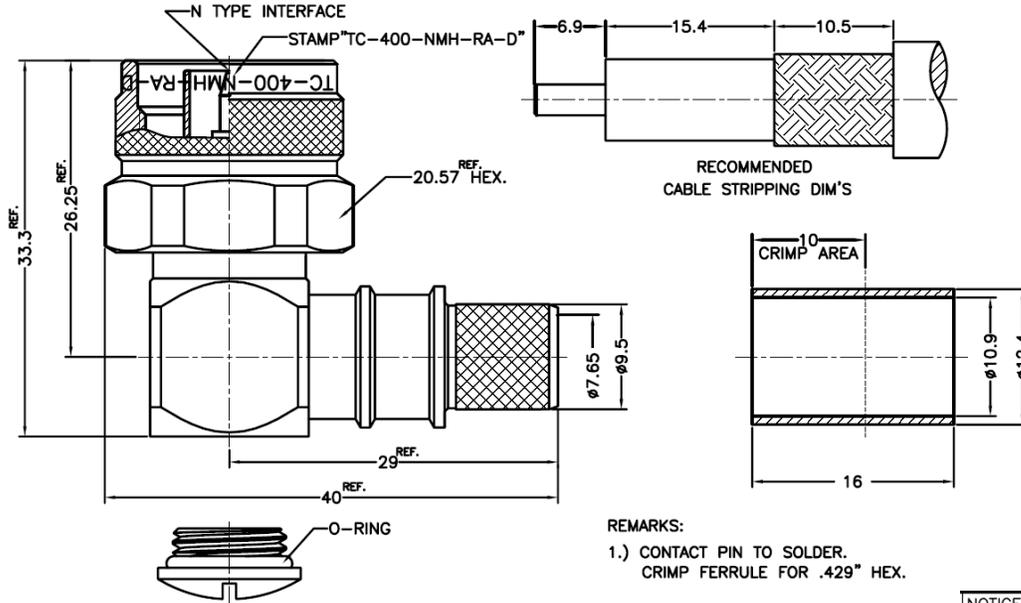


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D. J. H.	5/30/07	J. D. B.	5/30/07
B	CHANGED PER CDC #27394	D. J. H.	10/2/07	J. D. B.	10/2/07
C	CHANGED PER CDC #27653	D. J. H.	12/6/07	J. D. B.	12/10/07
D	CHANGED PER CDC #28404	D. J. H.	5/27/08	J. D. B.	5/27/08

THIS CONNECTOR IS INDIVIDUALLY PACKAGED. FOR BULK PACKAGING, SEE 3190-2293BLK.



REMARKS:
1.) CONTACT PIN TO SOLDER.
CRIMP FERRULE FOR .429" HEX.

NOTICE: ALL PARTS MUST MEET TO RoHS REQUIREMENTS

MATERIALS AND PLATING UNIT: MICRO-INCHES		
BODY, SHELL	BRASS C3604	ALBALOY (COPPER-TIN-ZINC) PL.80 MIN.
CONTACT PIN	BRASS C3604	GOLD 50/ COPPER
INSULATOR	TEFLON MIL-P-19468	RED
FERRULE	COPPER	ALBALOY (COPPER-TIN-ZINC) PL.80 MIN.
GASKET	SILICONE	RED

ELECTRICAL CHARACTERISTICS	
Impedance	50 Ω
Voltage rating	1000V(rms)
Frequency range	0~11GHz
Dielectric withstanding voltage	1500V
Contact resistance	Center contact: ≤1mΩ Outer contact ≤0.25mΩ
Insulation resistance	≥5000MΩ
Insertion loss	According as the cable
RF-leakage	-90 dB up to 3 GHz
VSWR	≤1.25 (DC-2.5GHz)
3rd Intermodulation	-

(MECHANICAL CHARACTERISTICS)	
Force to engage and disengage	6 lbs MAX.
Center contact retention force	6 lbs MIN.
Coupling torque	30 in-lbs MIN.
Coupling nut retention force	100 lbs MIN.
Durability	≥ 500 cycles

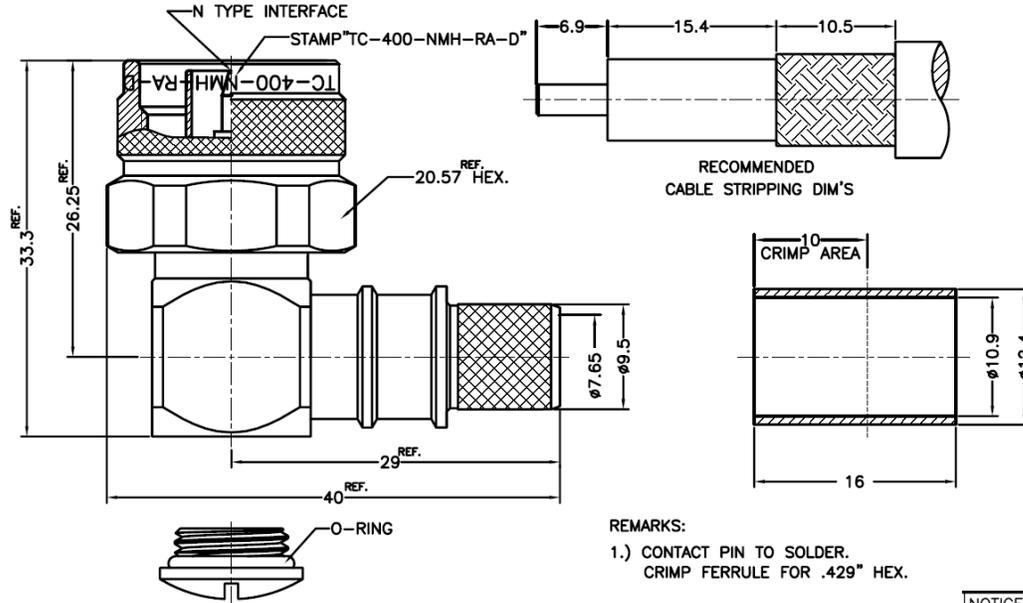
ENVIRONMENTAL CHARACTERISTICS	
Temperature range	-55° C - +155° C
Thermal shock	US MIL- STD 202, Meth. 107, Cond. B
Vibration	US MIL- STD 202, Meth. 204, Cond. B
Shock	US MIL- STD 202, Meth. 213, Cond. I
Climatic class	IEC 60068 65/165/21

MATERIAL: UNLESS OTHERWISE SPECIFIED	DFTM. D. J. H.	TIMES MICROWAVE SYSTEMS						
	DATE 5/30/07							
USED ON: 0	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± 0.2 .XXX ± 0.1 ANGLES ± 3° FRACTIONS ± N/A	TC-400-NMH-RA-D 90° N MALE (INDIVIDUALLY PACKAGED) FOR LMR400 CABLE						
	CHKD. J. D. B.							
	DATE 5/30/07							
SCALE: N/A	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 5/30/07	APPD. J. D. B.	1 of 1	SD3190-2293	REV. D

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D	CHANGED PER CDC #28404	D. J. H.	5/27/08	J. D. B.	5/27/08

THIS CONNECTOR IS INDIVIDUALLY PACKAGED. FOR BULK PACKAGING, SEE 3190-2293BLK.



REMARKS:
1.) CONTACT PIN TO SOLDER.
CRIMP FERRULE FOR .429" HEX.

NOTICE: ALL PARTS MUST MEET TO RoHS REQUIREMENTS

MATERIALS AND PLATING UNIT: MICRO-INCHES			ELECTRICAL CHARACTERISTICS	
BODY, SHELL	BRASS C3604	ALBALOY (COPPER-TIN-ZINC) PL.80 MIN.	Impedance	50 Ω
CONTACT PIN	BRASS C3604	GOLD 50/ COPPER	Voltage rating	1000V(rms)
INSULATOR	TEFLON MIL-P-19468	RED	Frequency range	0~11GHz
FERRULE	COPPER	ALBALOY (COPPER-TIN-ZINC) PL.80 MIN.	Dielectric withstanding voltage	1500V
GASKET	SILICONE	RED	Contact resistance	Center contact: ≤1mΩ Outer contact ≤0.25mΩ
(MECHANICAL CHARACTERISTICS) Force to engage and disengage: 6 lbs MAX. Center contact retention force: 6 lbs MIN. Coupling torque: 30 in-lbs MIN. Coupling nut retention force: 100 lbs MIN. Durability: ≥ 500 cycles			Insulation resistance	≥5000MΩ
			Insertion loss	According as the cable
			RF- leakage	-90 dB up to 3 GHz
			VSWR	≤1.25 (DC-2.5GHz)
			3rd Intermodulation	-
			ENVIRONMENTAL CHARACTERISTICS	
			Temperature range	-55° C - +155° C
			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
			Climatic class	IEC 60068 65/165/21

MATERIAL: UNLESS OTHERWISE SPECIFIED	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± 0.2 .XXX ± 0.1 ANGLES ± 3° FRACTIONS ± N/A	DFTM: D. J. H.	TIMES MICROWAVE SYSTEMS
		DATE: 5/30/07	
USED ON: 0		CHKD: J. D. B.	TC-400-NMH-RA-D 90° N MALE (INDIVIDUALLY PACKAGED) FOR LMR400 CABLE
		DATE: 5/30/07	
SCALE: N/A	DWG. SIZE: A	APPD: J. D. B.	
DO NOT SCALE DRAWING	CODE IDENT: 68999	DATE: 5/30/07	1 of 1 SD3190-2293 REV: D



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, 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.

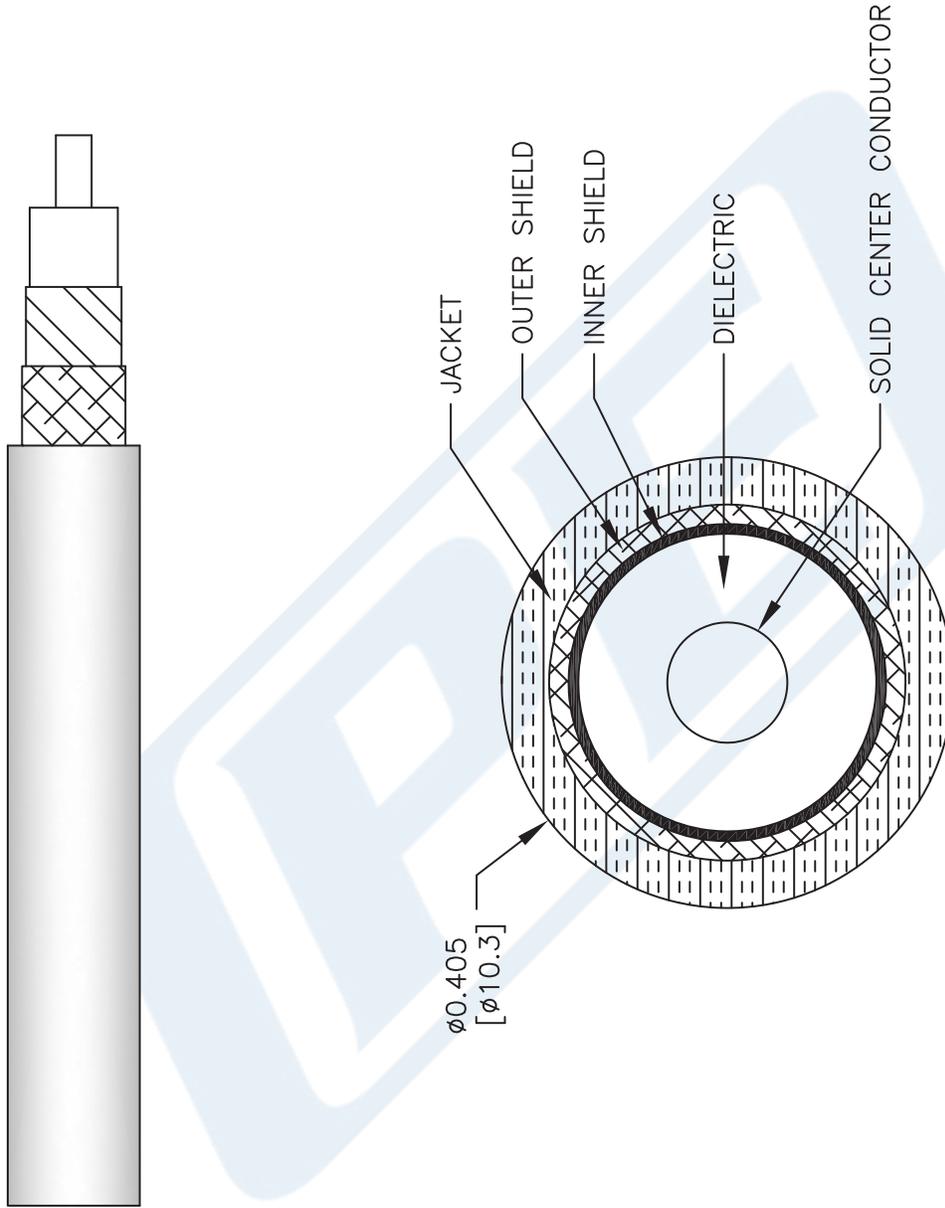
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URL: <https://www.pasternack.com/flexible-0.405-50-ohm-coax-cable-pe-jacket-pe-c400-p.aspx>

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



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

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

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