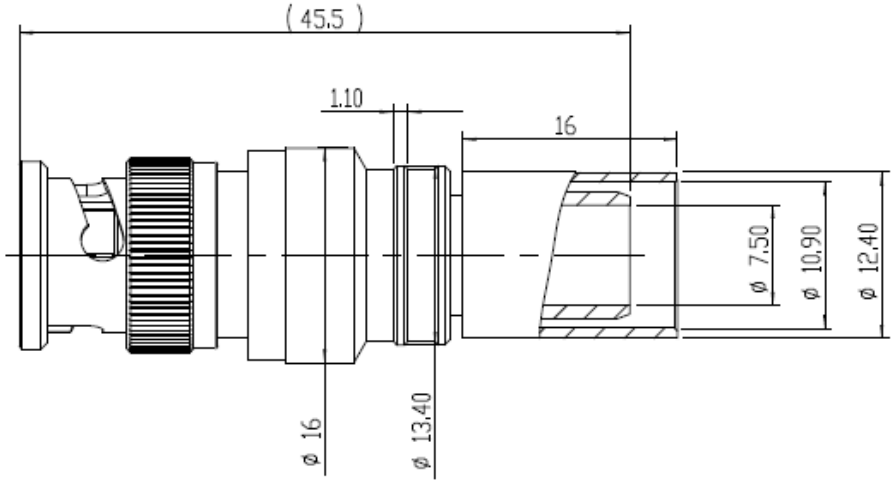
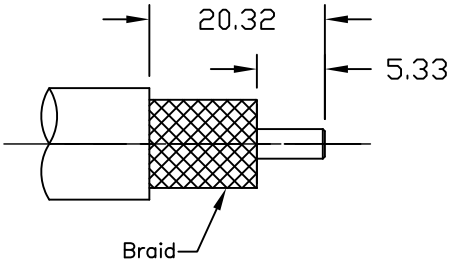
SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	8/6/13	J.D.B.	8/9/13





Reference standard IEC60169-8

I. Electric Performance

Nominal Impedance(Ω):	50
Frequency Range:	DC-4GHz
VSWR:	≤1.35
Insert Loss:	≤ 0.1
Insulation resistance (MΩ)	≥5000
Withstand voltage (V)	1500
Conductor resistance (mΩ)	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	

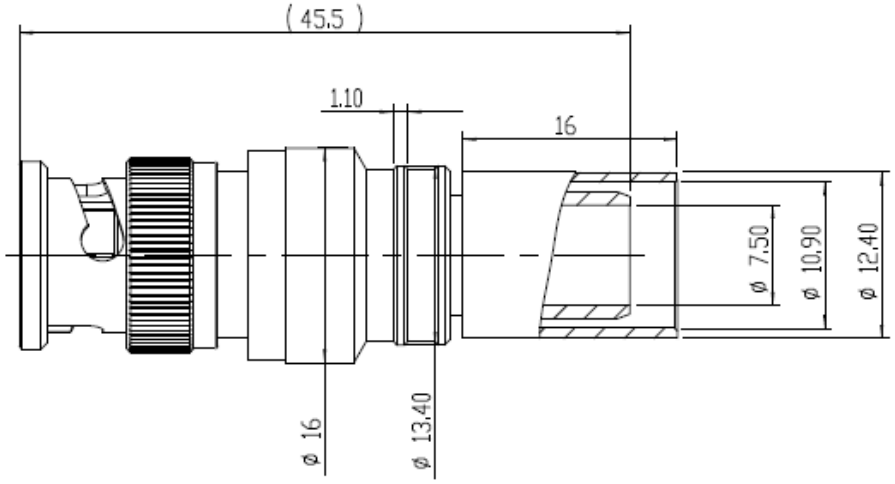
IV. Environment

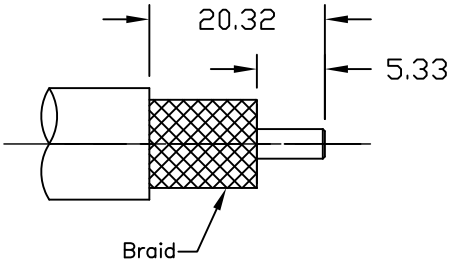
Temp.range	-55℃~+155℃
Weather standard	IEC 60068 55 / 155/ 56
Thermal shock	US MIL-STD 202,Meth.107,Cond.B
Vibration	US MIL-STD 202,Meth.204,Cond.B
Shock	US MIL-STD 202,Meth.213,Cond.I
ROHS compliant	

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 ± N/A .XXX ± N/A ANGLES ± N/A FRACTIONS ± N/A	DATE 8/6/13	**EZ-400-BM-X** BNCM for LMR-400		
USED ON: ~		CHKD. J. D. B.			
		DATE 8/9/13			
		APPD. J. D. B.			
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

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





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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		
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USED ON: ~		CHKD. J. D. B.			
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		APPD. J. D. B.			
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

PASTERNACK®
THE ENGINEER'S RF SOURCE

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

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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.

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

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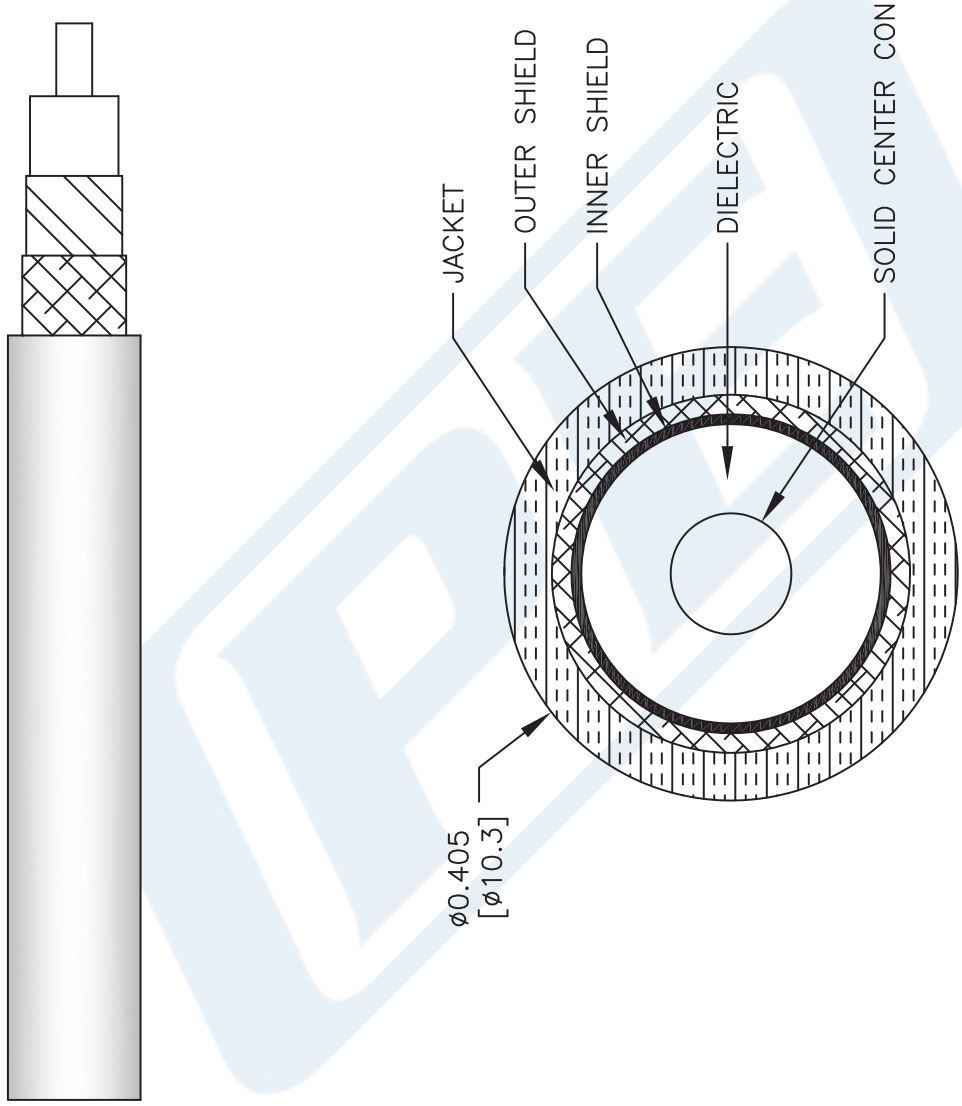
PE-C400 CAD Drawing

Low Loss Flexible RG8 Type Coax Cable Double Shielded with Black PE 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-C400**

CAD FILE 111716 | SCALE N/A | SIZE A | 41742

FSCM NO. 53919

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