

QMA Male QD 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-QM-X**

**Times Microwave Systems Connector Specification**

**Configuration**

- QD QMA Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

**Features**

- Max. Operating Frequency 8 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

EZ-240-QM-X QMA male coaxial connector has an interface type of QMA male LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, and PE-C240 and a 50 Ohms impedance. Pasternack's QMA male connector uses crimp/non-solder contact as an attachment method. Our male QMA coaxial connector provides a maximum frequency of 8 GHz.

The Pasternack QMA male coaxial connector has a PTFE dielectric type and a VSWR of 1.3:1. Pasternack's QMA coaxial connector has a brass body with tri-metal plating. Our EZ-240-QM-X QMA connector uses a gold plated beryllium copper 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 100 cycles or more. Our high-quality EZ-240-QM-X features an 80 µin minimum body plating specification. The Pasternack EZ-240-QM-X QMA connector operates at a temperature range of -40 to 125 deg C.

This Pasternack male QMA connector will ship the same business day as purchased. Our QMA 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		8	GHz
VSWR			1.3:1	
Insertion Loss			0.28	dB
Impedance		50		Ohms
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:  
Insertion Loss is  $0.1 \cdot \sqrt{\text{fGHz}}$  dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-QM-X](#)

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Attachment for LMR-240, LMR-240-DB, LMR-  
240-UF, LMR-240-FR, RG8X, PE-C240



## RF Connectors Technical Data Sheet



**EZ-240-QM-X**

### Mechanical Specifications

<b>Size</b>	
Length	1.07 in [27.28 mm]
Width	0.41 in [10.49 mm]
Height	0.41 in [10.49 mm]
Weight	0.10 lbs [45.36 g]
Mating Cycles	100 Cycles
Cable Retention Force	250 lbs 113.4 kg

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	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

<b>Temperature</b>	
Operating Range	-40 to +125 deg C
Shock	MIL-STD 202G, Meth.213, Cond I
Vibration	MIL-STD 202G, Meth.204, Cond.D
Thermal Shock	MIL-STD 202G, Meth.107, Cond.B

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

### Plotted and Other Data

Notes:

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QMA Male QD 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-QM-X**

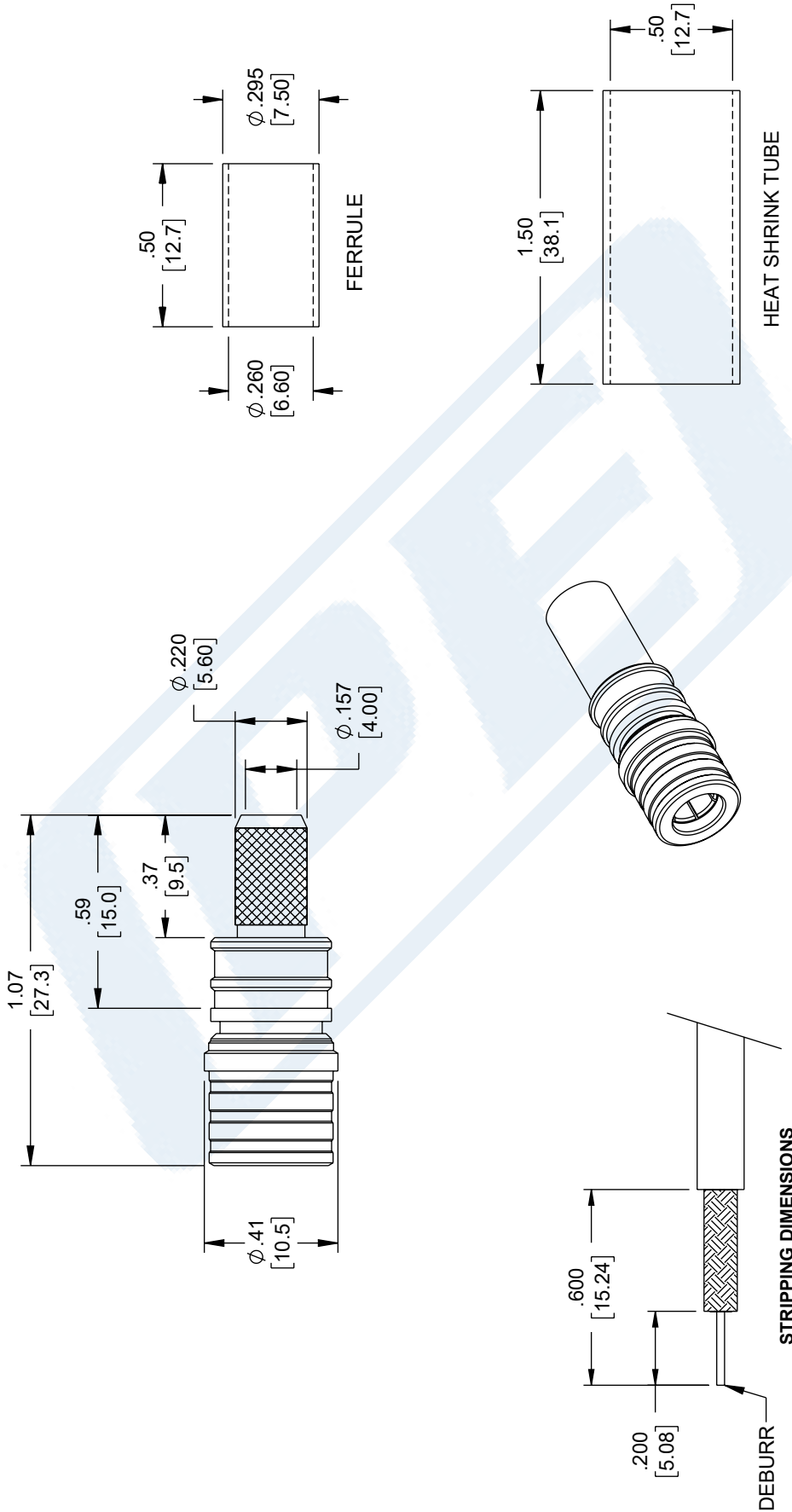
QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	5/18/2023	KDANG	AGANWANI



**NOTES:**

1. CABLE ATTACHMENT:  
OUTER: CRIMP.
2. CRIMP SIZE REQUIRED:  
FERRULE: .255 [6.48] HEX. CRIMP TOOL.

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LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

**TOLERANCES:**

.X = ± .2 [5]	FRACTIONS
.XX = ± .02 [ .5]	± 1/32
.XXX = ± .005 [ .13]	ANGLES ± 1°
<b>CABLE LENGTH TOLERANCES:</b>	
≤ 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  
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Website: [www.Pasternack.com](http://www.Pasternack.com)  
 Phone: 1.866.727.8376 | 1.949.261.1920

**DESCRIPTION**

QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240



INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE  
SHEET 1 OF 1

ITEM NO. EZ-240-QM-X

SIZE A CAGE CODE 53919

DRAWN BY KDANG

REV A

# QMA Male QD 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-QM-X**

### Times Microwave Systems Connector Specification

#### Configuration

- QD QMA Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

#### Features

- Max. Operating Frequency 8 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

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#### Electrical Specifications

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Dielectric Withstanding Voltage (DC)			1,000	Vdc
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:  
 Insertion Loss is 0.1\*SQRT(fGHz) dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-QM-X](#)

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Attachment for LMR-240, LMR-240-DB, LMR-  
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Crimp Sleeve	Brass	Tri-Metal 80 µin minimum

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<b>Temperature</b>	
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**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

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Attachment for LMR-240, LMR-240-DB, LMR-  
240-UF, LMR-240-FR, RG8X, PE-C240

## RF Connectors Technical Data Sheet



**EZ-240-QM-X**

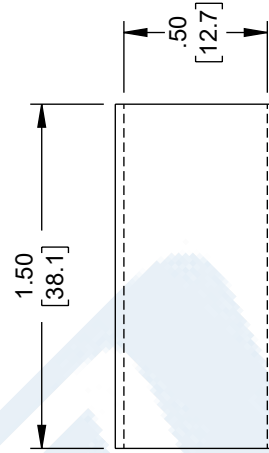
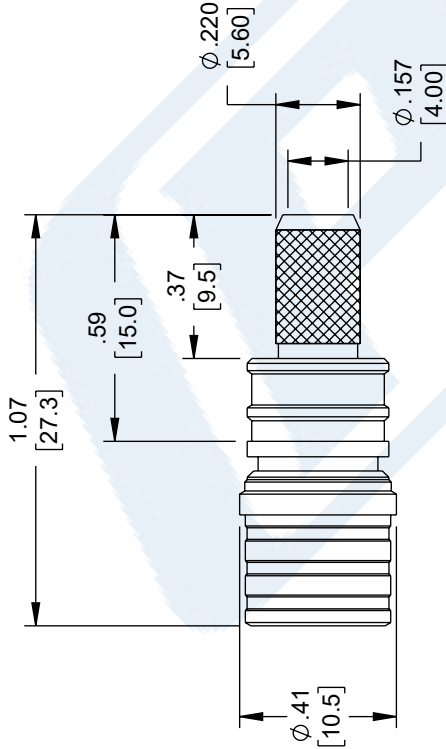
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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	5/18/2023	KDANG	AGANWANI



HEAT SHRINK TUBE

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CABLE LENGTH TOLERANCES:

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> 12 [305] ≤ 60 [1524] = +2 [51] / -0

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> 120 [3048] ≤ 300 [7620] = +6 [152] / -0

> 300 [7620] = +5% / -0

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NOTES:

1. CABLE ATTACHMENT:  
• OUTER: CRIMP.

2. CRIMP SIZE REQUIRED:

• FERRULE: .255 [6.48] HEX. CRIMP TOOL.

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an INFINITI brand

Website: [www.Pasternack.com](http://www.Pasternack.com)

Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240

SIZE A

CAGE CODE 53919

DRAWN BY KDANG

ITEM NO. EZ-240-QM-X

REV A

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1



Low Loss Flexible RG8X Type Coax Cable  
Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C240

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

**Configuration**

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Aluminum Tape, Tinned Copper Braid
Jacket Material and Color	PE, Black

**Electrical Specifications**

Impedance, Ohms	50
Velocity of Propagation, %	84
Maximum Operating Frequency, GHz	5.8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	24.2 [79.4]

**Electrical Specifications by Frequency**

**Frequency 1**

Frequency, MHz	150
Attenuation, dB/100ft [dB/100m]	3.4 [11.15]
Power Handling, Watts	660

**Frequency 2**

Frequency, MHz	450
Attenuation, dB/100ft [dB/100m]	5.95 [19.52]
Power Handling, Watts	380

**Frequency 3**

Frequency, MHz	900
Attenuation, dB/100ft [dB/100m]	8.58 [28.15]
Power Handling, Watts	260

**Frequency 4**

Frequency, GHz	1.5
Attenuation, dB/100ft [dB/100m]	11.18 [36.68]
Power Handling, Watts	200

**Frequency 5**

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	13 [42.65]
Power Handling, Watts	170

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket PE-C240](#)

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Low Loss Flexible RG8X Type Coax Cable  
Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C240

**Frequency 6**

Frequency, GHz	2.5
Attenuation, dB/100ft [dB/100m]	14.55 [47.74]
Power Handling, Watts	150

**Frequency 7**

Frequency, GHz	5.8
Attenuation, dB/100ft [dB/100m]	23 [75.46]
Power Handling, Watts	100

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-40 to +85
Storage Range, deg C	-40 to +85

**Inner Conductor**

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.057 [1.45]

**Dielectric:**

Type	PE (F)
Diameter, in [mm]	0.15 [3.81]

**Shield:**

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid
Diameter, in [mm]	0.178 [4.52]

**Jacket:**

Material	PE
Diameter, in [mm]	0.24 [6.1]
Color	Black
One Time Minimum Bend Radius, in [mm]	0.752 [19.1]
Repeated Minimum Bend Radius, in [mm]	2.5 [63.5]
Weight, lbs/ft [Kg/m]	0.033 [0.05]

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket PE-C240](#)

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Low Loss Flexible RG8X Type Coax Cable  
Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C240

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE 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.

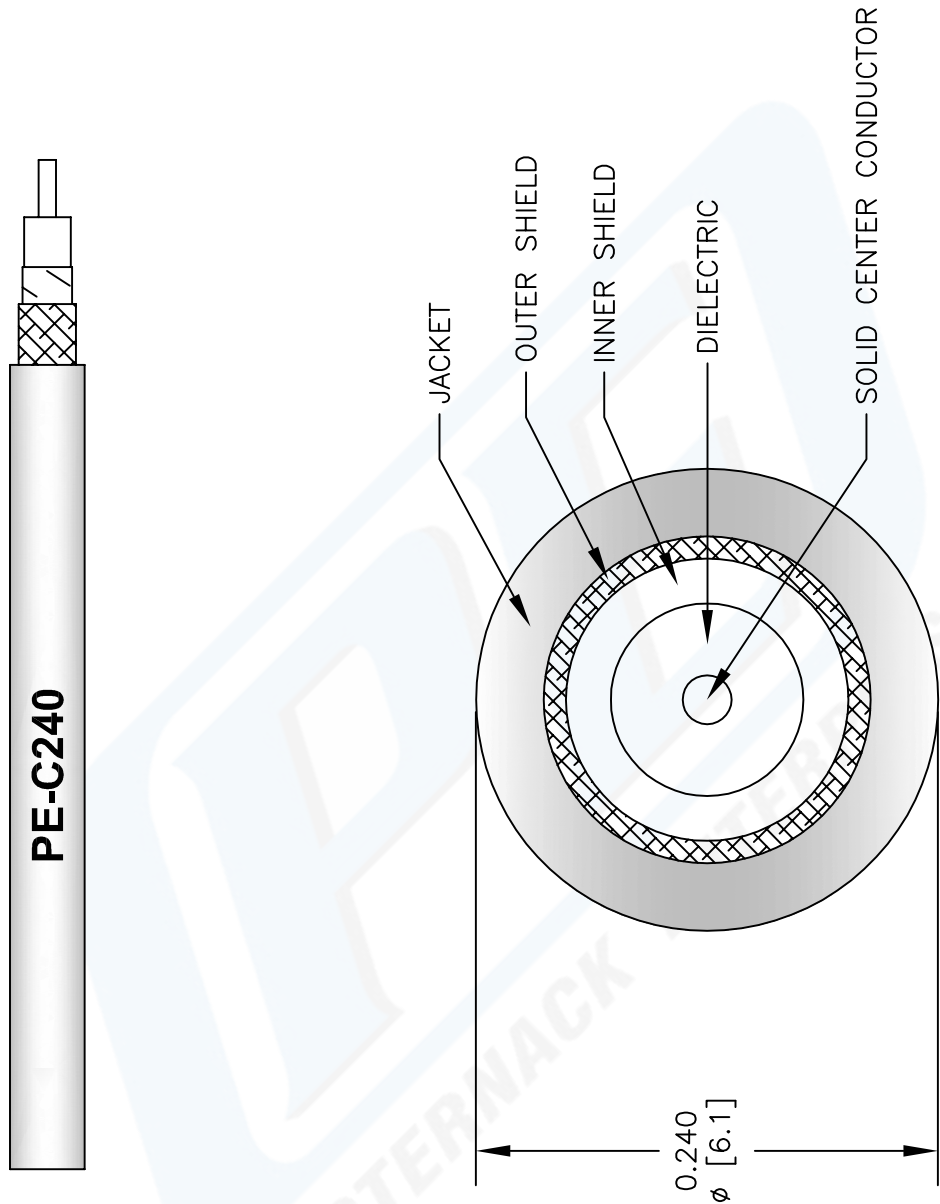
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URL: <http://www.pasternack.com/flexible-0.240-50-ohm-coax-cable-pe-jacket-pe-c240-p.aspx>

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PE-C240 CAD Drawing

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket



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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE  
**PE-C240**

REV. B	FSCM NO. 53919
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CAD FILE	050709	SCALE	N/A	SIZE	A	147
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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)