



SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240

RF Connectors Technical Data Sheet



EZ-240-SM-RA-X

Times Microwave Systems Connector Specification

Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms

- Right Angle Body Geometry
- Connector Interface Types: LMR-240
- 5/16 Inch Hex

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1

- Gold Plated Brass/Phosphor Bronze Contact
- 50 μ inch contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Times Microwave's EZ-240-SM-RA-X SMA male right angle connector offered by Pasternack with crimp/non-solder contact attachment for Times' LMR-240 is part of our full line of RF components available for same-day shipping. Times Microwave's SMA male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Times Microwave's SMA male right angle connector EZ-240-SM-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		6	GHz
VSWR			1.3:1	
Insertion Loss			0.25	dB
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length
Width/Dia.
Height
Weight

0.725 in [18.42 mm]
0.312 in [7.92 mm]
0.88 in [22.35 mm]
0.021 lbs [9.53 g]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240 EZ-240-SM-RA-X](#)

SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240



RF Connectors Technical Data Sheet


TIMES MICROWAVE SYSTEMS
An Amphenol Company

EZ-240-SM-RA-X

Mating Cycles
Mating Torque

500 Cycles
7 to 10 in-lbs [0.79 to 1.13 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass/Phosphor Bronze	Gold 50 μ inch
Insulation	Teflon	
Body	Brass	Tri-Metal 80 μ inch
Coupling Nut	Brass	Tri-Metal 80 μ inch

Environmental Specifications

Temperature

Operating Range
Shock
Vibration
Thermal Shock

-40 to +125 deg C
MIL-STD 202G, Meth.213, Cond I
MIL-STD 202G, Meth.204, Cond D
MIL-STD 202G, Meth.107, Cond B

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

Plotted and Other Data

Notes:

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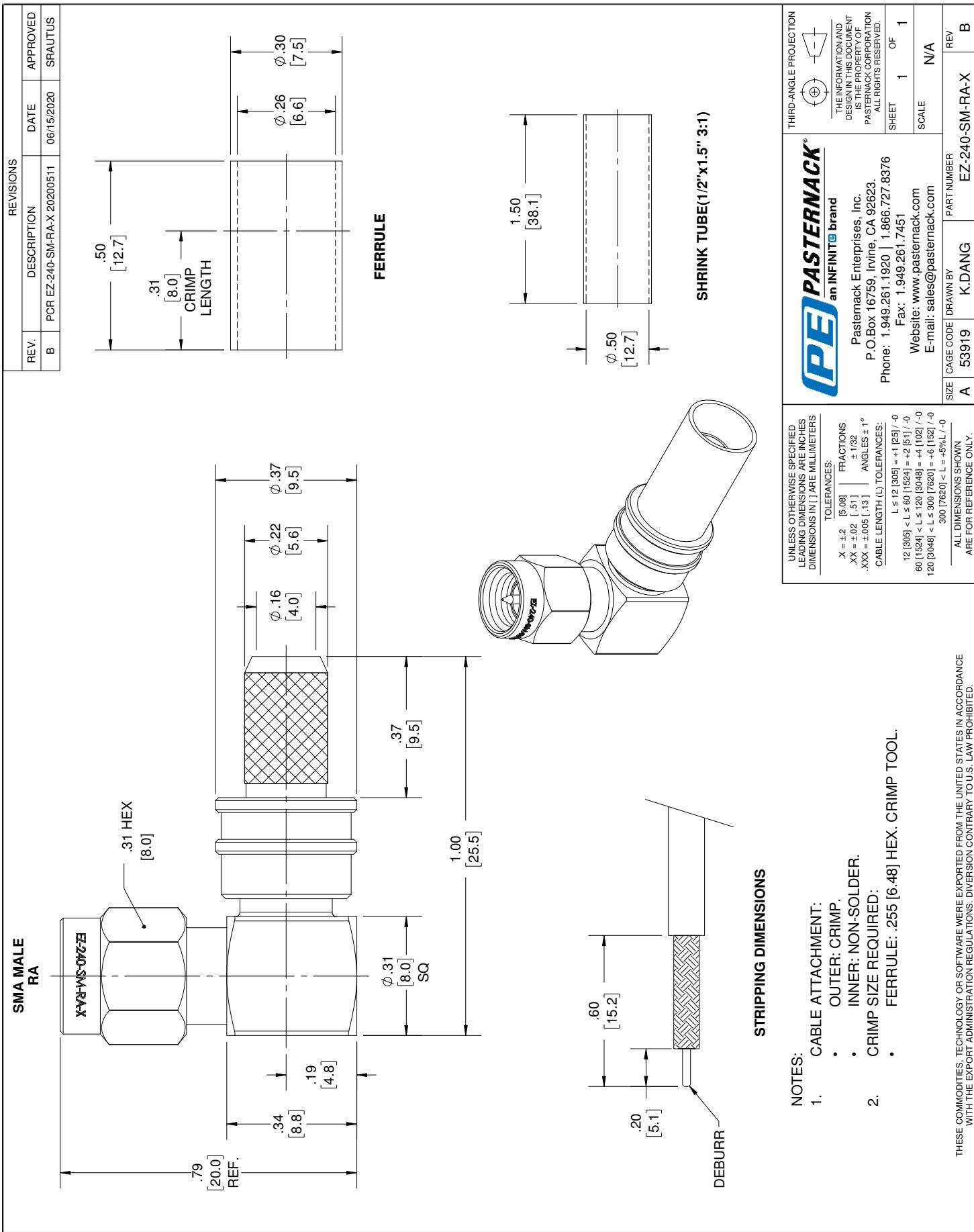
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

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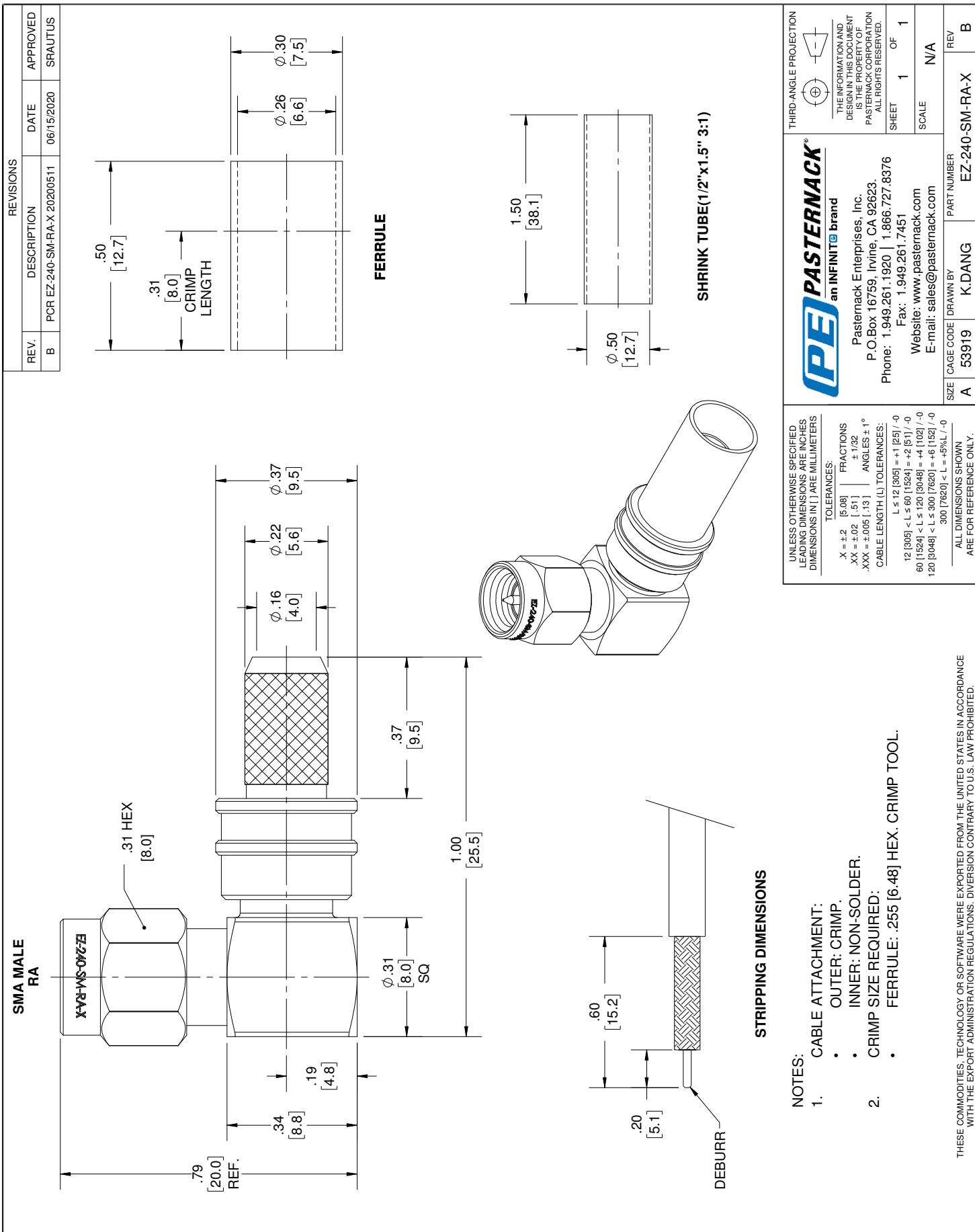
EZ-240-SM-RA-X

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

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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**

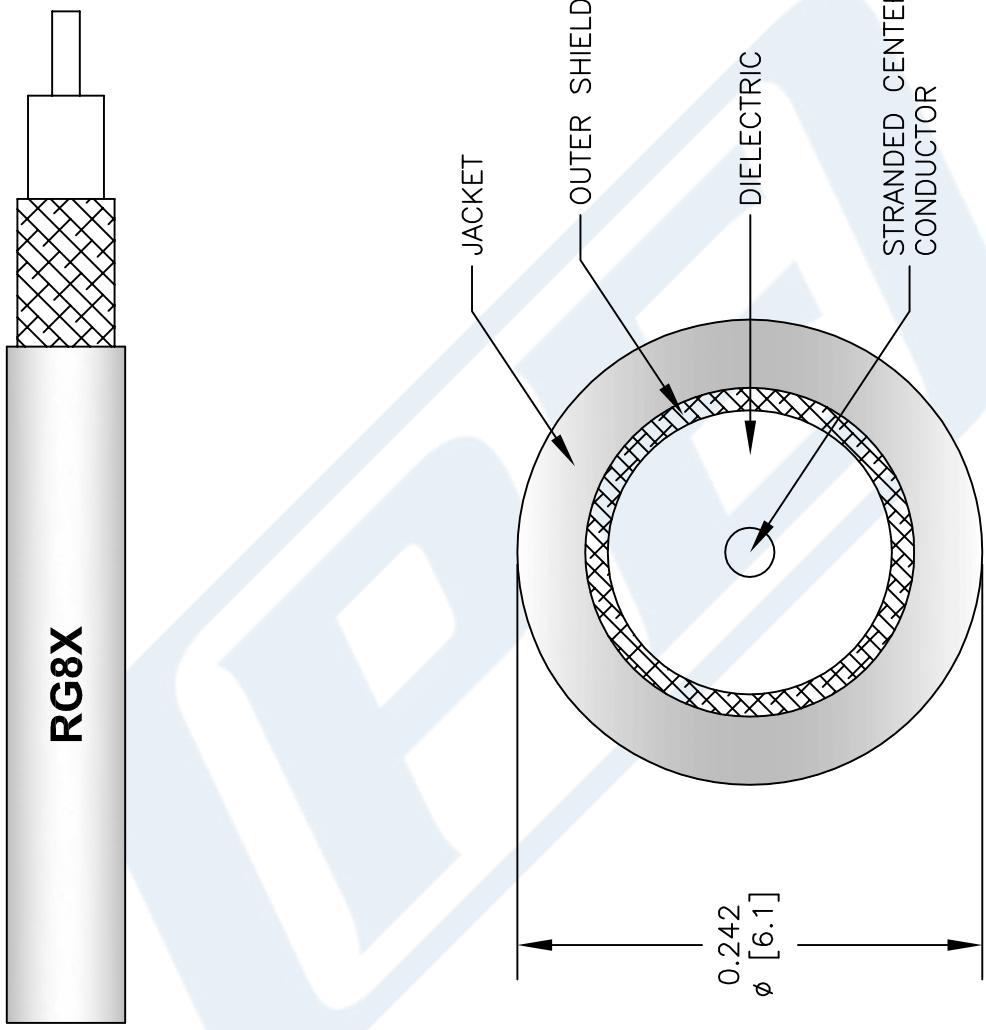
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URL: <https://www.pasternack.com/flexible-0.242-rg8x-50-ohm-coax-cable-pvc-jacket-rg8x-p.aspx>

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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].

DWG TITLE
RG8X

REV. A	FSCM NO.	53919	CAD FILE	040113-A	SCALE	N/A	SIZE	A	147
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