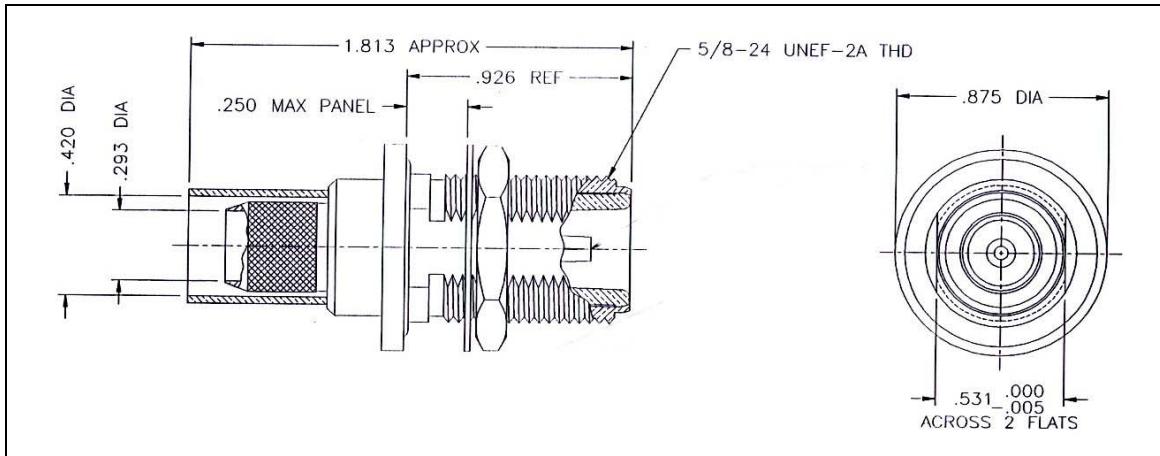


LTR	DESCRIPTION	DATE	BY
-	Released	3/25/96	JCL
A	Redrawn and Updated	7/8/04	JCL



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: $0.15 \times \sqrt{f_{ghz}}$

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

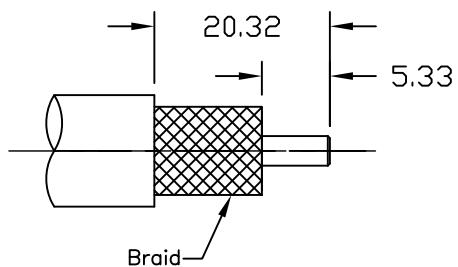
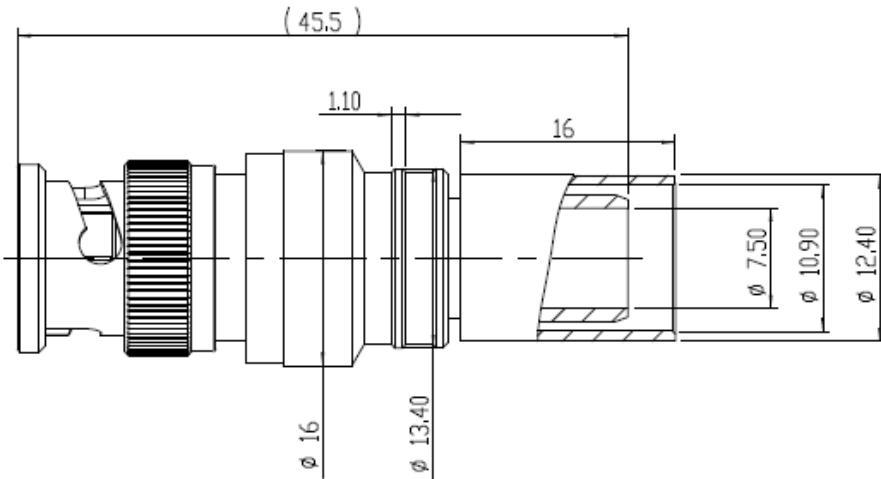
Scale: NA

Rev. (A)

Sheet: 1 of 1

NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

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)

2Nm

III. Material and plating:

Component
inner conductor
outer conductor
insulator
o-ring

Material
Spring copper
Brass
PTFE
Silicone rubber

Plating
Au 1.27um
Copper-tin-zinc 2um

IV. Environment

Temp range

$-55^{\circ}\text{C} \text{ to } +155^{\circ}\text{C}$

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

MATERIAL:	UNLESS OTHERWISE SPECIFIED		DFTM: N. N. N DATE: 8/6/13 CHKD: J. D. B. DATE: 8/9/13 APPD: J. D. B.	TIME MICROWAVE SYSTEMS EZ-400-BM-X BNCM for LMR-400
	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			
USED ON: ~	DWG SIZE: A	DO NOT SCALE DRAWING	CODE IDENT: 68999 DATE: 8/9/13	SH. 1 of 1 SD3190-2852 REV. A
SCALE: N/A	DWG SIZE: A	DO NOT SCALE DRAWING	CODE IDENT: 68999 DATE: 8/9/13	SH. 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
------------------------	------------

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

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.

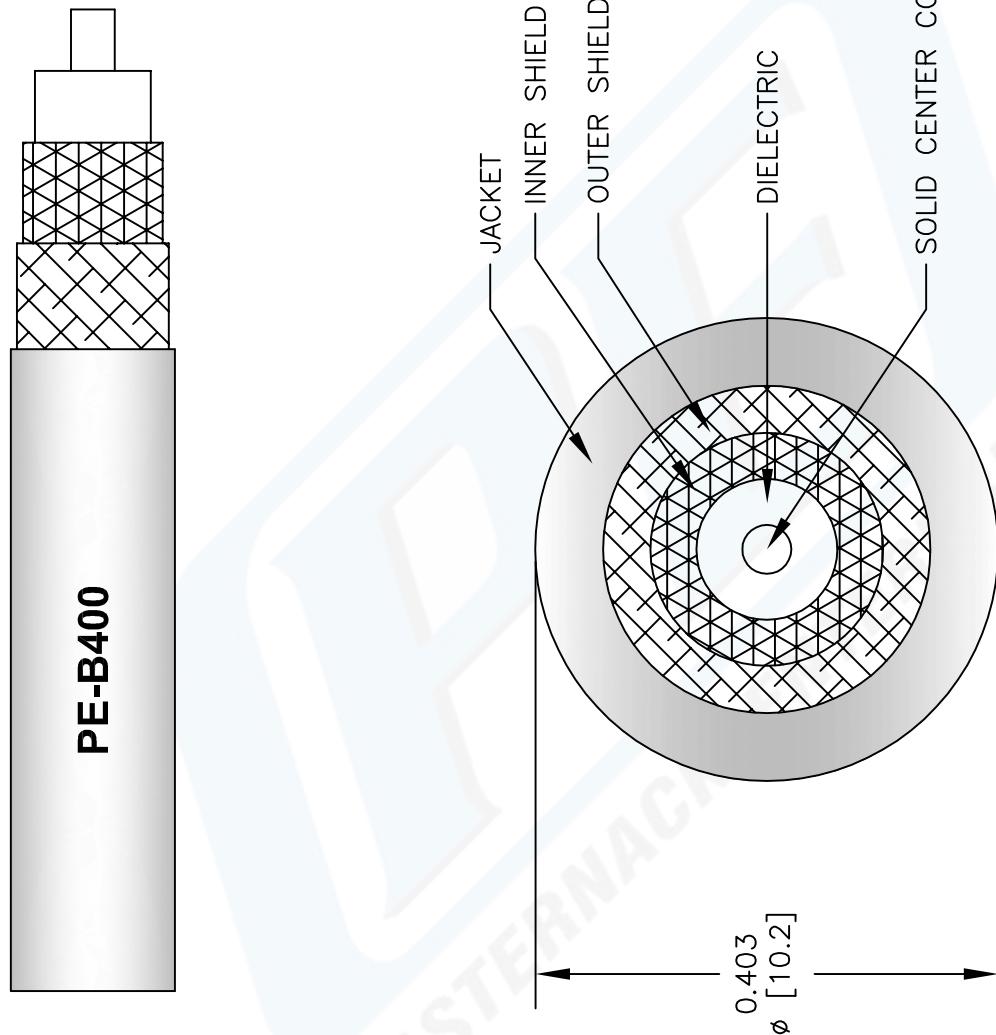
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket PE-B400](http://www.pasternack.com/flexible-0.403-rg8-type-50-ohm-coax-cable-pvc-jacket-pe-b400-p.aspx)

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

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.

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].

PASTERNACK®	DWG TITLE	PE-B400					
Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com	FSCM NO.	53919	CAD FILE	040113-A	SCALE N/A	SIZE A	127