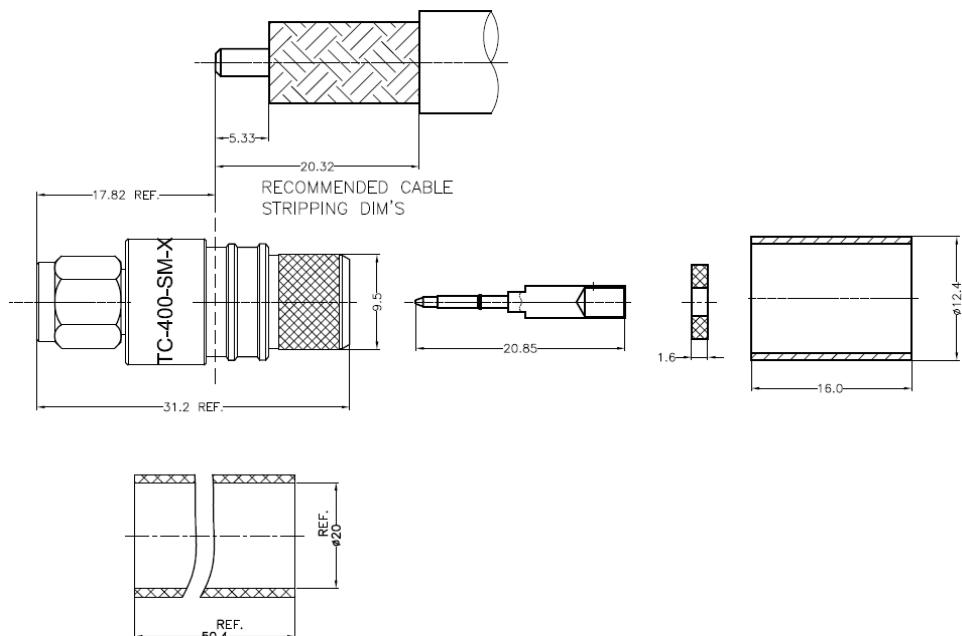


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	4/14/14	J.D.B.	4/16/14

REMARKS:

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



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

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

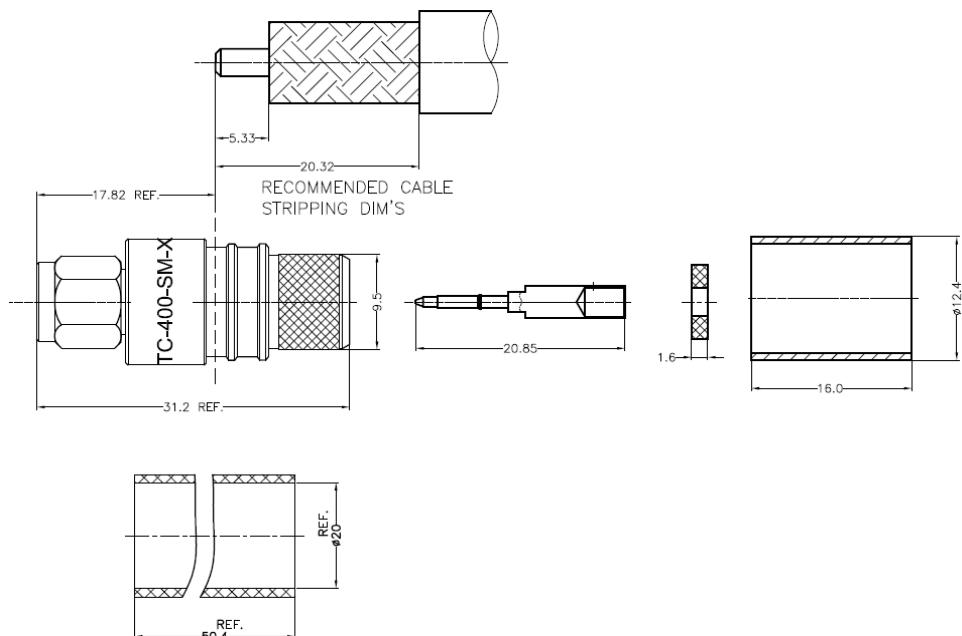
MATERIAL: SEE ABOVE	UNLESS OTHERWISE SPECIFIED		DFTM: N. N. N DATE: 4/14/14 CHKD: J. D. B. DATE: 4/16/14 APPD: J. D. B.	TIMES MICROWAVE SYSTEMS  <b>TC-400-SM-X</b> SMA Male for LMR-400
	ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED: 1)EDGES C0.15 MAX; 2)REMOVE ALL BURRS; 3)SURFACE ROUGHNESS Ra1.6;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

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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

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FERRULE	BRASS C3604	ALBALOY PLATEING

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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

MATERIAL: SEE ABOVE	UNLESS OTHERWISE SPECIFIED		DFTM: N. N. N DATE: 4/14/14 CHKD: J. D. B. DATE: 4/16/14 APPD: J. D. B.	TIMES MICROWAVE SYSTEMS  <b>TC-400-SM-X</b> SMA Male for LMR-400
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USED ON:	SCALE: ~	DWG SIZE A	DO NOT SCALE DRAWING	CODE IDENT: 68999 DATE: 4/16/14
			SH. 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](http://www.Pasternack.com) for current document)

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

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.

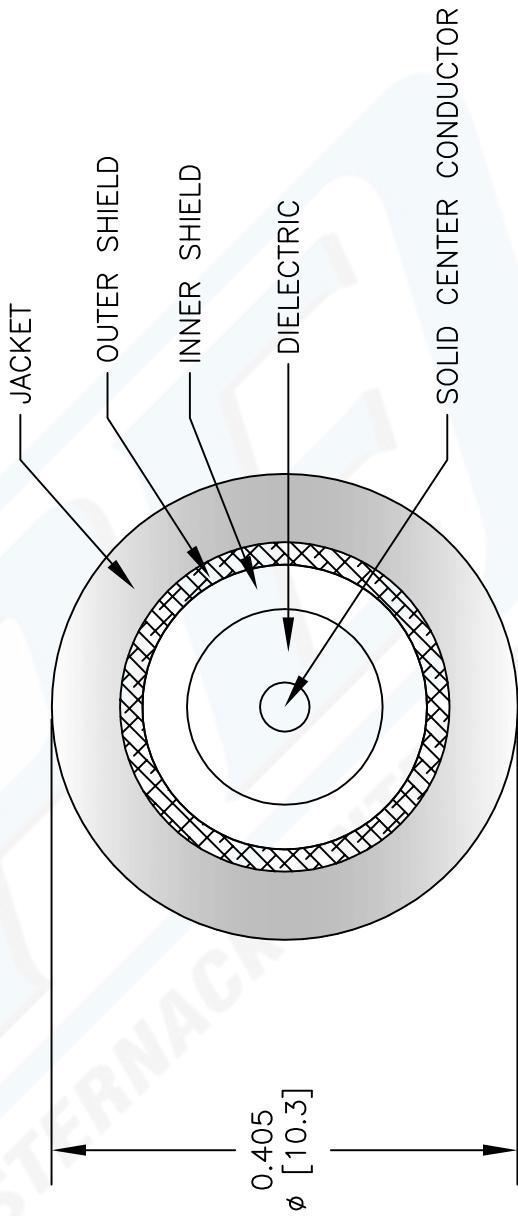
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URL: <http://www.pasternack.com/flexible-0.405-rg8-type-50-ohm-coax-cable-pvc-jacket-pe-b405-p.aspx>

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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  
**PE-B405**

**PE PASTERNACK®**  
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FSM NO.	CAD FILE	SCALE	SIZE	REV
53919	022808	N/A	A	127