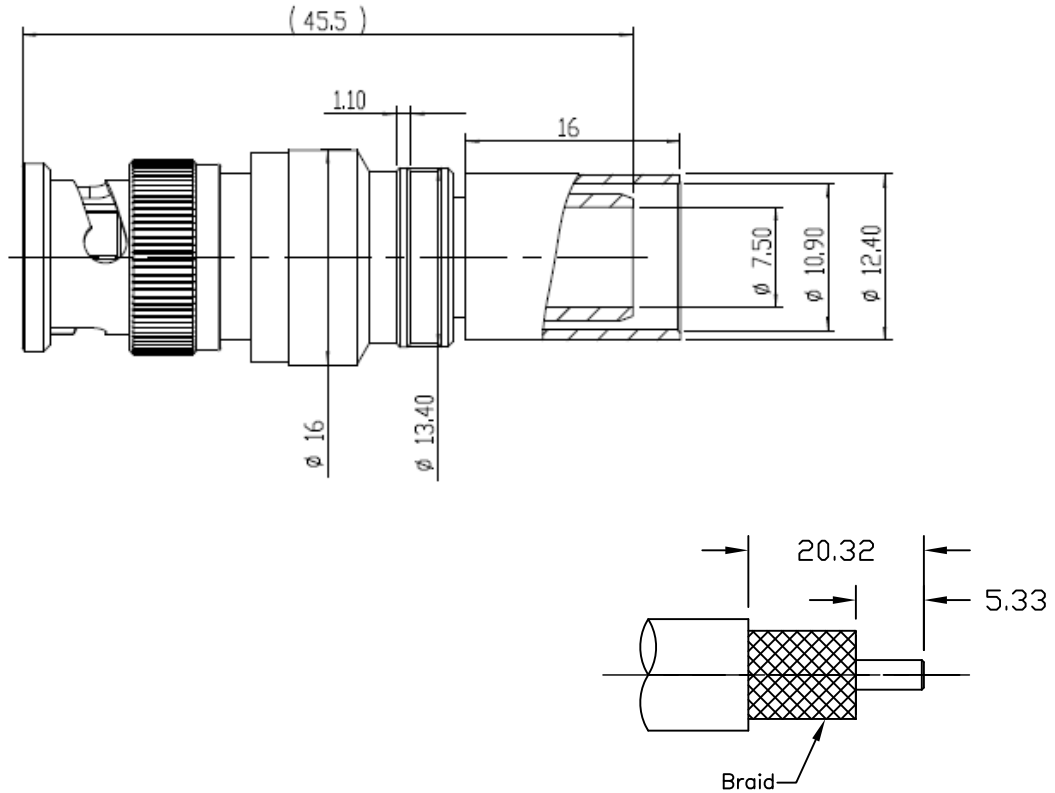


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N. N. N	8/6/13	J. D. B.	8/9/13



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 ( $M\Omega$ ): 25000  
 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	Material	Plating
inner conductor	Spring copper	Au 1.27um
outer conductor	Brass	Copper-tin-zinc 2um
insulator	PTFE	
o-ring	Silicone rubber	

IV. Environment

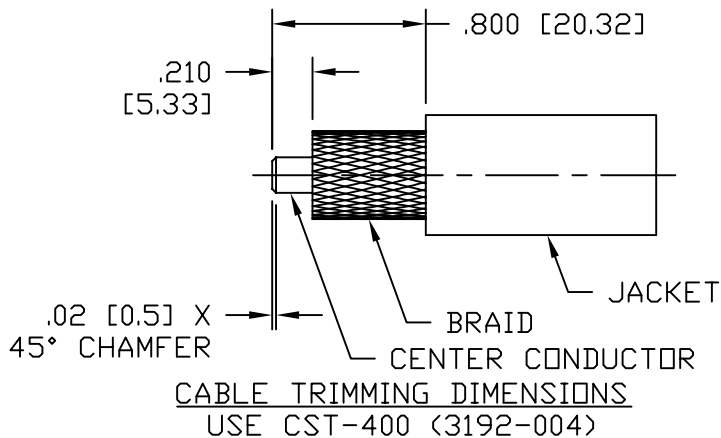
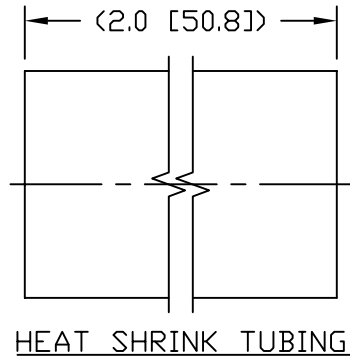
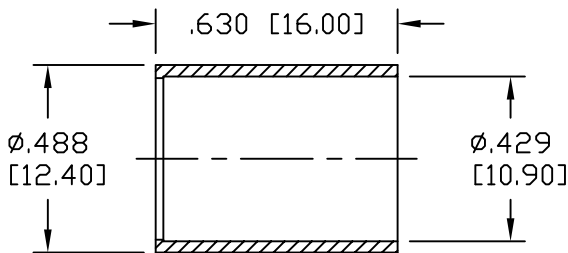
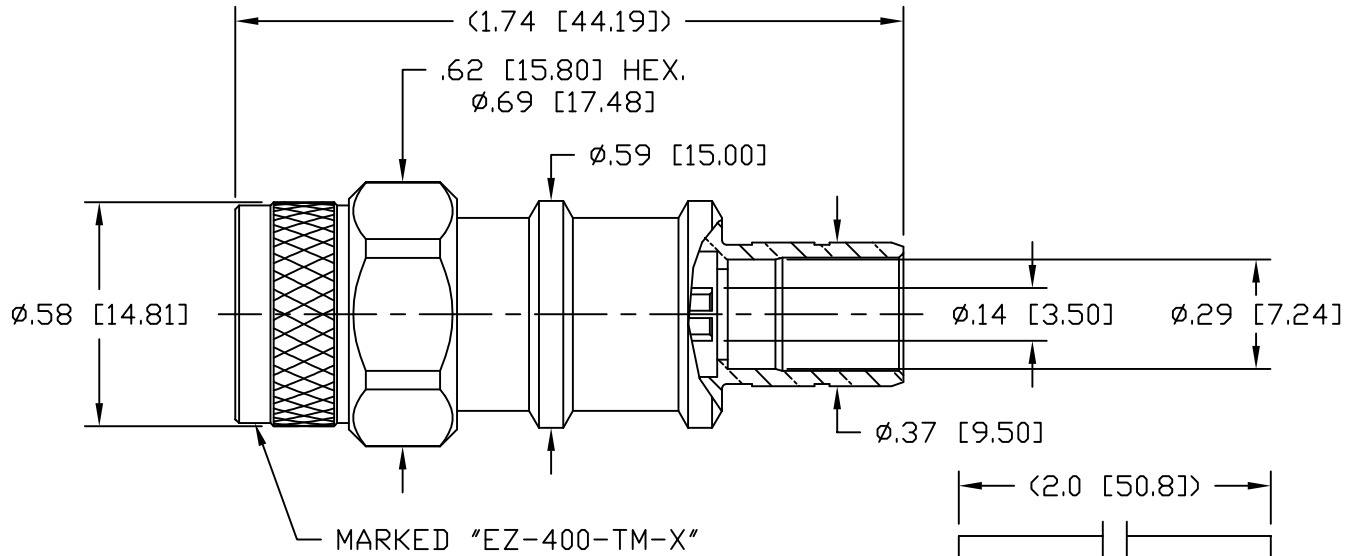
Temp.range -55°C~+155°C  
 Weather standard IEC 60068 55 / 155/ 56  
 Thermal shock US MIL-STD 202,Meth.107,Cond.B  
 Vibration US MIL-STD 202,Meth.204,Cond.B  
 Shock US MIL-STD 202,Meth.213,Cond.I  
 ROHS compliant

V. Assemble: inner conductor installed and outer conductor crimped

MATL:	UNLESS OTHERWISE SPECIFIED		DFTM. N. N. N	TIMES MICROWAVE SYSTEMS			
	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		DATE 8/6/13				
USED ON: ~			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	1 of 1	SD3190-2852	REV. A

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	2/25/10	J.D.B.	3/11/10
B	CHANGED PER CDC #34322	D.J.H.	10/12/11	J.D.B.	10/27/11
C	CHANGED PER CDC #36607	D.J.H.	11/16/12	J.D.B.	11/19/12



**NOTES:**

- MATERIALS AND FINISHES:**  
 BODY: BRASS, ALBALOY PLATING  
 COUPLING NUT: BRASS, ALBALOY PLATING  
 CENTER CONTACT: BERYLLIUM COPPER, GOLD PLATING  
 FERRULE: COPPER, ALBALOY PLATING
- ELECTRICAL:**  
 IMPEDANCE: 50 OHMS NOMINAL  
 FREQUENCY: DC-6 GHz  
 VSWR: 1.2 DC-6 GHz  
 DIELECTRIC WITHSTANDING VOLTAGE: 1,000 VOLTS RMS
- MECHANICAL:**  
 DURABILITY: 500 CYCLES MIN.  
 TEMPERATURE RANGE: -65°C TO +165°C
- CABLING INSTRUCTIONS:**  
 A. SLIDE FERRULE OVER CABLE JACKET  
 B. TRIM CABLE TO DIMENSIONS SHOWN. MAKE SURE CUTS ARE SHARP AND SQUARE. DO NOT NICK BRAID OR CENTER CONDUCTOR.  
 C. FLAIR BRAID SLIGHTLY AND INSERT CABLE INTO BODY UNTIL BOTTOMED. SLIDE THE FERRULE UP THE CABLE AND OVER THE BRAID UNTIL BOTTOMED ON BODY. CRIMP FERRULE USING A .429 HEX.  
 5. RECOMMENDED COUPLING NUT TORQUE: 4-6 IN-LBS.

MATERIAL:	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 32 RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/64	DFTM: K. A. M.	TIMES MICROWAVE SYSTEMS
		DATE: 2/25/10	
USED ON: B	DO NOT SCALE DRAWING	CHKD: J. D. B.	<b>EZ-400-TM-X</b> PLUG, TNC, EZ FOR LMR-400
		DATE: 3/11/10	
SCALE: ~	DWG. SIZE: A	APPD: J. D. B.	SHEET 1 of 1
	DO NOT SCALE DRAWING	DATE: 3/11/10	
	CODE IDENT: 68999		REV: C



# 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 Clad Aluminum, 1 Strand	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.

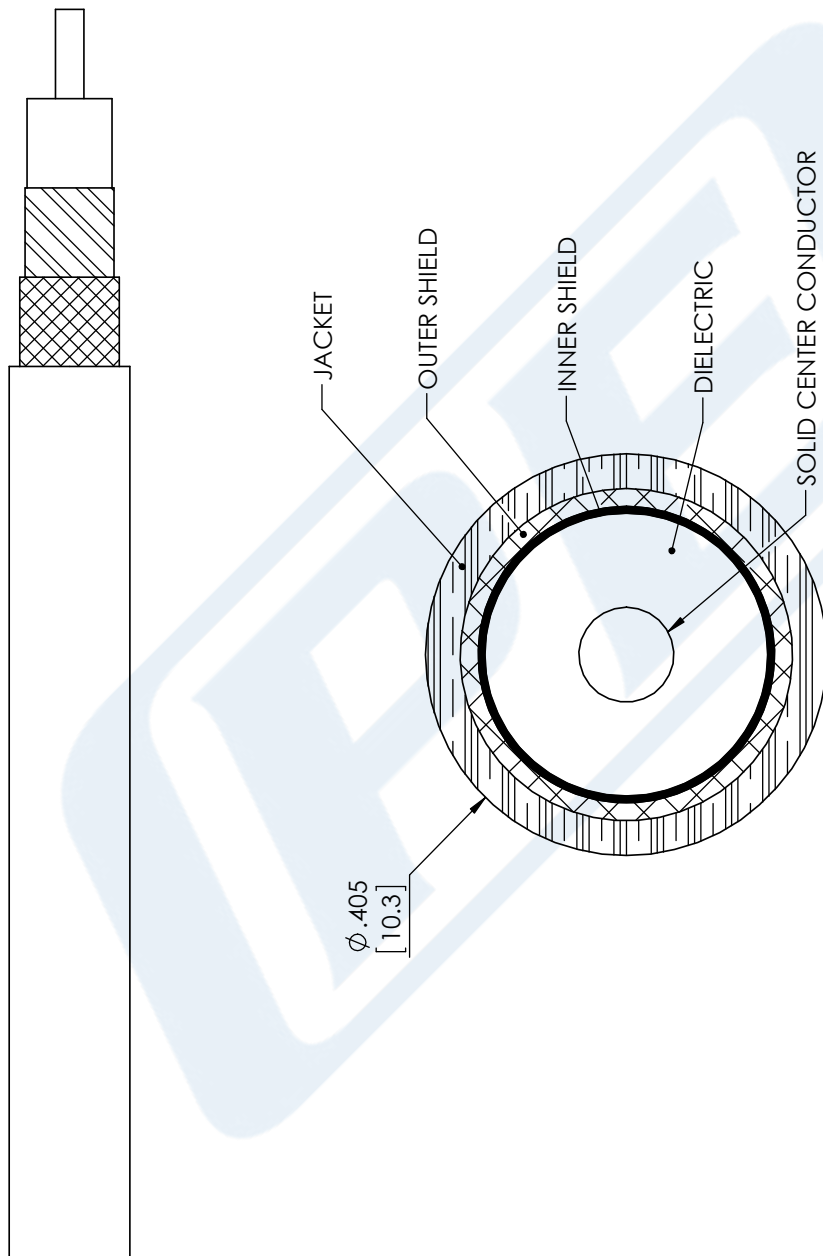
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG8 Type Coax Cable Double Shielded with Black PE Jacket PE-C400](#)

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

# PE-C400 CAD Drawing

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



**STANDARD TOLERANCES**

- .X ±0.2
- .XX ±0.01
- .XXX ±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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 P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** www.pasternack.com | **E-Mail:** sales@pasternack.com

DWG TITLE  
 PE-C400

CAGE CODE 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 11/28/17

SCALE N/A

SIZE A

CN2245