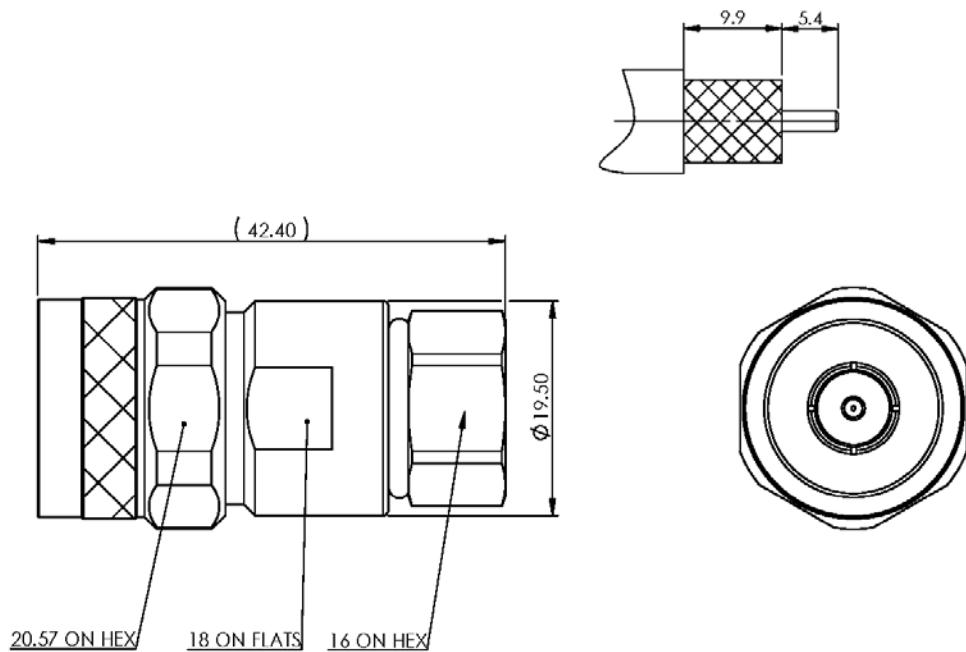


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	5/20/11	J.D.B.	6/9/11



Reference standard IEC60169-16

I. Electric Performance

Nominal Impedance( $\Omega$ ):

50

Frequency Range:

DC-6GHz

VSWR:

$\leq 1.35$

Insert Loss:

$\leq 0.10$  (0-3G)

Insulation resistance ( $M\Omega$ )

$>5000$

Proof voltage (V)

2500

Conductor resistance ( $m\Omega$ )

outer conductor  $<0.4$   
inner conductor  $<0.8$

II. Mechanical Performance

Whorl pull

500N

Nut torque

5N.m

Tensile force(cable-connect)

400N

Torsion(cable-connect)

2N.m

III. Material and plating :

Component	Material
inner conductor	Beryllium copper
outer conductor	Brass
insulator	PTFE
nut	Brass

Plating	$Au > 1.27\mu m$
	Copper-tin-zinc $> 2\mu m$
	Copper-tin-zinc $> 2\mu m$

IV. Environment

Temp.range

$-55^{\circ}C \sim +155^{\circ}C$

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

Waterproof standard

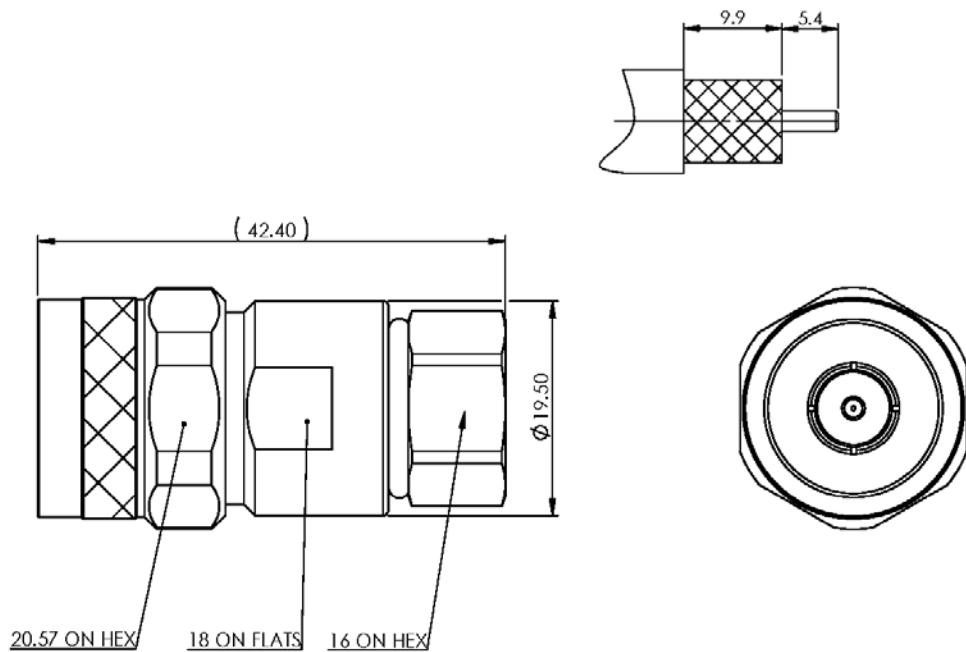
IP67

ROHS compliant

MATL:	UNLESS OTHERWISE SPECIFIED		DFTM: K. A. M.	DATE: 5/20/11	CHKD: J. D. B.	APPD: J. D. B.	TIME MICROWAVE SYSTEMS		
	ALL DIMENSIONS ARE IN mm						CONNECTOR, NM		
USED ON:						FOR LMR-400 (EZ-400-NMC-2-D)			
SCALE: ~	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT: 68999	DATE: 6/9/11	SHEET: 1 of 1	SD3190-2640 REV A			

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	5/20/11	J.D.B.	6/9/11



Reference standard IEC60169-16

I. Electric Performance

Nominal Impedance( $\Omega$ ):

50

Frequency Range:

DC-6GHz

VSWR:

$\leq 1.35$

Insert Loss:

$\leq 0.10$  (0-3G)

Insulation resistance (M $\Omega$ )

$>5000$

Proof voltage (V)

2500

Conductor resistance (m $\Omega$ )

outer conductor  $<0.4$   
inner conductor  $<0.8$

II. Mechanical Performance

Whorl pull

500N

Nut torque

5N.m

Tensile force(cable-connect)

400N

Torsion(cable-connect)

2N.m

III. Material and plating :

Component	Material
inner conductor	Beryllium copper
outer conductor	Brass
insulator	PTFE
nut	Brass

Plating	$Au > 1.27\mu m$
	Copper-tin-zinc $> 2\mu m$
	Copper-tin-zinc $> 2\mu m$

IV. Environment

Temp.range	$-55^{\circ}C \sim +155^{\circ}C$
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
Waterproof standard	IP67
ROHS compliant	

MATL:	UNLESS OTHERWISE SPECIFIED		DFTM	K. A. M.	DATE	5/20/11	CHKD	J. D. B.	TIME	MICROWAVE SYSTEMS			
	ALL DIMENSIONS ARE IN mm												
USED ON:										CONNECTOR, NM			
										FOR LMR-400 (EZ-400-NMC-2-D)			
SCALE: ~	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT	68999	DATE	6/9/11	S	1 of 1	SD3190-2640	R E V A			



## 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.

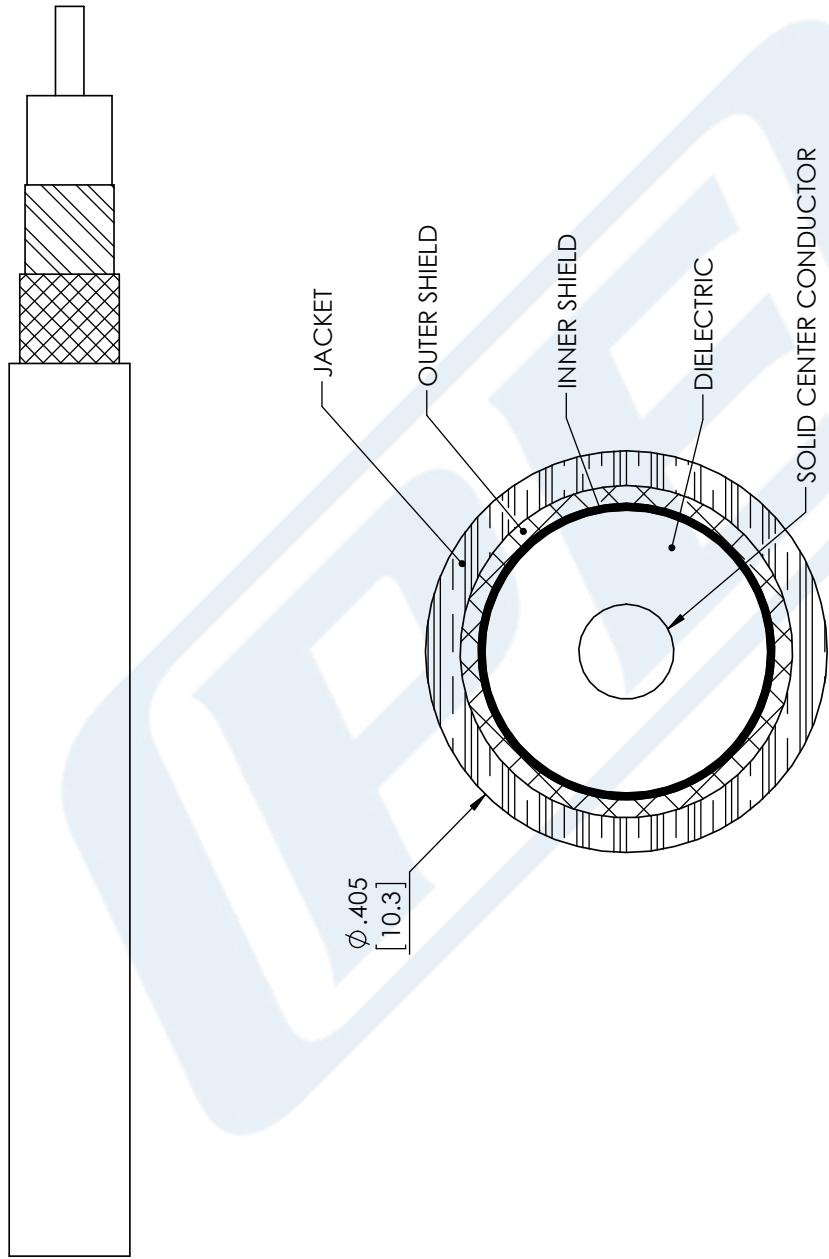
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URL: <https://www.pasternack.com/flexible-0.405-50-ohm-coax-cable-pe-jacket-pe-c400-p.aspx>

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

**PE PASTERACK®**  
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

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].

CAGE CODE	DWG TITLE	CAD FILE	SCALE	SIZE
53919	PE-C400	11/28/17	N/A	A

CN2245