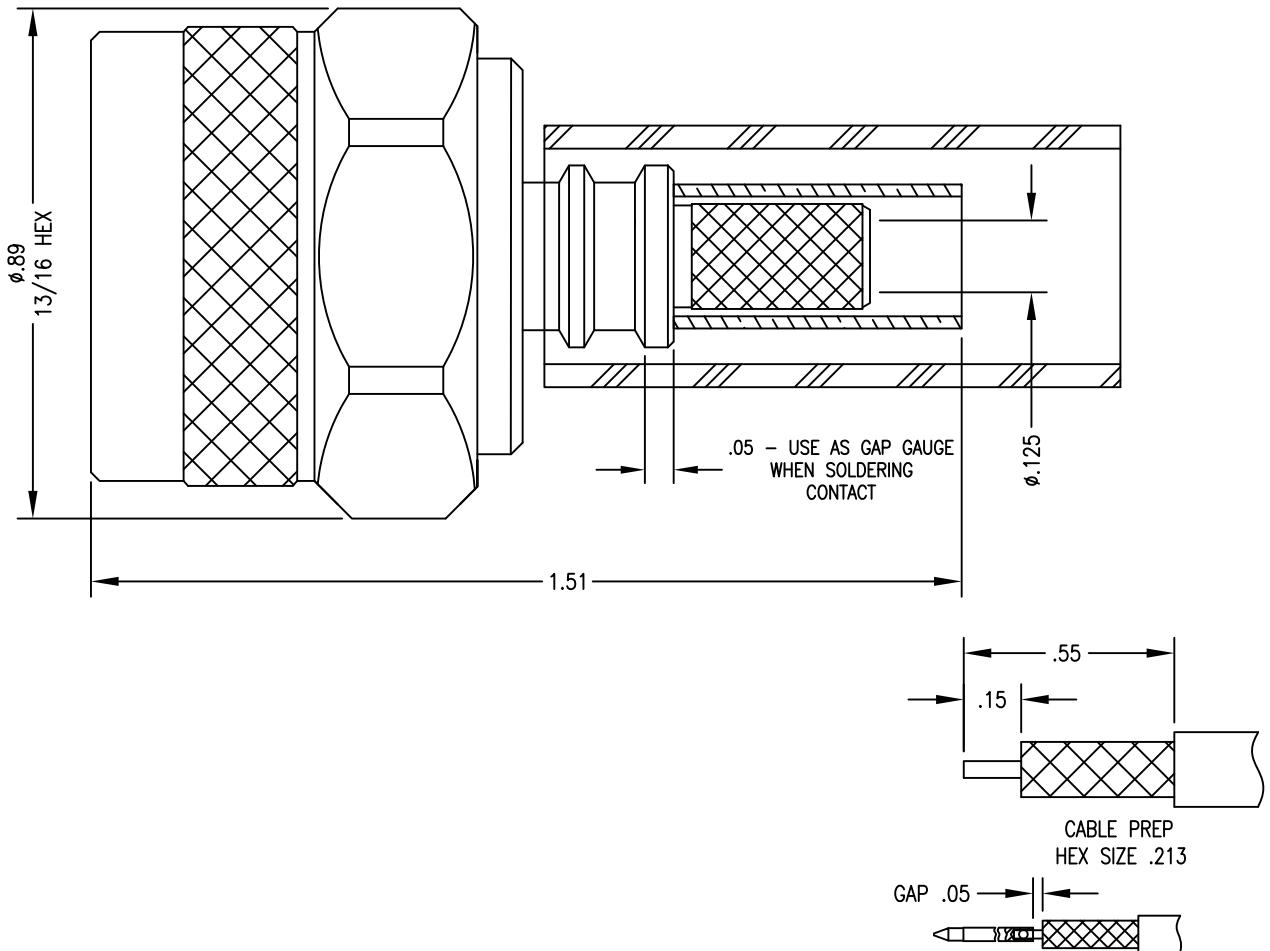


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	n.n.n	2/13/14	J.D.B.	2/14/14
B	CHANGED PER CDC #40047	n.n.n	6/6/14	J.D.B.	6/6/14



#### 1.0 PERFORMANCE

- 1.1 FREQUENCY RANGE: DC-6 GHz
- 1.2 NOMINAL IMPEDANCE: 50 OHMS
- 1.3 DWV: 1,000 VRMS @ 60 Hz (SEA LEVEL)
- 1.4 TEMPERATURE RANGE: -65°C TO +165°C

#### 2.0 MATERIALS

- 2.1 DIELECTRIC: PTFE
- 2.2 CONTACT: BRASS
- 2.3 LOCKING RING: PHOSPHOR BRONZE
- 2.4 CRIMP FERRULE: SOFT COPPER
- 2.5 OTHER METAL PARTS: BRASS
- 2.6 GASKET: SILICONE RUBBER
- 2.7 HEAT SHRINK: POLYOLEFIN THICK WALL

#### 3.0 FINISHES: SEE TABLE

- 4.0 MECHANICAL
- 4.1 INTERFACE PER MIL-STD-348

BODY	CONTACT
ALBALOY	GOLD/NI

MATERIALS	UNLESS OTHERWISE SPECIFIED		DFTM: N. N. N DATE: 2/13/14 CHKD: J. D. B. DATE: 2/14/14 APPD: J. D. B.	TIME MICROWAVE SYSTEMS  TC-200-NMH-X NM FOR LMR-200 CABLE
	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .03      XXX ± .005 ANGLES ± 1°      FRACTIONS ± 1/32			
USED ON: D	SCALE: N/A	DWG SIZE: A	DO NOT SCALE DRAWING	CODE IDENT: 68999 DATE: 2/14/14
			SH. 1 of 1	REV. B



## N Male Right Angle Connector Crimp/Solder Attachment for PE-C200, LMR-200

### RF Connectors Technical Data Sheet

PE44844

#### Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- PE-C200, LMR-200 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 PE44844 type N male right angle connector with crimp/solder attachment for PE-C200 and LMR-200 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 PE44844 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

Size	
Length	1.103 in [28.02 mm]
Width/Dia.	0.9 in [22.86 mm]
Weight	0.103 lbs [46.72 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-C200, LMR-200 PE44844](#)



## N Male Right Angle Connector Crimp/Solder Attachment for PE-C200, LMR-200

### RF Connectors Technical Data Sheet

PE44844

#### Material Specifications

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

#### 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-C200, LMR-200 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.

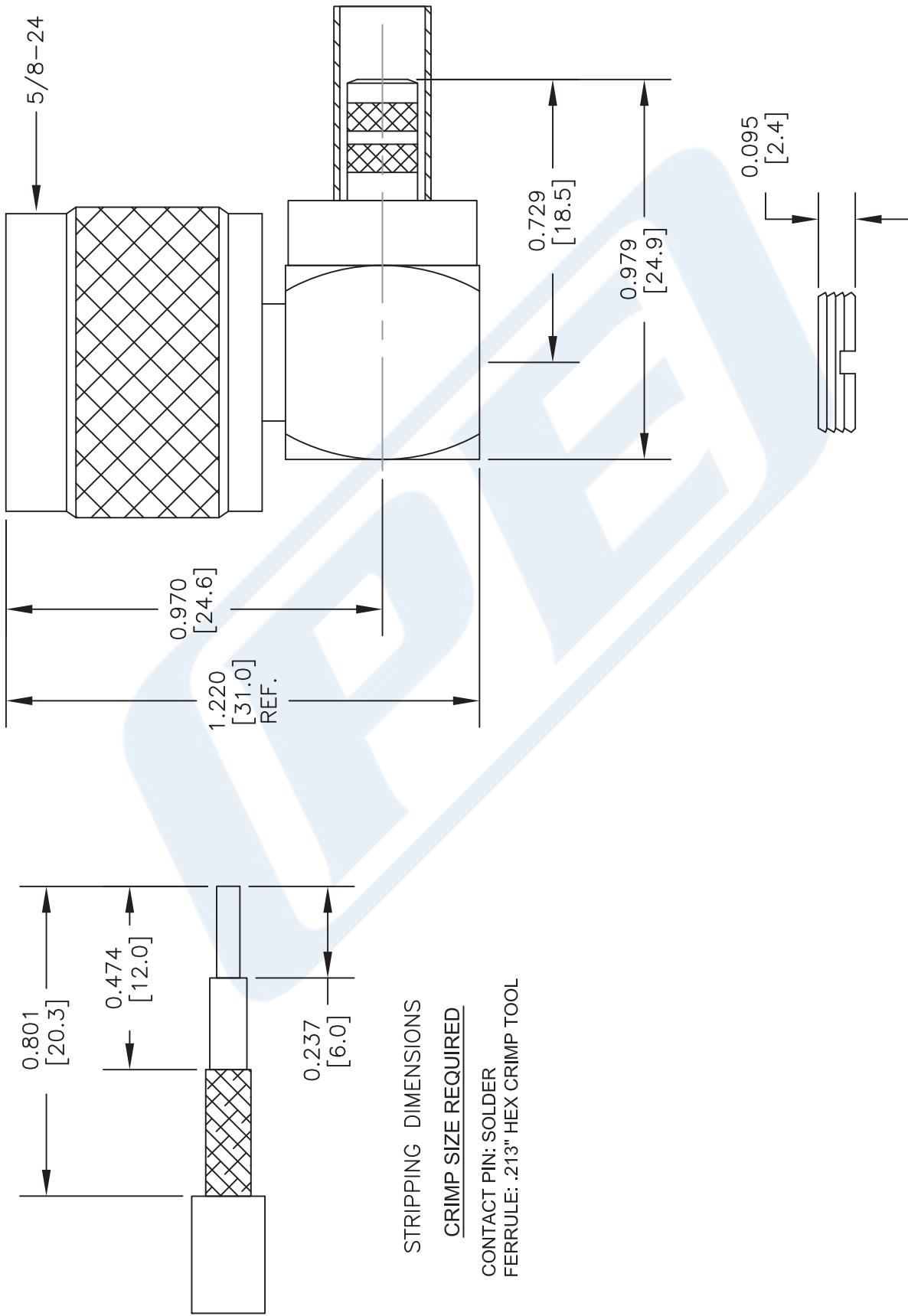
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for PE-C200, LMR-200 PE44844](#)

URL: <https://www.pasternack.com/n-male-standard-pe-c200-lmr-200-connector-pe44844-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.

# PE44844 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment for PE-C200, LMR-200



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.

PASTERNACK®	DWG TITLE
<b>PE</b>	<b>PE44844</b>
Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>	CAD FILE 112213
FSCM NO. 53919	SCALE N/A
	SIZE A
	2233

## Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

### TECHNICAL DATA SHEET

PE-C200

Low Loss Flexible .200 inch Foam Dielectric 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, %	83
Maximum Operating Frequency, GHz	5.8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	24.5 [80.38]
Maximum Operating Voltage, Volts	1,000
Dielectric Withstanding Voltage, Vdc	1,000
Jacket Spark, Vrms	3,000
Peak Power, KWatts	2.5

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	50
Attenuation, dB/100ft [dB/100m]	2.3 [7.55]
Power Handling, Watts	790

##### Frequency 2

Frequency, MHz	150
Attenuation, dB/100ft [dB/100m]	4 [13.12]
Power Handling, Watts	450

##### Frequency 3

Frequency, GHz	1.5
Attenuation, dB/100ft [dB/100m]	12.9 [42.32]
Power Handling, Watts	140

##### Frequency 4

Frequency, GHz	2.5
Attenuation, dB/100ft [dB/100m]	16.9 [55.45]
Power Handling, Watts	110

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 .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C200](#)

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.

## Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

### TECHNICAL DATA SHEET

PE-C200

#### Frequency 5

Frequency, GHz	5.8
Attenuation, dB/100ft [dB/100m]	26.4 [86.61]
Power Handling, Watts	70

#### Mechanical Specifications

##### Temperature

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

##### Inner Conductor

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.044 [1.12]

##### Dielectric:

Type	PE (F)
Diameter, in [mm]	0.116 [2.95]

##### Shield:

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid
Diameter, in [mm]	0.144 [3.66]

##### Jacket:

Material	PE
Diameter, in [mm]	0.195 [4.95]
Color	Black
Weight, lbs/ft [Kg/m]	0.022 [0.03]

#### 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 .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C200](#)

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## Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

### TECHNICAL DATA SHEET

PE-C200

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

Low Loss Flexible .200 inch Foam Dielectric 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.

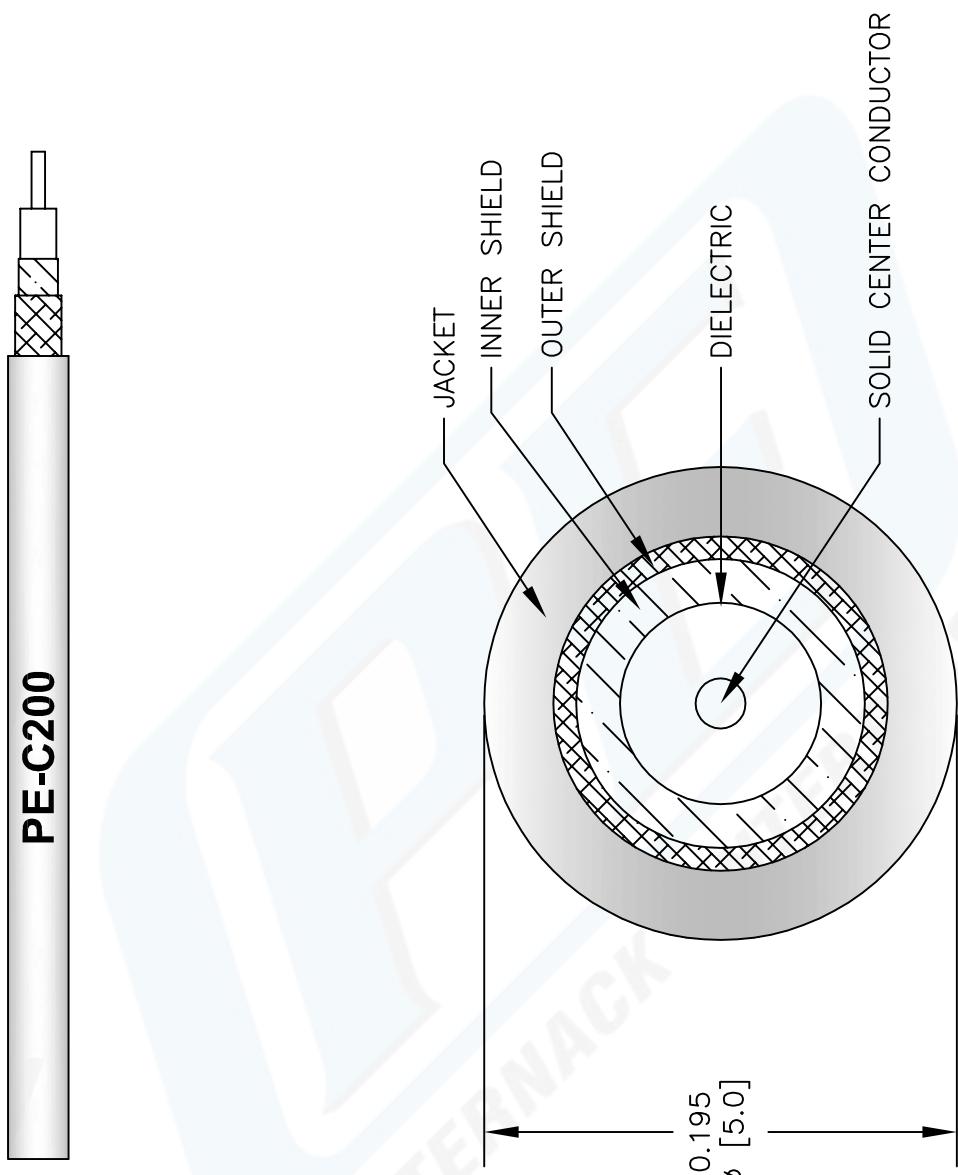
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C200](#)

URL: <http://www.pasternack.com/flexible-0.195-50-ohm-coax-cable-pe-jacket-pe-c200-p.aspx>

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# PE-C200 CAD Drawing

Low Loss Flexible .200 inch Foam Dielectric 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-C200
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FSCM NO.	53919	CAD FILE	040113-A	SCALE	N/A	SIZE	A
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**PE PASTERNACK®**  
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