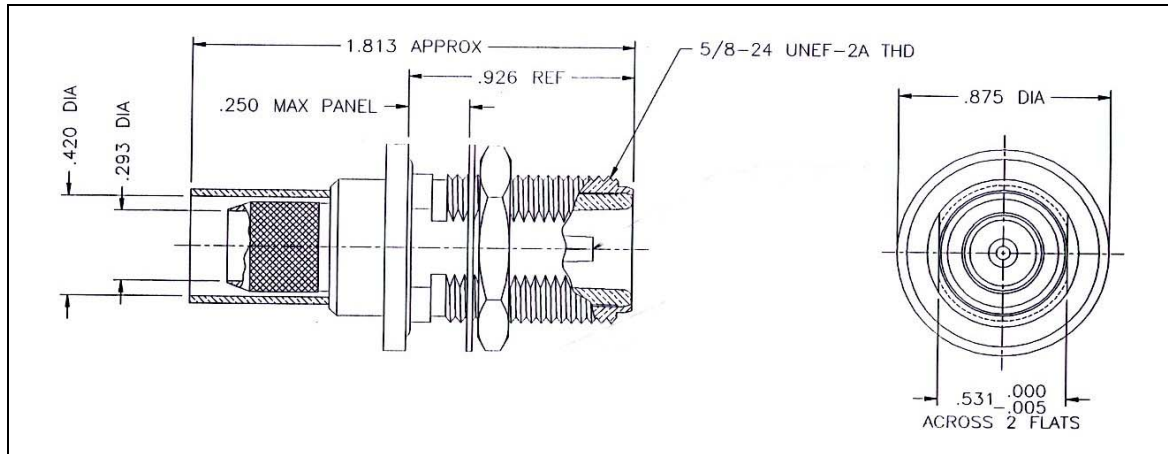


LTR	DESCRIPTION	DATE	BY
-	Released	3/25/96	JCL
A	Redrawn and Updated	7/8/04	JCL



I. MATERIALS & FINISHES

center contact: Gold Plated Beryllium Copper
 outer contact: Nickel Plated Brass
 body: Nickel Plated Brass
 crimp sleeve: Nickel Plated Copper
 dielectric: Teflon® PTFE
 gasket: Silicone Rubber
 shrink sleeve: Adhesive Lined Polyolefin
 attachment: braid crimp .429" hex

II. ELECTRICAL PROPERTIES

impedance: 50 ohms
 working voltage: 1000 vrms (max)
 vswr: 1.25:1 (max) up to 2 GHz
 insertion loss: $0.15 \times \sqrt{f_{\text{ghz}}}$

Unless otherwise specified, dimensions are in inches. Tolerances are applicable when specified.

These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.

Approvals

Drawn	JCL	3/25/96



TIMES MICROWAVE SYSTEMS

Wallingford, CT 06492
 (203) 949-8400; (203) 949-8423.Fax
 www.timesmicrowave.com

EZ-400-NF-BH

Type-N female Bulkhead
 for LMR-400 Cable

Size A	CAGE CODE 68999	Drawing No.: 3190-518
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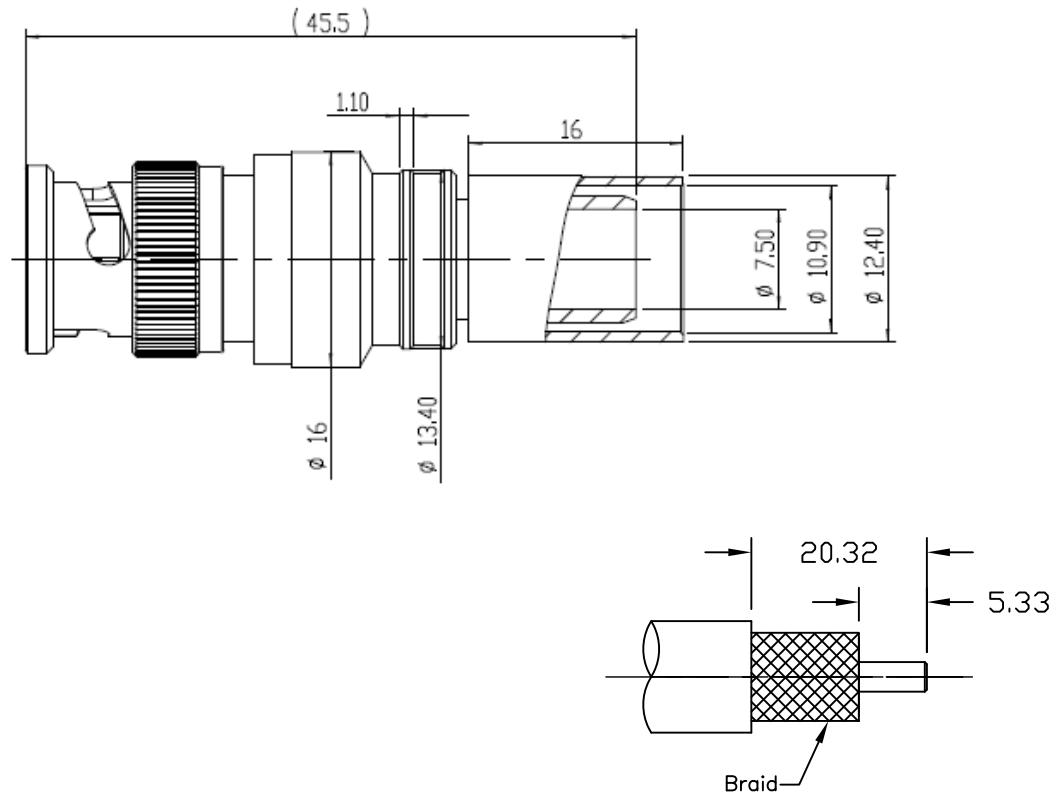
Scale: NA

Rev. (A)

Sheet: 1 of 1

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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(Ω): 50
Frequency Range: DC-4GHz
VSWR: ≤ 1.35
Insert Loss: ≤ 0.1
Insulation resistance ($M\Omega$): ≥ 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.	EZ-400-BM-X 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	SHT 1 of 1 SD3190-2852 REV A



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](#)

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.



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
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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.

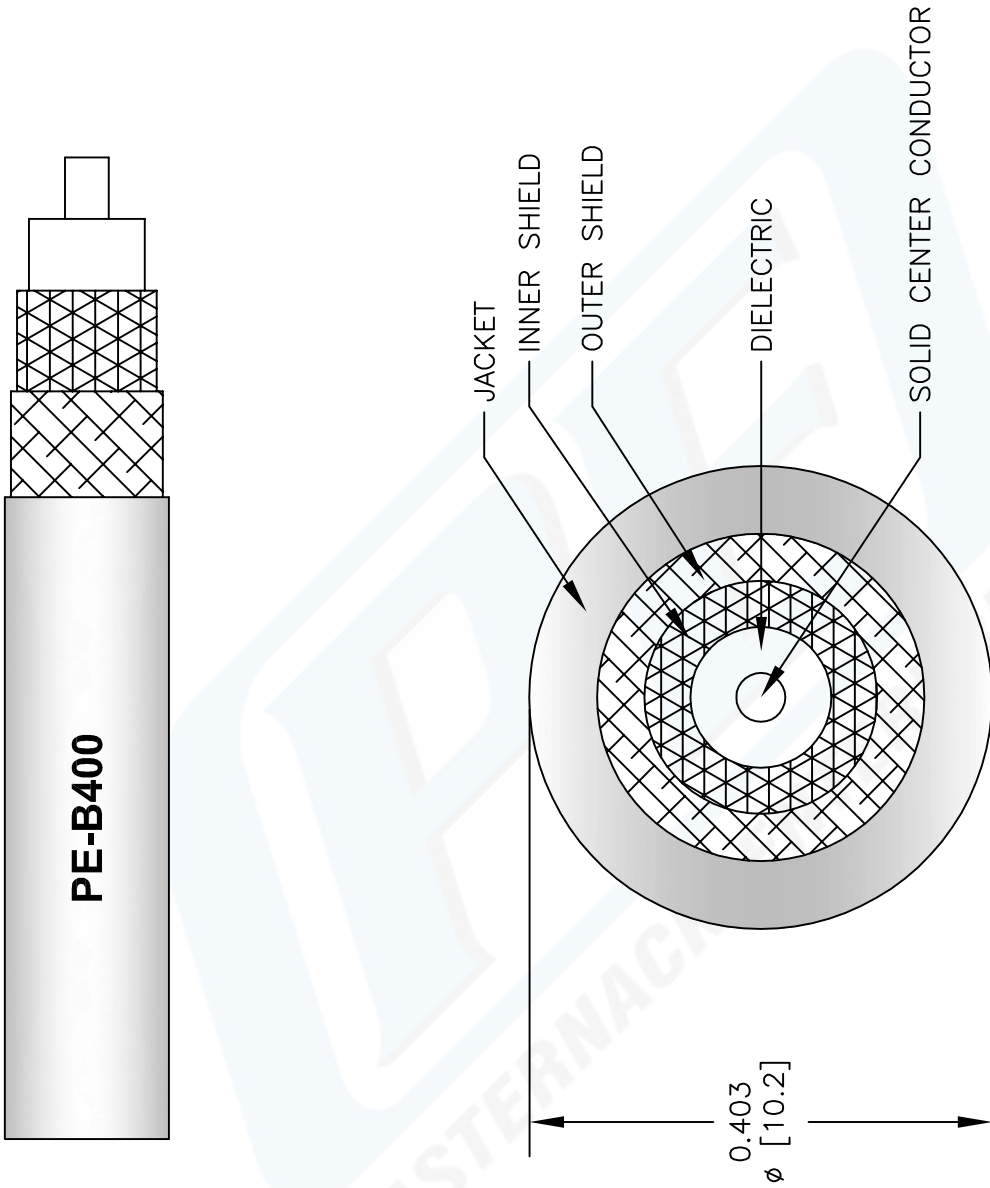
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket PE-B400](http://www.pasternack.com/flexible-0.403-rg8-type-50-ohm-coax-cable-pvc-jacket-pe-b400-p.aspx)

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



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].

DWG TITLE

PE-B400

FSCM NO. 53919

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