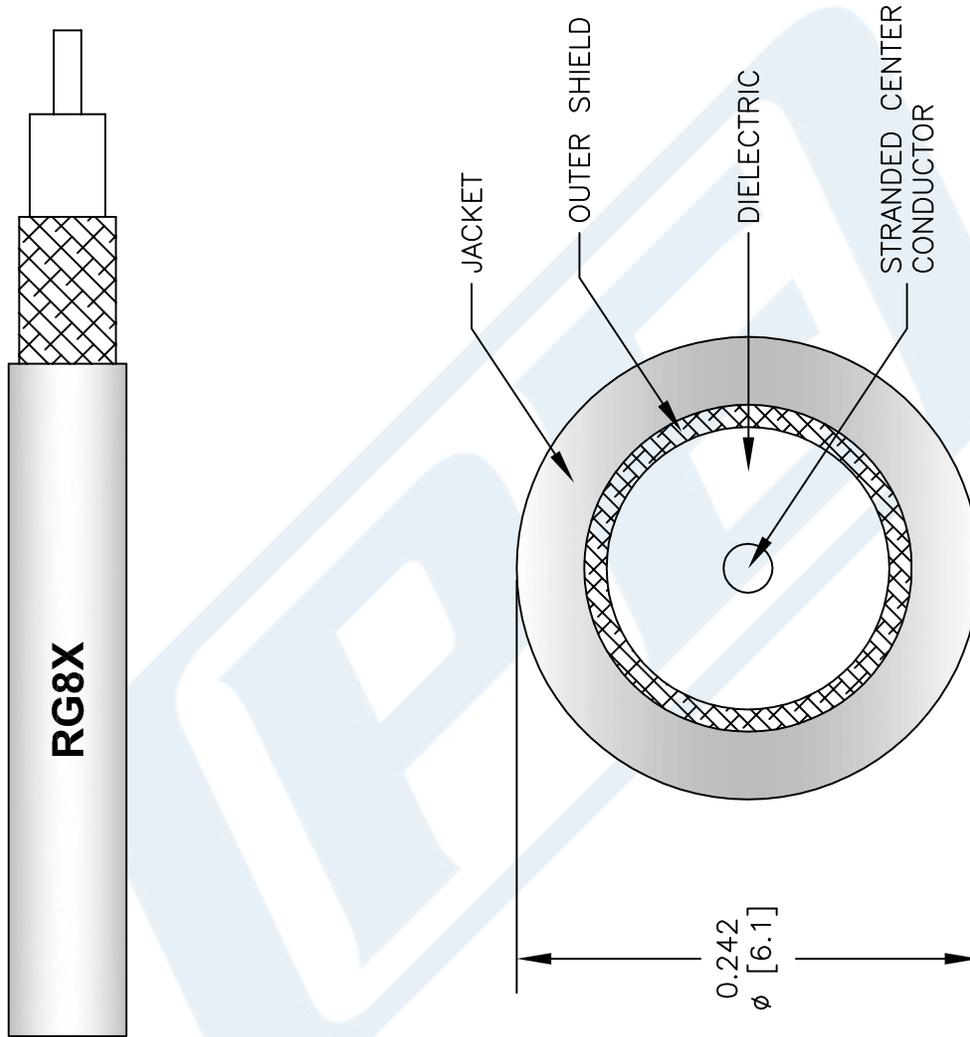
Notes:

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>

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.



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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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