



N Male Right Angle 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

PE44526

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle 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
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44526 type N male right angle 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. Our type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.5:1. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE44526 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
VSWR			1.5:1	
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB

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-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch PE44526](#)



N Male Right Angle 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

PE44526

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 10					GHz
Insertion Loss, Max	0.15					dB

Mechanical Specifications

Size

Length	1.31 in [33.27 mm]
Width/Dia.	0.83 in [21.08 mm]
Height	1.31 in [33.27 mm]
Weight	0.109 lbs [49.44 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Vibration	MIL-STD-202, Method 204, Condition B
Temperature Cycle	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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N Male Right Angle 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

PE44526

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

Plotted and Other Data

Notes:

N Male Right Angle 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.

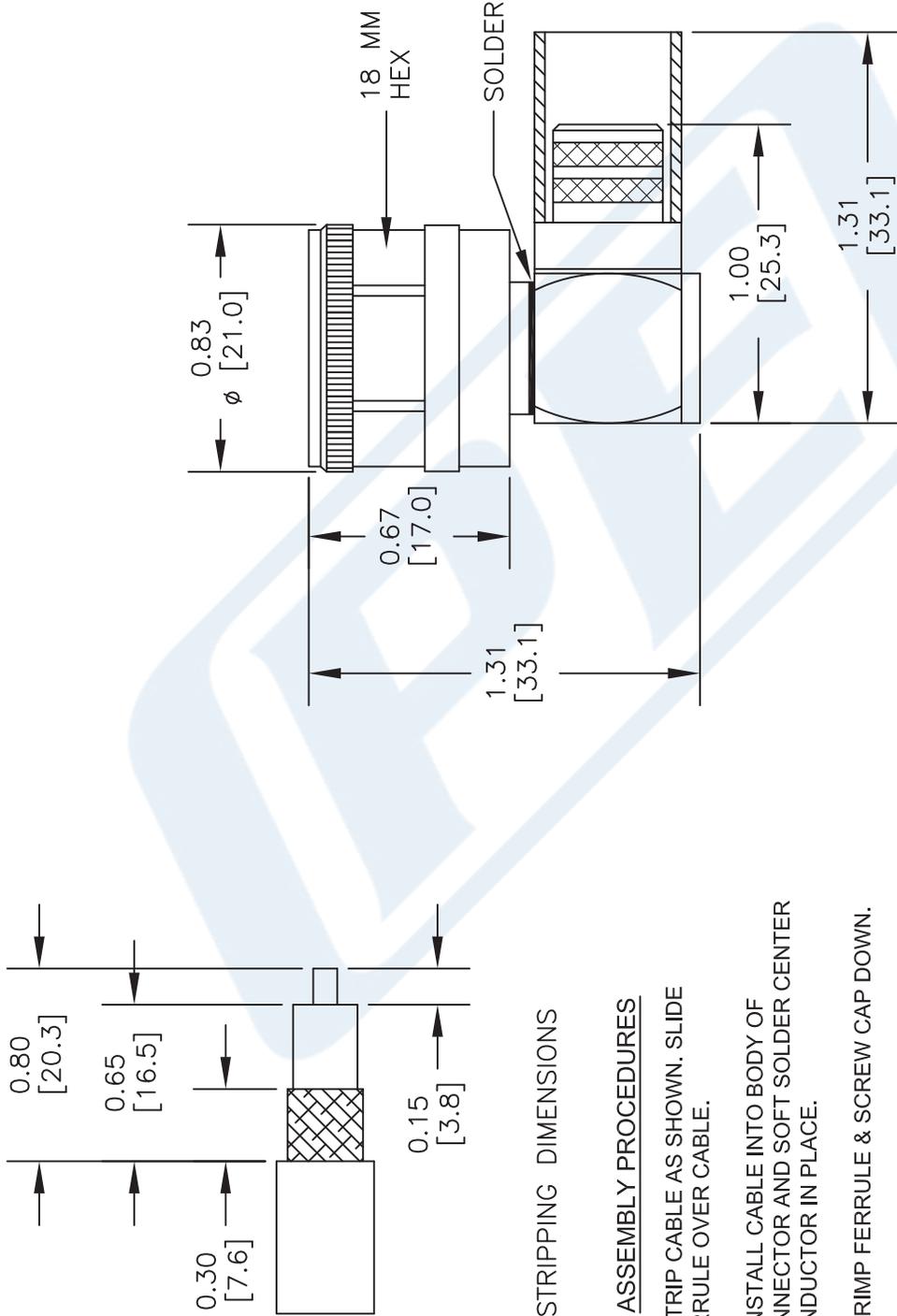
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URL: <https://www.pasternack.com/n-male-standard-pe-c400-0.400-connector-pe44526-p.aspx>

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.

PE44526 CAD Drawing

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



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 CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .429" HEX CRIMP TOOL

DWG TITLE

PE44526

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].

CAD FILE 040416

SCALE N/A

SIZE A

3045

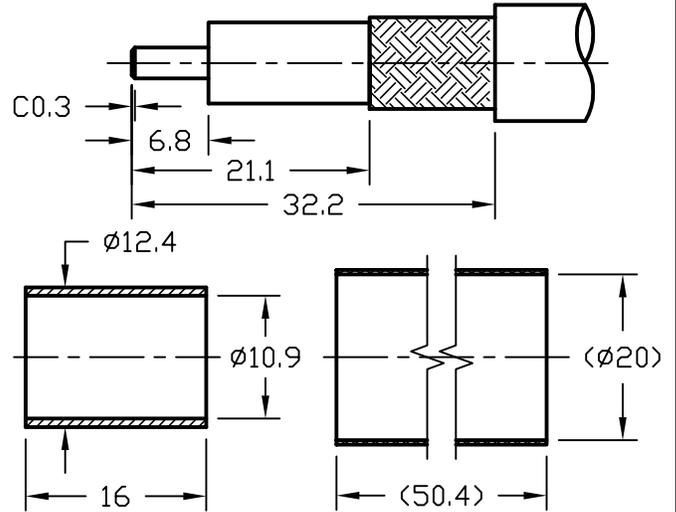
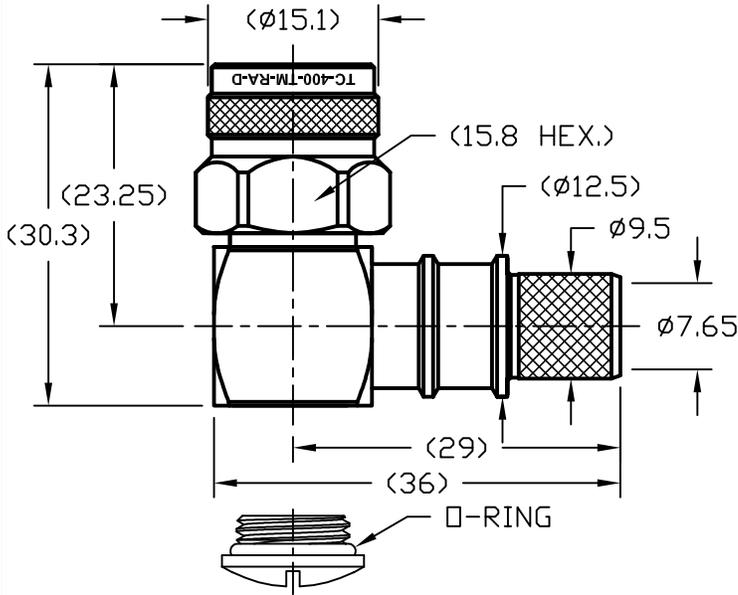
PE PASTERNAK
 THE ENGINEER'S RF SOURCE

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	6/3/11	J.D.B.	6/3/11
B	CHANGED PER CDC #34607/36250	D.J.H.	9/24/12	J.D.B.	9/25/12

RECOMMENDED CABLE STRIPPING DIM'S.



NOTES:

- CONTACT PIN IS SOLDERED.
- FERRULE IS CRIMPED TO .429" HEX.

ALL PARTS SATISFIED ROHS REQUIREMENTS

MATERIALS AND PLATING		UNIT: MICRO-INCHES
BODY/SHELL	BRASS C3604	ALBALOY 80 MIN/COPPER
CONTACT PIN	BRASS C3604	GOLD 50 MIN/NICKEL/COPPER
INSULATOR	TEFLON MIL-P-19468	N/A
GASKET	SILICONE	RED
FERRULE	BRASS	ALBALOY 80 MIN/COPPER
SHRINK TUBING	PO	BLACK

ELECTRICAL CHARACTERISTICS	
Impedance	50 Ω
Frequency range	0~11GHz
Voltage rating	500V(rms)
Dielectric withstanding voltage	1000V
Contact resistance	Center contact ≤ 3 m Ω
	Outer contact ≤ 2 m Ω
Insulation resistance	≥ 5000 M Ω
Insertion loss	According to the cable
RF-leakage	N/A
VSWR	≤ 1.35 MAX@0-6GHz

MECHANICAL CHARACTERISTICS	
Force to engage and disengage	N/A
Center contact retention force	6 lbs Min
Coupling torque	15 in-lbs Min
Coupling nut retention force	60 lbs Min
Durability	≥ 500 cycles

ENVIRONMENTAL CHARACTERISTICS	
Temperature range	-55°C- +125°C
Thermal Shock	MIL-STD-202, Method 107, Cond B
Vibration	MIL-STD-202, Method 204, Cond B
Shock	MIL-STD-202, Method 213, Cond I
Climatic Class	IEC 60068 55/155/56

MATERIAL:	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH 1.6 RMS MAX. REMOVE ALL BURRS 0.15X45° MAX. BREAK MACHINE CORNERS 0.15X45°D MAX. FILLET R. TOLERANCES ON DECIMALS .X ± 0.3 .XX ± 0.2 ANGLES $\pm 1^\circ$ FRACTIONS \pm N/A	DFTM: K. A. M.	TIMES MICROWAVE SYSTEMS
		DATE: 6/3/11	
USED ON: 0-4		CHKD: J. D. B.	TC-400-TM-RA-D 90° TNC MALE FOR LMR400 CABLE
		DATE: 6/3/11	
SCALE: N/A	DWG. SIZE: A	APPD: J. D. B.	SHEET: 1 of 1 SD3190-2671 REV: B
		DATE: 6/3/11	
DO NOT SCALE DRAWING		CODE IDENT: 68999	



Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

PE-B400

Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket

Configuration

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

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	4
Capacitance, pF/ft [pF/m]	26 [85.3]
Maximum Operating Voltage, Volts	600

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	0.5 [1.64]
Power Handling, KWatts	3

Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	3.5 [11.48]
Power Handling, Watts	325

Frequency 3

Frequency, MHz	700
Attenuation, dB/100ft [dB/100m]	5 [16.4]
Power Handling, Watts	225

Frequency 4

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	6 [19.69]
Power Handling, Watts	190

Frequency 5

Frequency, GHz	4
Attenuation, dB/100ft [dB/100m]	13 [42.65]
Power Handling, Watts	65

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +80
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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: [Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket PE-B400](#)

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Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

PE-B400

Inner Conductor

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.103 [2.62]

Dielectric:

Type	PE (F)
Diameter, in [mm]	0.285 [7.24]

Shield:

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid

Jacket:

Material	PVC
Diameter, in [mm]	0.403 [10.24]
Color	Black
Weight, lbs/ft [Kg/m]	0.112 [0.17]

Compliance Certifications (visit www.Pasternack.com for current document)

Plotted and Other Data

Notes: Values at 25 °C, sea level

Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC 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.

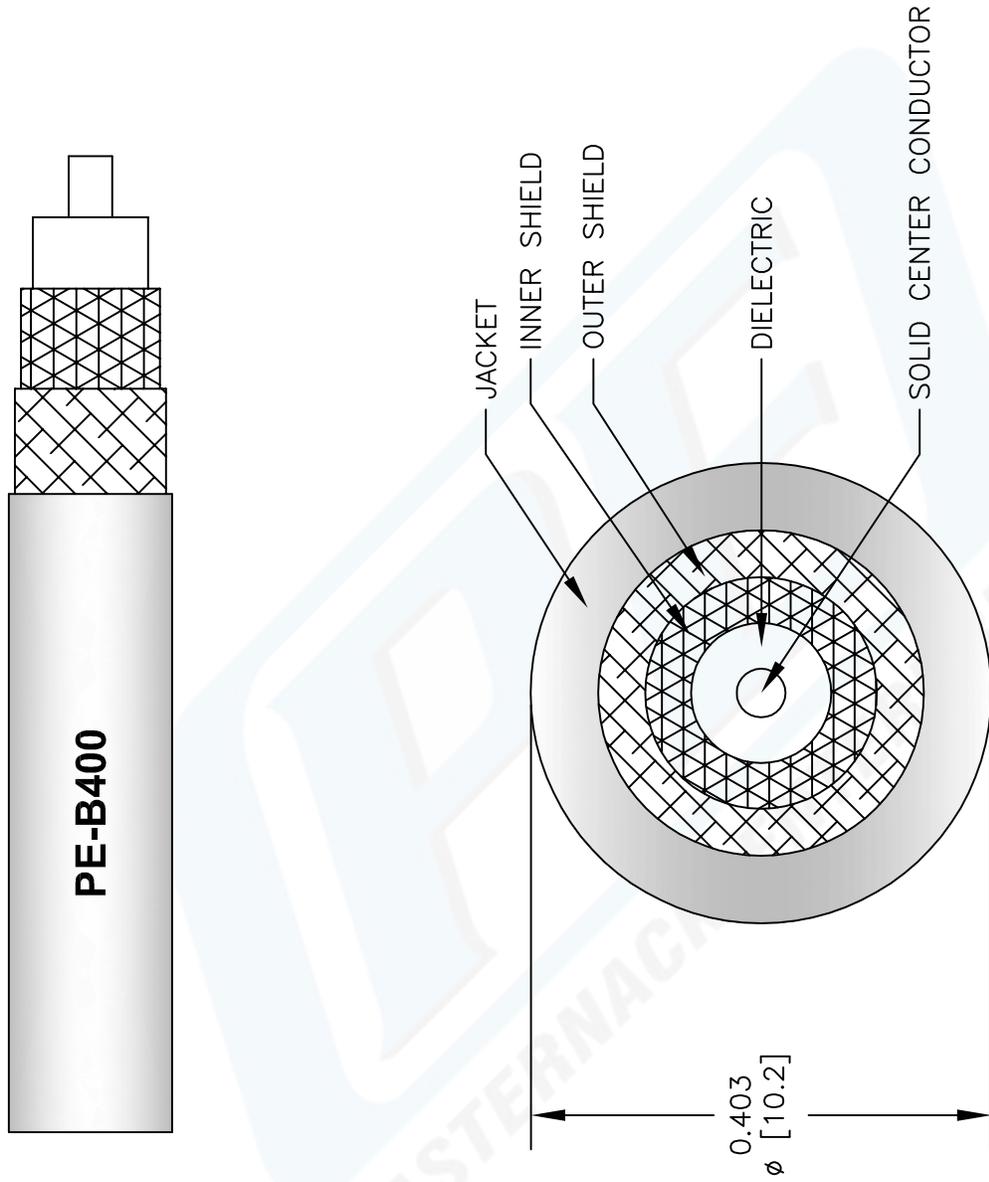
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URL: <http://www.pasternack.com/flexible-0.403-rg8-type-50-ohm-coax-cable-pvc-jacket-pe-b400-p.aspx>

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PE-B400 CAD Drawing

Flexible RG8 Type with Foam Dielectric Coax Cable
Double Shielded with Black PVC Jacket



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DWG TITLE

PE-B400

FSCM NO. 53919

CAD FILE 040113-A

SCALE N/A

SIZE A

127

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