



## 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

<b>Size</b>	
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.

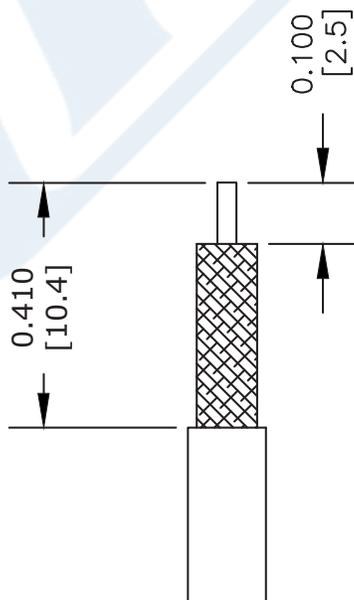
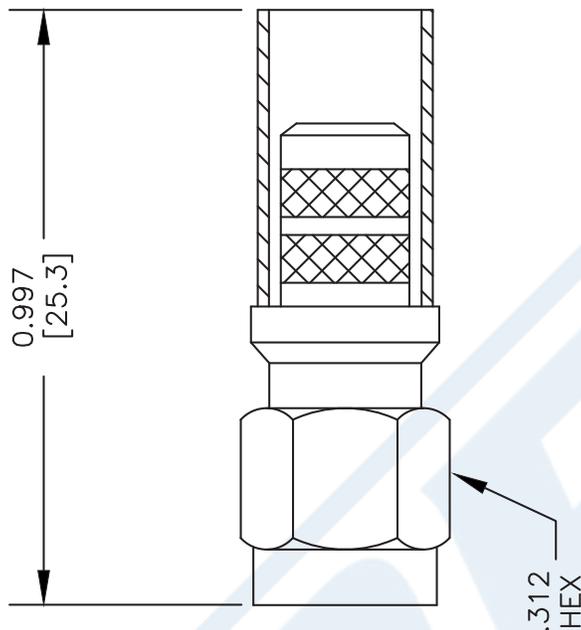
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male Connector Crimp/Solder Attachment for RG8X, PE-C240, LMR-240 PE44664](#)

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

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.

# 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**

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.

FSCM NO. 53919

CAD FILE 102009

SCALE N/A

SIZE A

XXXX



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 P.O. Box 16759 | Irvine | CA | 92623  
 Phone: (949) 261-1920 | Fax: (949) 261-7451  
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N Male Right Angle 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

PE44525

### Configuration

- N Male Connector
- 50 Ohms
- Right Angle 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 11 GHz
- Gold Plated Brass Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44525 type N male right angle 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 type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE44525 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		11	GHz

### Mechanical Specifications

<b>Size</b>	
Length	1.21 in [30.73 mm]
Width/Dia.	0.83 in [21.08 mm]
Height	1.117 in [28.37 mm]
Weight	0.097 lbs [44 g]

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/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44525](#)



N Male Right Angle 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

PE44525

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

Notes:

N Male Right Angle 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.

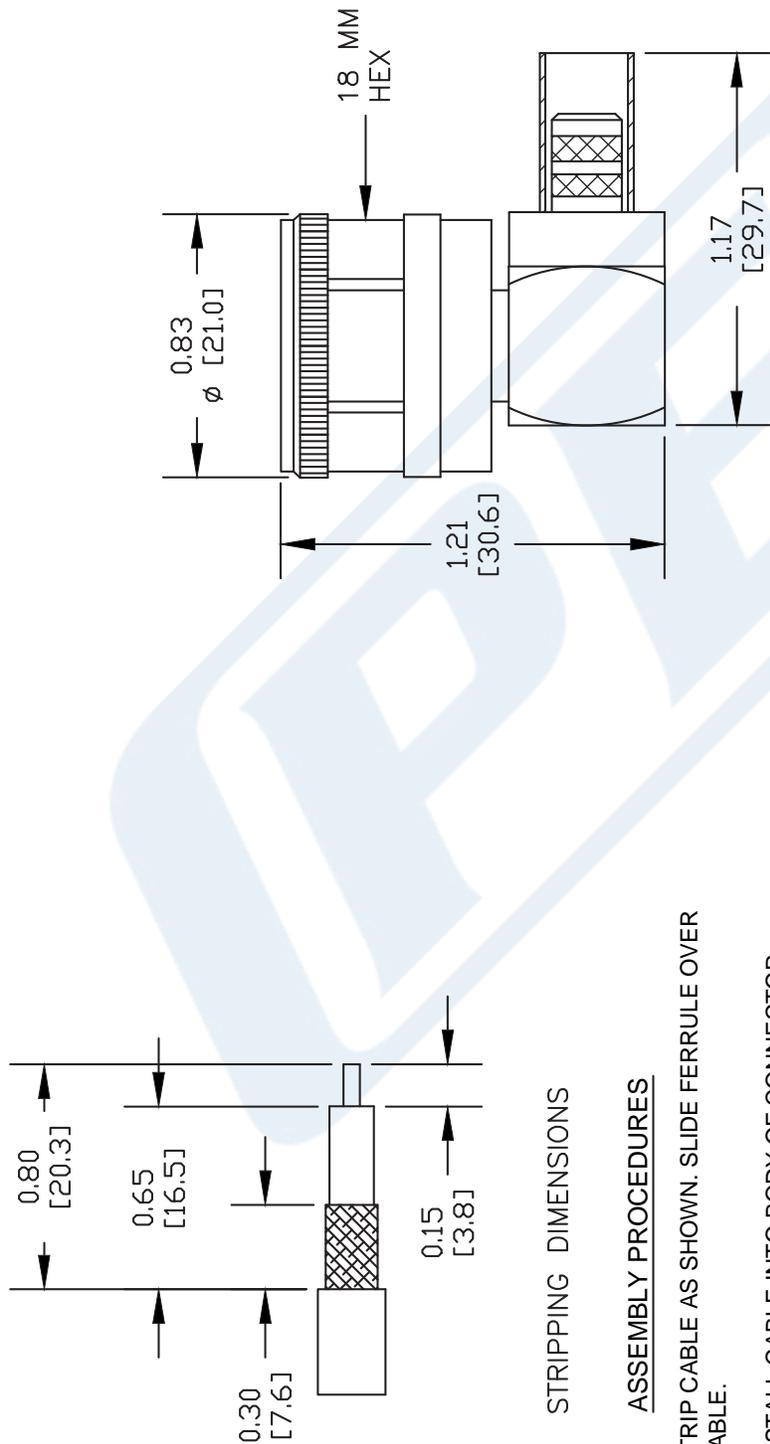
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44525](#)

URL: <https://www.pasternack.com/n-male-standard-pe-c240-0.240-connector-pe44525-p.aspx>

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# PE44525 CAD Drawing

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



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & SCREW

## CRIMP SIZE REQUIRED

FERRULE: .255" HEX CRIMP TOOL



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DWG TITLE

**PE44525**

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. B

FSCM NO. 53919

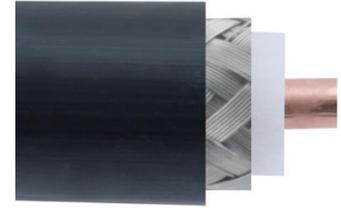
CAD FILE 081711

SCALE N/A

SIZE A

2231

## Low PIM Flexible TCOM-240-FR Fire Rated Coax Cable Triple Shielded with Black FRPE Jacket



### TCOM-240-FR

#### Configuration

- Low PIM, Fire Rated Flexible Cable
- 3 Shield(s)

#### Features

- Lightweight and Extremely Flexible
- PIM < -155 dBc
- RF Shielding >100 dB
- Low Loss Dielectric 84% VoP
- Fire Rated Jacket
- Non-Halogen (Non-Toxic)

#### Applications

- Wireless Base Station Interconnect
- Distributed Antenna Systems (DAS)
- Antenna Jumpers
- UL/NEC & CSA rating of 'CMR' and 'FT4'
- Low Smoke Requirements
- Small Cell
- Indoor-Riser CMR

#### Description

The TCOM-240-FR part number from Pasternack is a TCOM-240 low PIM coax cable that is flexible. Pasternack flexible coax RF cable has an impedance of 50 Ohm and a foam polyethylene dielectric. Our TCOM-240 coax cable is constructed with a 0.240-inch jacket made of polyethylene. This coaxial cable has a dielectric withstanding voltage of 1500 Vdc. This black low PIM coax cable has a nominal capacitance of 24.20 pF/Ft.

This TCOM-240 flexible RF cable has a shield count of 3. Our coax cable from Pasternack has a maximum frequency of 18 GHz. The maximum passive intermodulation of this low PIM cable is -155 dBc. Additional specifications for this TCOM-240-FR RF coaxial cable are on our downloadable PDF datasheet above. This low PIM RF cable has a one-time minimum bend radius of 0.75 inches and a repeat minimum bend radius of 2.5 inches. Our flexible 50 Ohm coax cable has a peak power rating of 5600 watts.

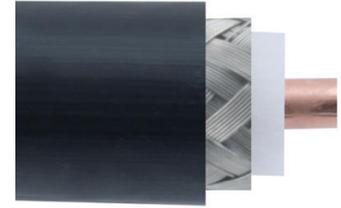
Our TCOM-240 coax cable can operate at temperatures ranging from -40 to 85 deg C. The black-colored coax RF cable has a typical insertion loss/attenuation of 3, 5.3, 7.5, 12, 19, 28, and 40 dB/100ft at frequencies of 150 MHz, 450 MHz, 900 MHz, 2000 MHz, 5000 MHz, 10000 MHz and 18000 MHz respectively. Our TCOM-240-FR flexible RF cable has a solid copper center conductor. This coaxial cable features a dual shield of tinned copper braid over the silver plated copper braid.

Pasternack TCOM-240 low PIM coax cables are part of our RF, microwave, and millimeter wave components. These flexible cables and our other RF parts are available for same-day shipping worldwide. Custom RF cable assemblies using TCOM-240, or other coax can be built and shipped the same business day as well.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Velocity of Propagation		84		%
Time Delay		1.21 [3.97]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Passive Intermodulation			-155	dBc

## Low PIM Flexible TCOM-240-FR Fire Rated Coax Cable Triple Shielded with Black FRPE Jacket



### TCOM-240-FR

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms
Inner Conductor DC Resistance			3.2	Ohms/1000ft
Outer Conductor DC Resistance			2.06	Ohms/1000ft
Nominal Capacitance		24.2 [79.4]		pF/ft [pF/m]
Nominal Inductance		0.06 [0.2]		uH/ft [uH/m]
Input Power (Peak)			5.6	kWatts

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.15	0.45	0.9	2	5	GHz
Attenuation, Typ	3	5.3	7.5	12	19	dB/100ft dB/100m
	9.84	17.39	24.61	39.37	62.34	

Description	F6	F7	F8	F9	F10	Units
Frequency	10	18				GHz
Attenuation, Typ	28	40				dB/100ft dB/100m
	91.86	131.23				

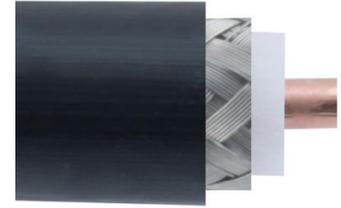
#### Mechanical Specifications

Diameter	0.24 in [6.1 mm]
Weight	0.045 lbs/ft [0.07 kg/m]
Min. Bend Radius (Installation)	0.75 in [19.05 mm]
Min. Bend Radius (Repeated)	2.5 in [63.5 mm]
Bending Moment	0.25 lbs-ft [0.34 N-m]
Tensile Strength	80 lbs [36.29 kg]
Flat Plate Crush	20 lbs/in [0.36 kg/mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.056 in [1.42 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.15 in [3.81 mm]
First Shield	Silver Plated Copper Braid	0.16 in [4.06 mm]
Second Shield	Tinned Copper Braid	0.188 in [4.78 mm]
Jacket	FRPE, Black	0.24 in [6.1 mm]

## Low PIM Flexible TCOM-240-FR Fire Rated Coax Cable Triple Shielded with Black FRPE Jacket



### TCOM-240-FR

#### Environmental Specifications

##### Temperature

Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

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

#### Plotted and Other Data

Notes:

Low PIM Flexible TCOM-240-FR Fire Rated Coax Cable Triple Shielded with Black FRPE 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.

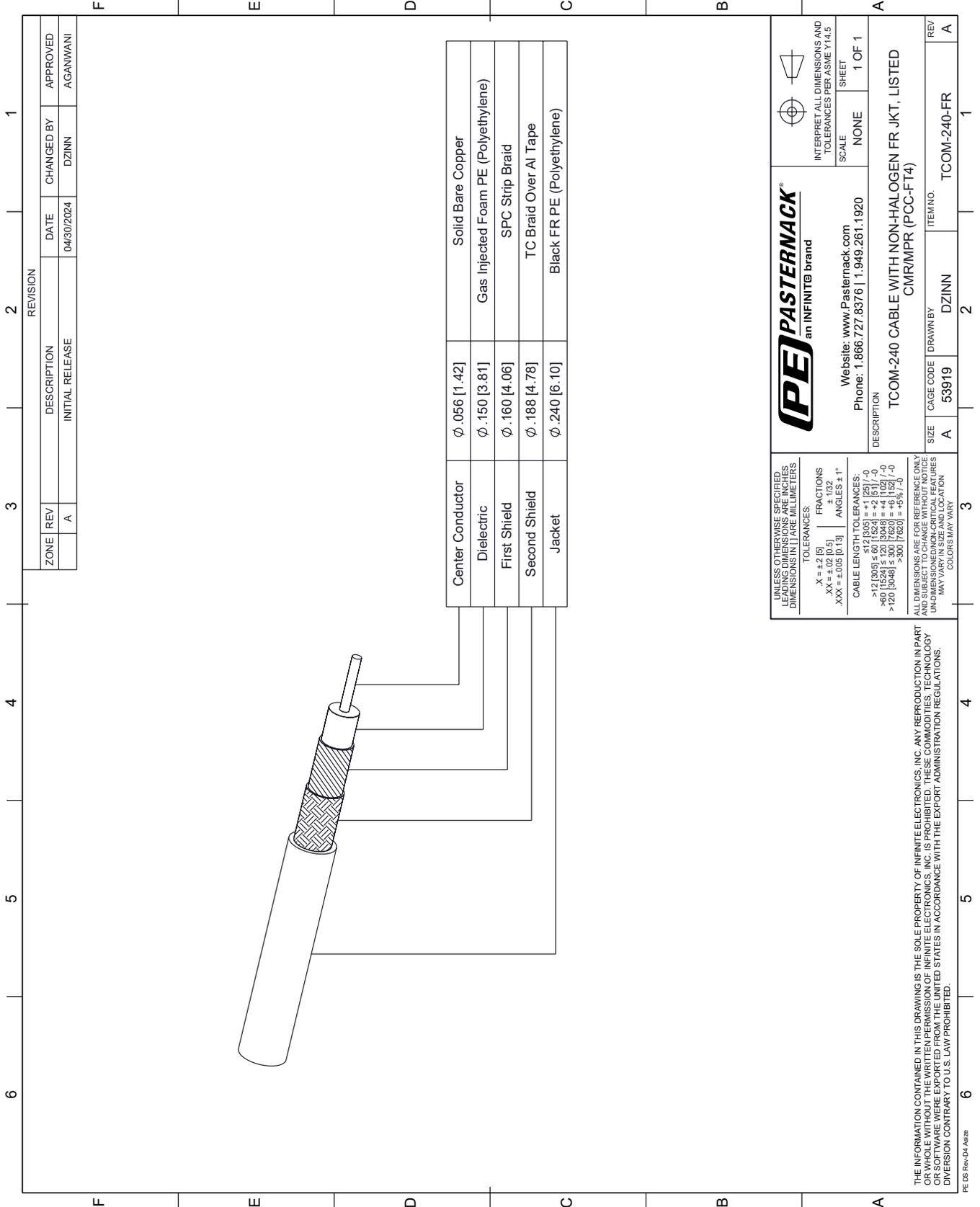
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM Flexible TCOM-240-FR Fire Rated Coax Cable Triple Shielded with Black FRPE Jacket TCOM-240-FR](#)

URL: <https://www.pasternack.com/tcom240-low-pim-flexible-coax-cable-pe-jacket-tcom-240-p.aspx>

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# TCOM-240-FR CAD Drawing

Low PIM Flexible TCOM-240-FR Fire Rated Coax Cable Triple Shielded with Black FRPE Jacket



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	04/30/2024	DZINN	AGANWANI

**UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS**

**TOLERANCES:**  
 .X = ±.2 [5]      FRACTIONS ± 1/32  
 .XX = ±.02 [0.5]      ANGLES ± 1°  
 .XXX = ±.005 [0.13]

**CABLE LENGTH TOLERANCES:**  
 <12 [305] ≤ 60 [1524] = ±1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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an INFINIT® brand

Website: [www.Pasternack.com](http://www.Pasternack.com)  
 Phone: 1.866.727.8376 | 1.949.261.1920

SCALE: NONE  
SHEET: 1 OF 1

DESCRIPTION	SIZE	CAGE CODE	DRAWN BY	ITEM NO.
TCOM-240 CABLE WITH NON-HALOGEN FR JKT., LISTED CMR/MPR (PCC-FT4)	A	53919	DZINN	TCOM-240-FR

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