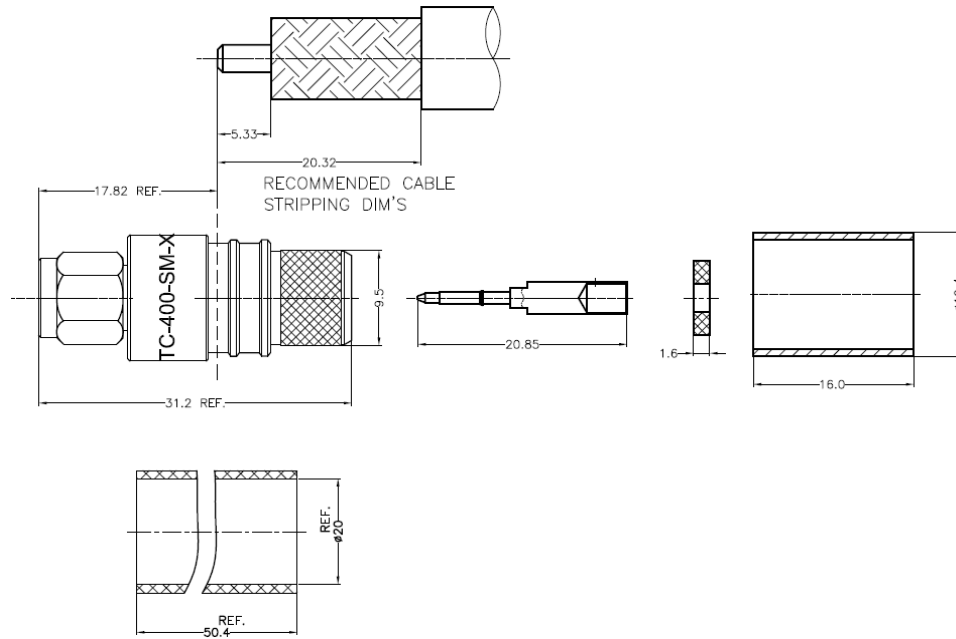


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N. N. N	4/14/14	J. D. B.	4/16/14

REMARKS:

1. CENTER PIN IS SOLDERED.
2. CRIMP FERRULE HEX. CRIMP SIZE .429"



MATERIALS AND PLATING		UNIT: MICRO-INCHES
BODY	BRASS C3604	ALBALOY PLATING
CONTACT PIN	BRASS C3604	GOLD 50µ" / NICKEL/COPPER
INSULATOR	TEFLON MIL-P-19468	
SHELL	BRASS C3604	ALBALOY PLATING
FERRULE	BRASS C3604	ALBALOY PLATING

ELECTRICAL CHARACTERISTICS	
Impedance	50 Ω
Voltage rating	335V(rms)
Frequency range	0~6GHz
Dielectric withstanding voltage	500V
Contact resistance	Center contact ≤ 3mΩ Outer contact ≤ 2mΩ
Insulation resistance	≥ 5000MΩ
Insertion loss	N/A
RF-leakage	N/A
VSWR	1.22 max (0-6G)
(3rd Intermodulation)	N/A

(MECHANICAL CHARACTERISTICS)	
Force to engage and disengage	N/A
Center contact retention force	N/A
Recommended coupling torque	7-10 in-lbs
Coupling nut retention force	60 lbs MIN.
Durability	≥ 500 cycles

ENVIRONMENTAL CHARACTERISTICS	
Temperature range	-55°C - +125°C
Relative Humidity	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Cond D
Shock	MIL-STD-202, Method 213, Cond I
Corrosion	MIL-STD-202, Method 101, Cond B

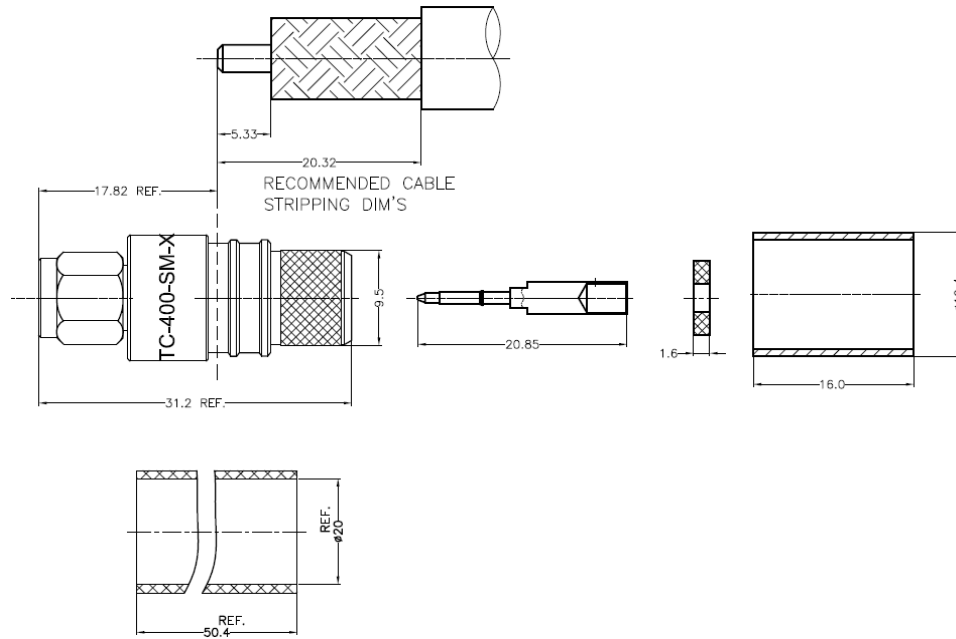
MATL: SEE ABOVE	UNLESS OTHERWISE SPECIFIED		DFTM. N. N. N	TIMES MICROWAVE SYSTEMS	
	ALL DIMENSIONS ARE IN mm		DATE 4/14/14		
USED ON:	UNLESS OTHERWISE SPECIFIED: 1) EDGES C0.15 MAX; 2) REMOVE ALL BURRS; 3) SURFACE ROUGHNESS Ra1.6; 4) UNITS mm; 5) DIMENSIONS TOLERANCES DECIMALS ANGLES .x ±0.3 ±5° .xx ±0.2		CHKD. J. D. B.	TC-400-SM-X SMA Male for LMR-400	
			DATE 4/16/14		
SCALE: ~	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 4/16/14	SH T 1 of 1 SD3190-3046 REV A

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MATL: SEE ABOVE	UNLESS OTHERWISE SPECIFIED		DFTM. N. N. N	TIMES MICROWAVE SYSTEMS	
	ALL DIMENSIONS ARE IN mm		DATE 4/14/14		
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			DATE 4/16/14		
SCALE: ~	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 4/16/14	SH T 1 of 1 SD3190-3046 REV A



Flexible RG8 Type with Wound Filament Dielectric Coax
Cable Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

PE-B405

Flexible RG8 Type with Wound Filament Dielectric Coax Cable Double Shielded with Black PVC Jacket

Configuration

Inner Conductor Material and Plating	Copper
Dielectric Type	PE (AS)
Shield Materials	Aluminum Tape, Tinned Copper Braid
Jacket Material and Color	PVC, Black

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	83
Maximum Operating Frequency, MHz	1000
Capacitance, pF/ft [pF/m]	24.6 [80.71]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1
Attenuation, dB/100ft [dB/100m]	0.4 [1.31]

Frequency 2

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	0.6 [1.97]

Frequency 3

Frequency, MHz	50
Attenuation, dB/100ft [dB/100m]	1.3 [4.27]

Frequency 4

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	3.5 [11.48]

Frequency 5

Frequency, MHz	700
Attenuation, dB/100ft [dB/100m]	4.6 [15.09]

Frequency 6

Frequency, MHz	900
Attenuation, dB/100ft [dB/100m]	5.1 [16.73]

Frequency 7

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	5.4 [17.72]

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 Wound Filament Dielectric Coax Cable Double Shielded with Black PVC Jacket PE-B405](#)

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 Wound Filament Dielectric Coax
Cable Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

PE-B405

Mechanical Specifications

Inner Conductor

Material	Copper
Diameter, in [mm]	0.108 [2.74]

Dielectric:

Type	PE (AS)
Diameter, in [mm]	0.286 [7.26]

Shield:

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid

Jacket:

Material	PVC
Diameter, in [mm]	0.4 [10.16]
Color	Black
Weight, lbs/ft [Kg/m]	0.115 [0.17]

Compliance Certifications (visit www.Pasternack.com for current document)

Plotted and Other Data

Notes:	Values at 25 °C, sea level
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Flexible RG8 Type with Wound Filament 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.

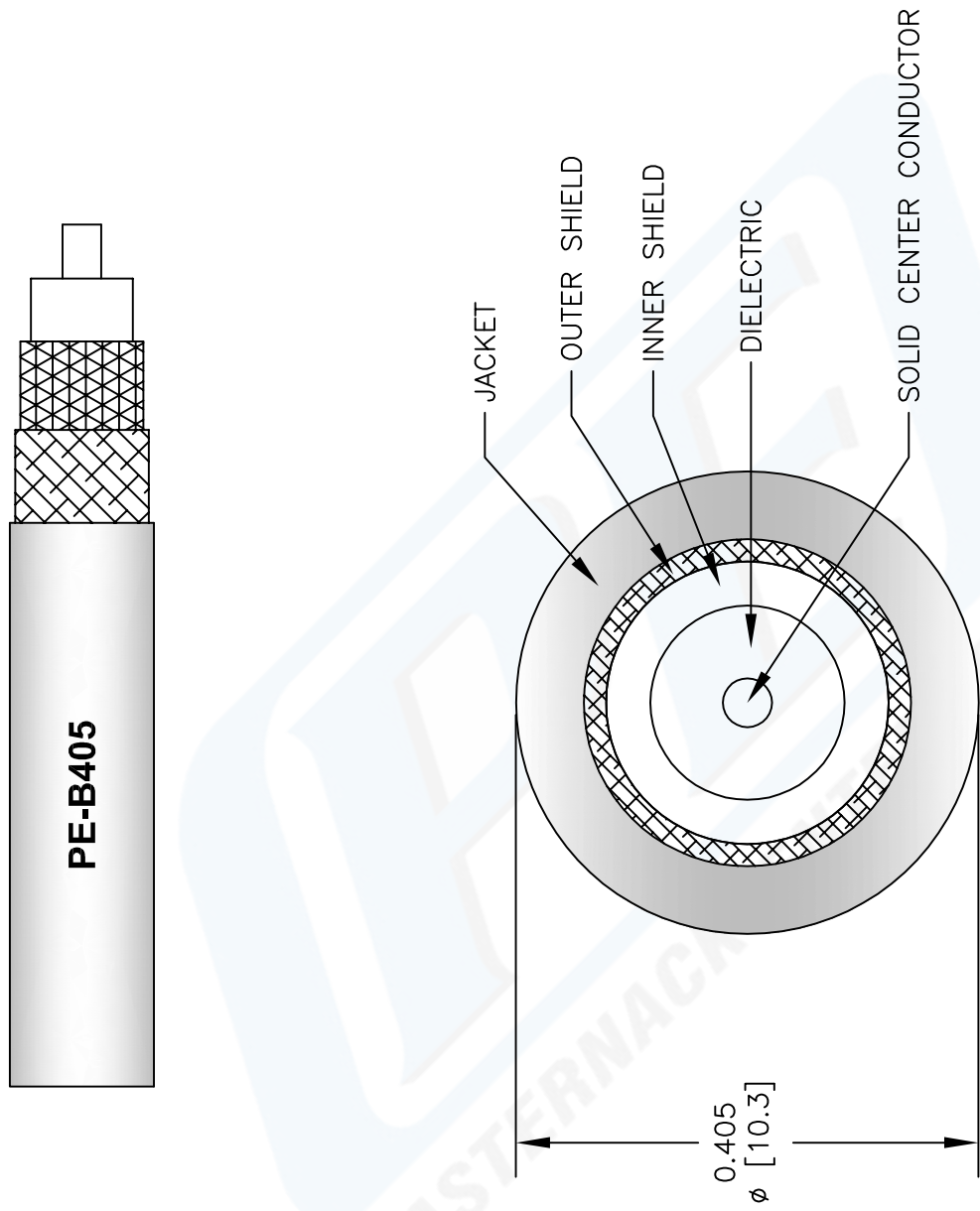
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URL: <http://www.pasternack.com/flexible-0.405-rg8-type-50-ohm-coax-cable-pvc-jacket-pe-b405-p.aspx>

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PE-B405 CAD Drawing

Flexible RG8 Type with Wound Filament 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].

DWG TITLE		FSCM NO. 53919		CAD FILE 022808		SCALE N/A	SIZE A	127
PE-B405								

**PASTERNAK®**
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