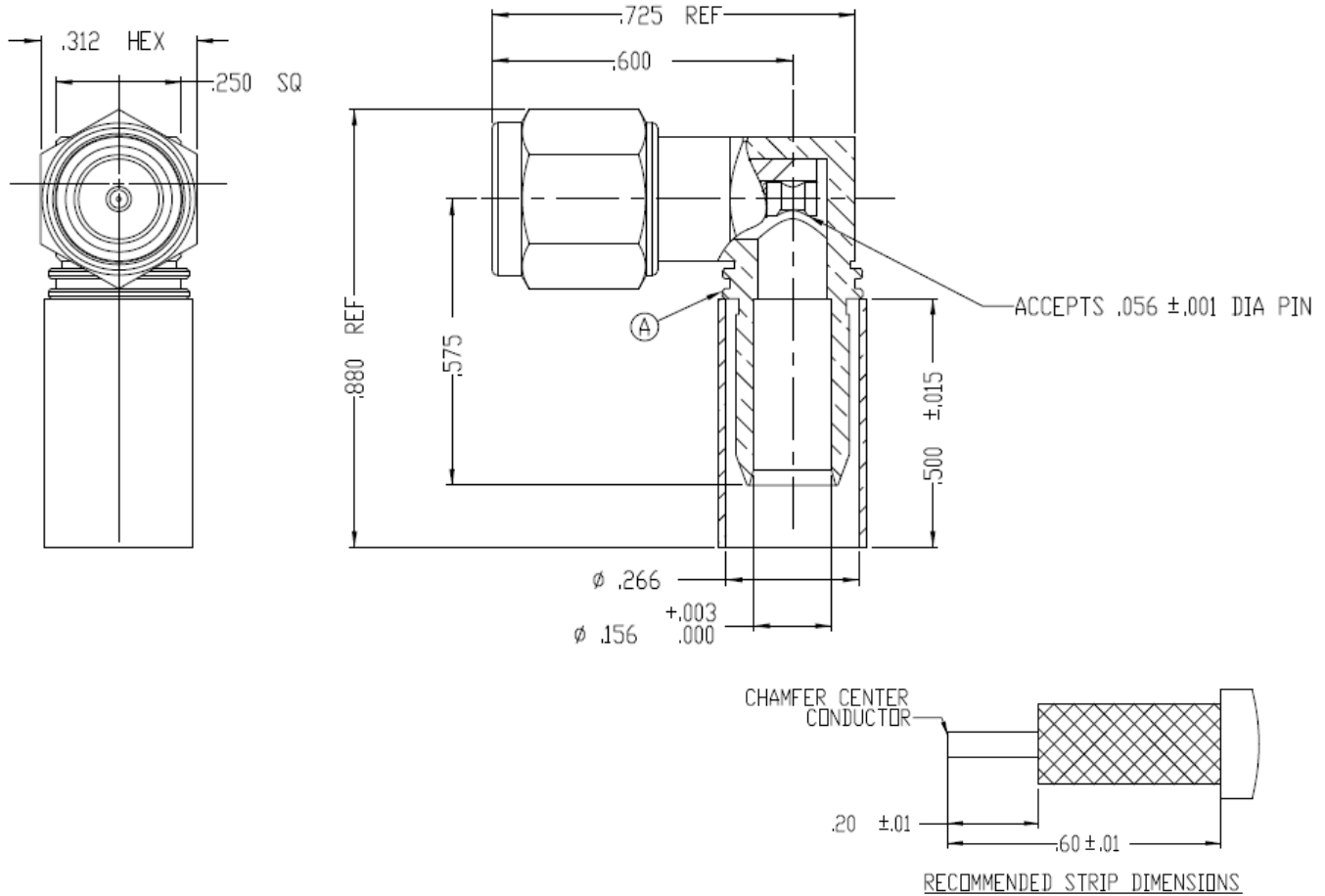


**NOTICE OF PROPRIETARY RIGHTS** THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	9/5/13	J.D.B.	9/10/13



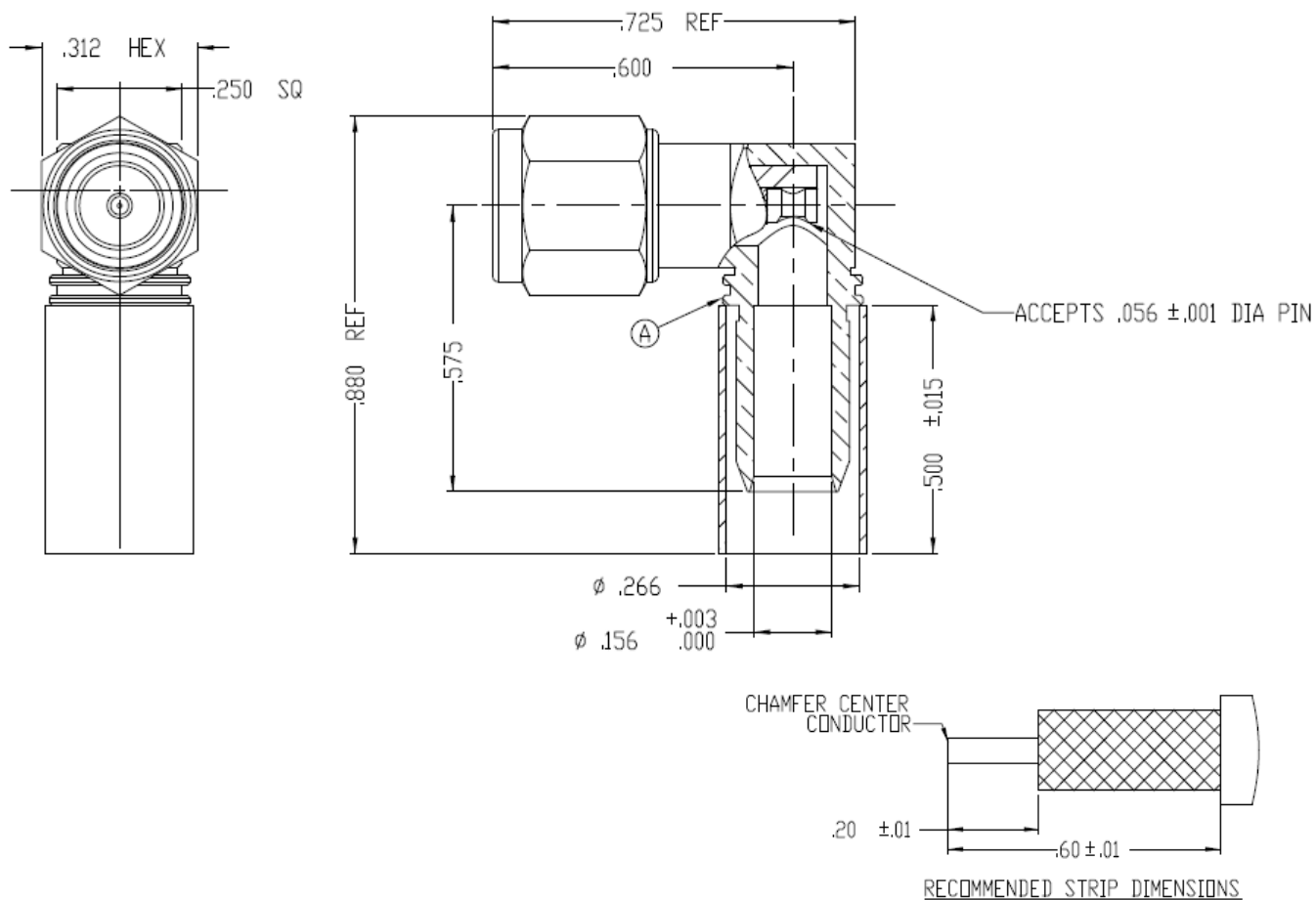
**NOTES:**

- ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348
- MATERIAL:
  - BODY, HEX NUT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
  - INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A
  - SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)
  - GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
  - CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD
  - CONTACT & LOCKING RING - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT
- FINISH:
  - CONTACT - GOLD PLATE PER ASTM B488
  - CRIMP SLEEVE - SULFAMATE NICKEL PER MIL-P-27418
  - ALL OTHER METAL PARTS - ALBALOY PLATE PER DELTA SPEC. 111197

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. N. N. N		TIMES MICROWAVE SYSTEMS	
		DATE 9/5/13	CHKD. J. D. B.		
USED ON: B	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 63 RMS MAX. REMOVE ALL BURRS .004 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ±.01 .XXX ±.005 ANGLES ±1° FRACTIONS ±1/64	DATE 9/10/13	APPD. J. D. B.	EZ-240-SM-RA-X CONNECTOR ASSEMBLY 90° SMAM for LMR-240	
		DATE 9/10/13	DATE 9/10/13		
SCALE: NONE	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 9/10/13	1 of 1 SD3190-2899 R A

**NOTICE OF PROPRIETARY RIGHTS** THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	9/5/13	J.D.B.	9/10/13



**NOTES:**

- ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348
- MATERIAL:**  
 BODY, HEX NUT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02  
 INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A  
 SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)  
 GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER  
 CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD  
 CONTACT & LOCKING RING - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT
- FINISH:**  
 CONTACT - GOLD PLATE PER ASTM B488  
 CRIMP SLEEVE - SULFAMATE NICKEL PER MIL-P-27418  
 ALL OTHER METAL PARTS - ALBALOY PLATE PER DELTA SPEC. 111197

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. N. N. N	TIMES MICROWAVE SYSTEMS		
		DATE 9/5/13	EZ-240-SM-RA-X		
USED ON: B	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 63 RMS MAX. REMOVE ALL BURRS .004 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ±.01 .XXX ±.005 ANGLES ±1° FRACTIONS ±1/64	CHKD. J. D. B.	CONNECTOR ASSEMBLY		
		DATE 9/10/13	90° SMAM for LMR-240		
SCALE: NONE	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 9/10/13	1 of 1 SD3190-2899 A

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

TECHNICAL DATA SHEET

RG8X

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

**Configuration**

Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Copper Braid
Jacket Material and Color	PVC (NC), Black

**Electrical Specifications**

Impedance, Ohms	50
Maximum Operating Frequency, MHz	1000
Capacitance, pF/ft [pF/m]	26 [85.3]
Maximum Operating Voltage, Volts	2,500

**Electrical Specifications by Frequency**

**Frequency 1**

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	1 [3.28]
Power Handling, KWatts	1

**Frequency 2**

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	8 [26.25]
Power Handling, Watts	110

**Frequency 3**

Frequency, MHz	700
Attenuation, dB/100ft [dB/100m]	11.1 [36.42]
Power Handling, Watts	75

**Frequency 4**

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13.5 [44.29]
Power Handling, Watts	60

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-40 to +80
------------------------	------------

**Inner Conductor**

Number of Strands	19
Material	Copper
Diameter, in [mm]	0.056 [1.42]

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](#)

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.

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

### TECHNICAL DATA SHEET

**RG8X****Dielectric:**

Type	PE (F)
Diameter, in [mm]	0.155 [3.94]

**Shield:**

Number of	1
Material 1	Copper Braid

**Jacket:**

Material	PVC (NC)
Diameter, in [mm]	0.242 [6.15]
Color	Black
Weight, lbs/ft [Kg/m]	0.041 [0.06]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

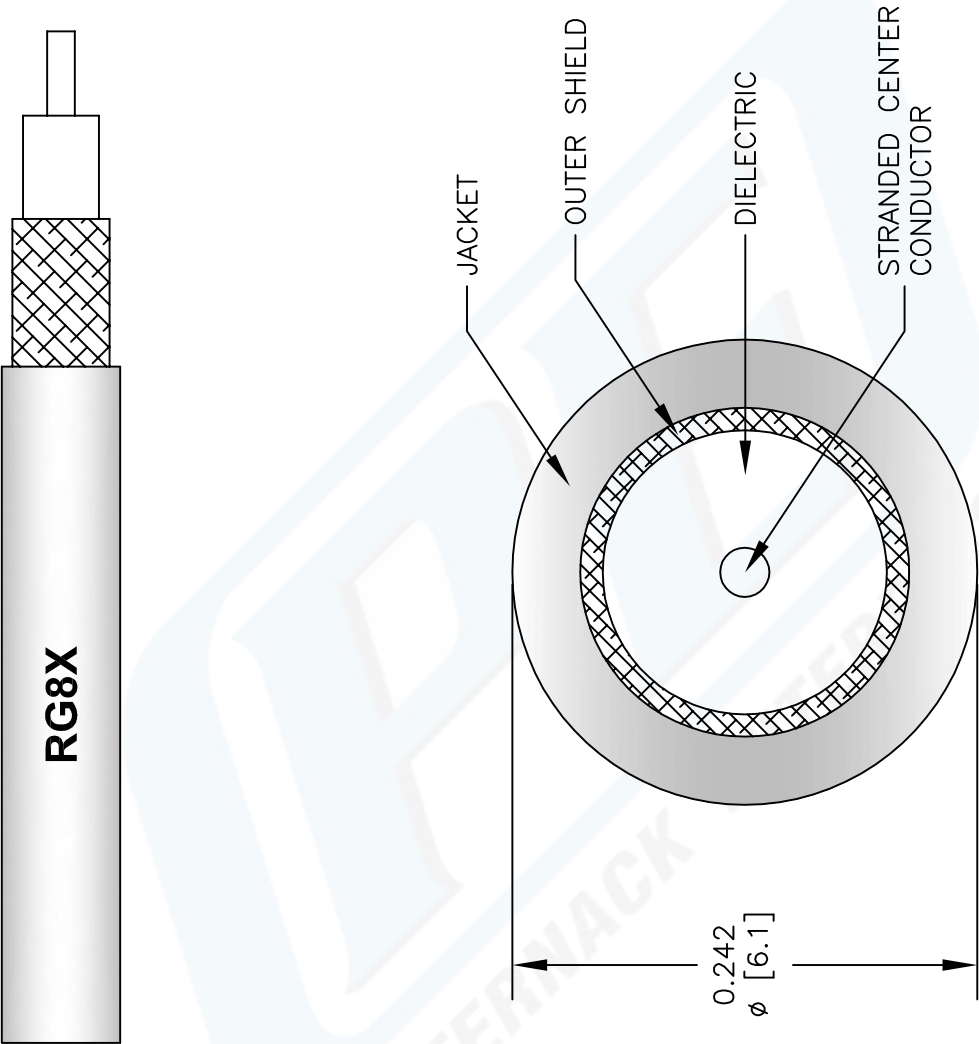
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

URL: <http://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.

RG8X CAD Drawing

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



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

SIZE A

147



Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)