



RP N Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

## RF Connectors Technical Data Sheet

PE44470

### Configuration

- N Male Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Phosphor Bronze Contact
- Reverse Polarity

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44470 RP type N male connector with crimp/solder attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF and 0.400 inch 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 type N male connector operates up to a maximum frequency of 11 GHz.

Our reverse polarity type N male connector PE44470 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	1.48 in [37.59 mm]
Width/Dia.	0.8 in [20.32 mm]
Weight	0.082 lbs [37.19 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP N Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch PE44470](#)



RP N Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

## RF Connectors Technical Data Sheet

PE44470

### Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	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:

RP N Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch 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.

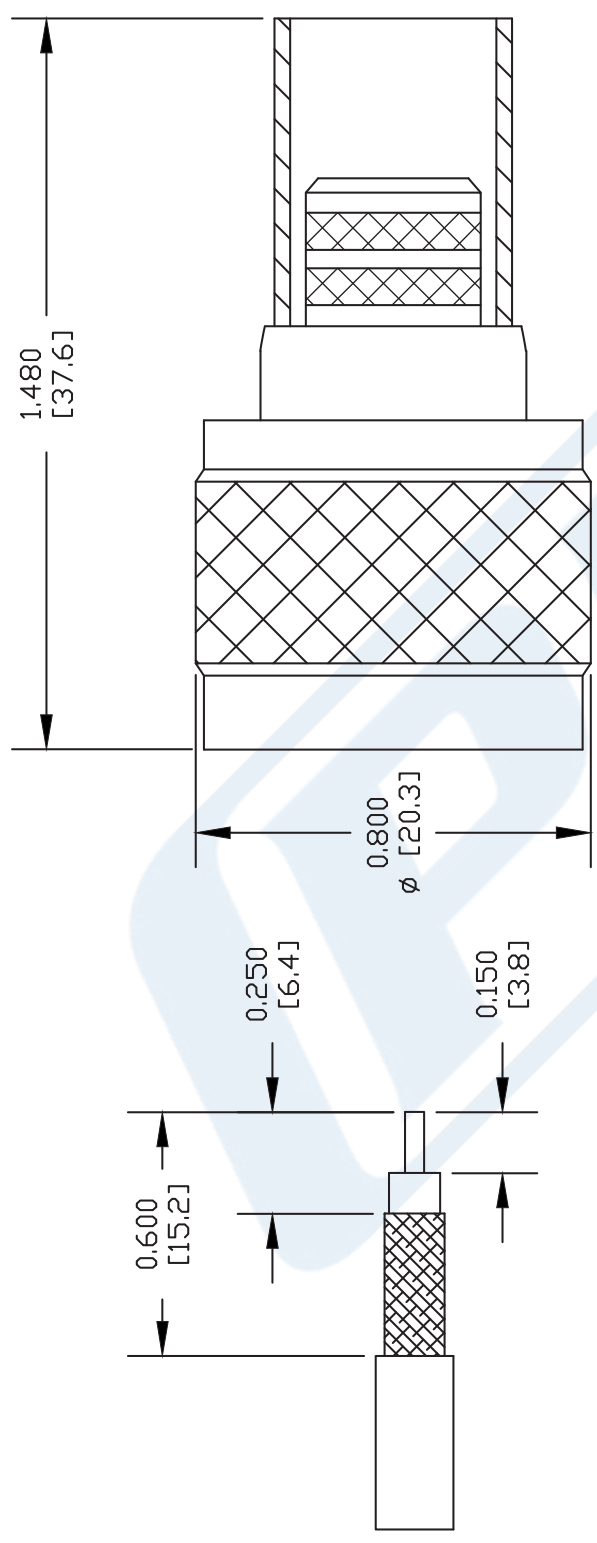
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URL: <https://www.pasternack.com/n-male-reverse-polarity-pe-b400-pe-b405-pe-c400-connector-pe44470-p.aspx>

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.

PE44470 CAD Drawing

RP N Male Connector Crimp/Solder Attachment for PE-C400, PE-B400,  
PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: .429" HEX CRIMP TOOL



**PASTERNAK®**  
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DWG TITLE  
**PE44470**

FSCM NO. 53919

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.

CAD FILE 050709

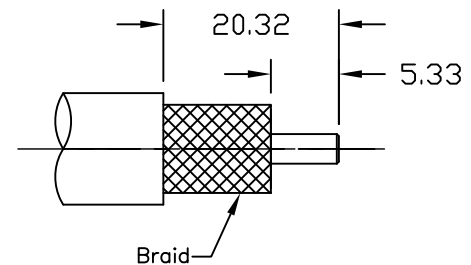
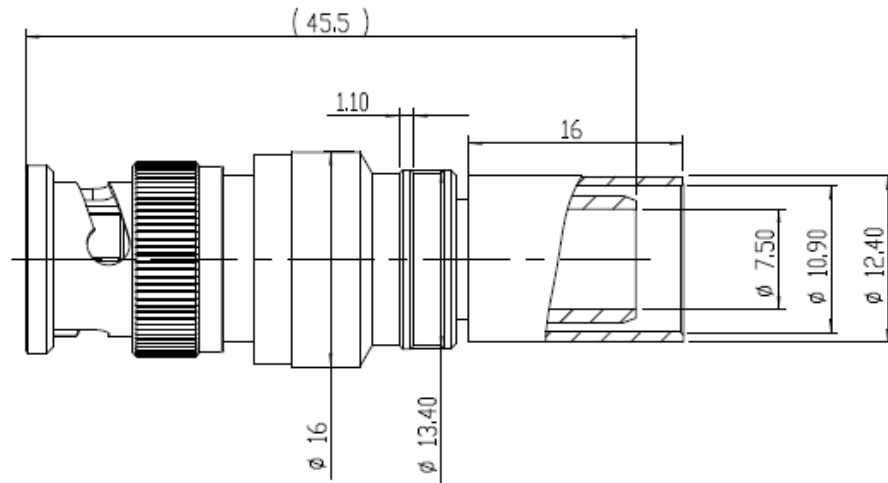
SCALE N/A

SIZE A

127

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	8/6/13	J.D.B.	8/9/13



Reference standard IEC60169-8

**I. Electric Performance**

Nominal Impedance( $\Omega$ ): 50  
Frequency Range: DC-4GHz  
VSWR:  $\leq 1.35$   
Insert Loss:  $\leq 0.1$   
Insulation resistance ( $M\Omega$ ):  $\geq 5000$   
Withstand voltage (V): 1500  
Conductor resistance ( $m\Omega$ ):  
outer conductor  $< 0.4$   
inner conductor  $< 1.5$

**II. Mechanical Performance**

Tensile force(cable-connect) 400N  
Torsion(cable-connect) 2N.m

**III. Material and plating :**

Component  
inner conductor Material Spring copper  
outer conductor Brass  
insulator PTFE  
o-ring Silicone rubber

Plating  
Au 1.27um  
Copper-tin-zinc 2um

**IV. Environment**

Temp.range -55°C~+155°C  
Weather standard IEC 60068 55 / 155/ 56  
Thermal shock US MIL-STD 202,Meth.107,Cond.B  
Vibration US MIL-STD 202,Meth.204,Cond.B  
Shock US MIL-STD 202,Meth.213,Cond.I  
ROHS compliant

V. Assemble: inner conductor installed and outer conductor crimped

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. N. N. N	TIMES MICROWAVE SYSTEMS		
		DATE 8/6/13			
USED ON: ~	ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS N/A MAX. BREAK MACHINE CORNERS N/A MAX. FILLET R. TOLERANCES ON DECIMALS . XX $\pm$ N/A . XXX $\pm$ N/A ANGLES $\pm$ N/A FRACTIONS $\pm$ N/A	CHKD. J. D. B.	<b>EZ-400-BM-X</b> BNCM for LMR-400		
		DATE 8/9/13			
SCALE: N/A	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 8/9/13	SHIT 1 of 1 SD3190-2852 REV A



## Low Loss Flexible RG8 Type Coax Cable Double Shielded with Black PE Jacket

### RF Cables Technical Data Sheet

PE-C400

#### Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		85		%
Shielding Effectiveness	90			dB
Inner Conductor DC Resistance			1.39	Ohms/1000ft
Outer Conductor DC Resistance			1.85	Ohms/1000ft
Nominal Capacitance		23.9 [78.41]		pF/ft [pF/m]
Nominal Inductance		0.059 [0.19]		uH/ft [uH/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	150	220	450	750	900	MHz
Attenuation, Typ	1.5	1.9	2.7	3.55	3.9	dB/100ft
	4.92	6.23	8.86	11.65	12.8	dB/100m
Input Power (CW), Max	1,280	1,050	720	560	500	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	5.1	5.7	6	6.8	10.8	dB/100ft
	16.73	18.7	19.69	22.31	35.43	dB/100m
Input Power (CW), Max	380	340	330	290	180	Watts

#### Mechanical Specifications

Diameter	0.405 in [10.29 mm]
Weight	0.064 lbs/ft [0.1 Kg/m]

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 RG8 Type Coax Cable Double Shielded with Black PE Jacket PE-C400](#)



Low Loss Flexible RG8 Type Coax Cable  
Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet

PE-C400

Min. Bend Radius (Repeated) 4 in [101.6 mm]

**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.108 in [2.74 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.285 in [7.24 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	0.32 in [8.13 mm]
Jacket	PE, Black	0.405 in [10.29 mm]

**Environmental Specifications**

**Temperature**

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

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

**Plotted and Other Data**

Notes:

Low Loss Flexible RG8 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 millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

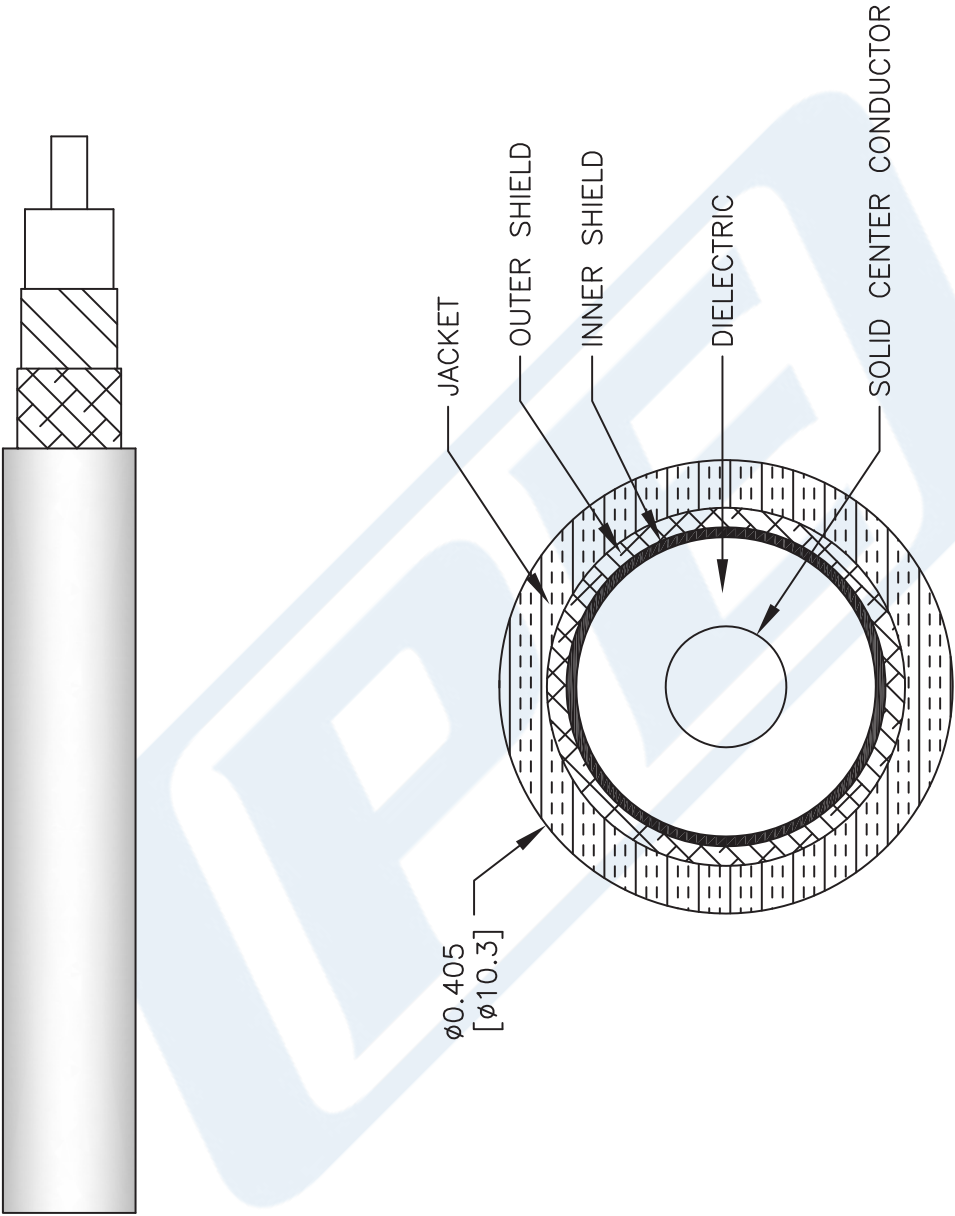
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URL: <https://www.pasternack.com/flexible-0.405-50-ohm-coax-cable-pe-jacket-pe-c400-p.aspx>

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PE-C400 CAD Drawing

Low Loss Flexible RG8 Type Coax Cable Double Shielded with Black PE Jacket



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DWG TITLE  
**PE-C400**

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE

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