



N Male Connector Clamp/Solder Attachment For PE-C500

TECHNICAL DATA SHEET

PE44046

N Male Connector Clamp/Solder Attachment For PE-C500

Configuration

Connector	N Male
Connector Specification	MIL-STD-348A
Connector Interface Type	PE-C500
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Size

Length, in [mm]	2.12 [53.85]
Width/Dia., in [mm]	0.87 [22.10]
Weight, lbs [g]	0.22 [99.79]

Connector

Type	N Male
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100µ in. minimum
Dielectric Type	Teflon

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment For PE-C500 PE44046](#)

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N Male Connector Clamp/Solder Attachment For PE-C500

TECHNICAL DATA SHEET

PE44046

Plotted and Other Data

Notes:

Values at 25 °C, sea level

N Male Connector Clamp/Solder Attachment For PE-C500 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.

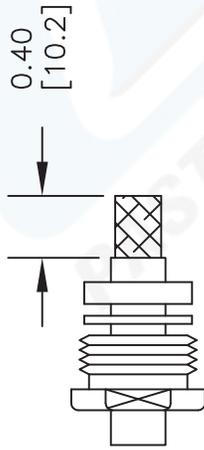
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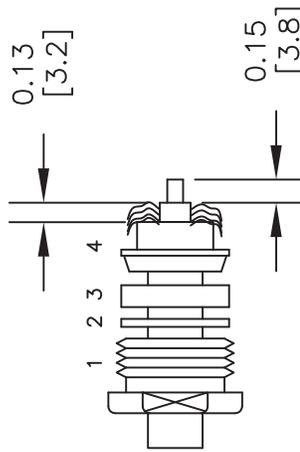
ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST JACKET.

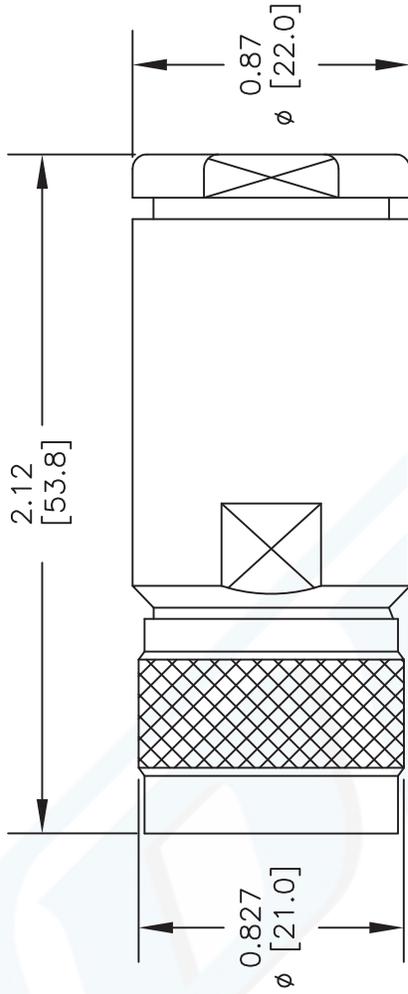


1 2 3

2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



1 2 3 4



DWG TITLE

PE44046

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].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919

CAD FILE 032513-B

SCALE N/A

SIZE A

2233



PASTERNAK®
 Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623
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Website: www.pasternack.com | **E-Mail:** sales@pasternack.com



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RoHS Compliant	Yes
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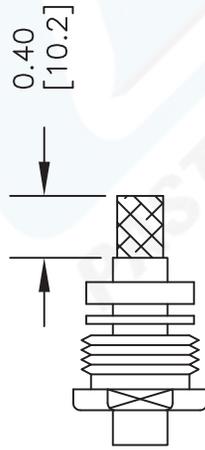
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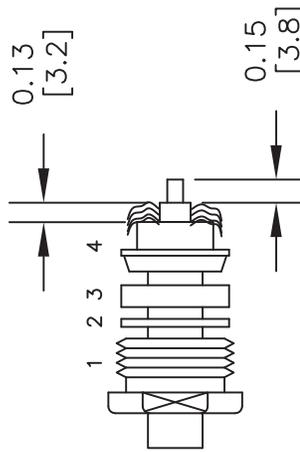
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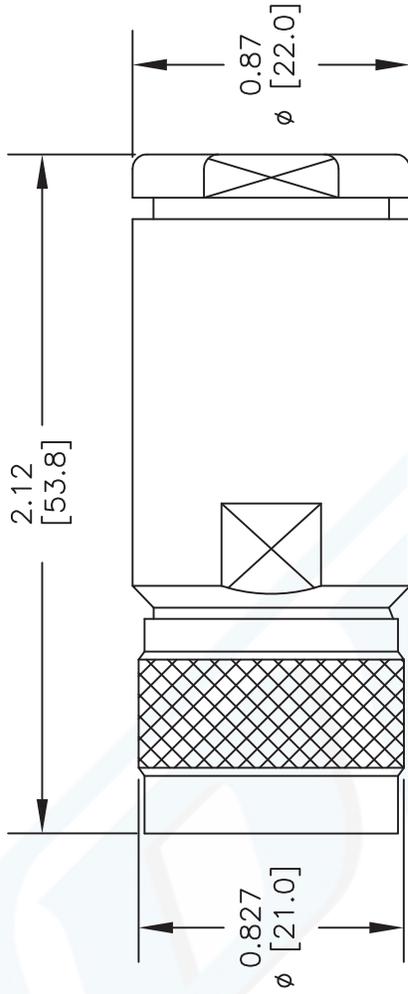


1 2 3

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1 2 3 4



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FSCM NO. 53919

CAD FILE 032513-B

SCALE N/A

SIZE A

2233



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Low Loss Flexible .500 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C500

Low Loss Flexible .500 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PE (F)
Shield Materials	Aluminum Tape, Tinned Copper Braid
Jacket Material and Color	PE, Black

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	86
Maximum Operating Frequency, GHz	6
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	23.6 [77.43]
Maximum Operating Voltage, Volts	3,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	50
Attenuation, dB/100ft [dB/100m]	0.7 [2.3]
Power Handling, KWatts	3.4

Frequency 2

Frequency, MHz	150
Attenuation, dB/100ft [dB/100m]	1.2 [3.94]
Power Handling, KWatts	1.9

Frequency 3

Frequency, GHz	1.5
Attenuation, dB/100ft [dB/100m]	4.1 [13.45]
Power Handling, Watts	570

Frequency 4

Frequency, GHz	2.5
Attenuation, dB/100ft [dB/100m]	5.5 [18.04]
Power Handling, Watts	430

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +85
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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 .500 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C500](#)

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Low Loss Flexible .500 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C500

Inner Conductor

Number of Strands	1
Material	Copper Clad Aluminum
Diameter, in [mm]	0.142 [3.61]

Dielectric:

Type	PE (F)
Diameter, in [mm]	0.37 [9.4]

Shield:

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

Jacket:

Material	PE
Diameter, in [mm]	0.5 [12.7]
Color	Black
Weight, lbs/ft [Kg/m]	0.11 [0.16]

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

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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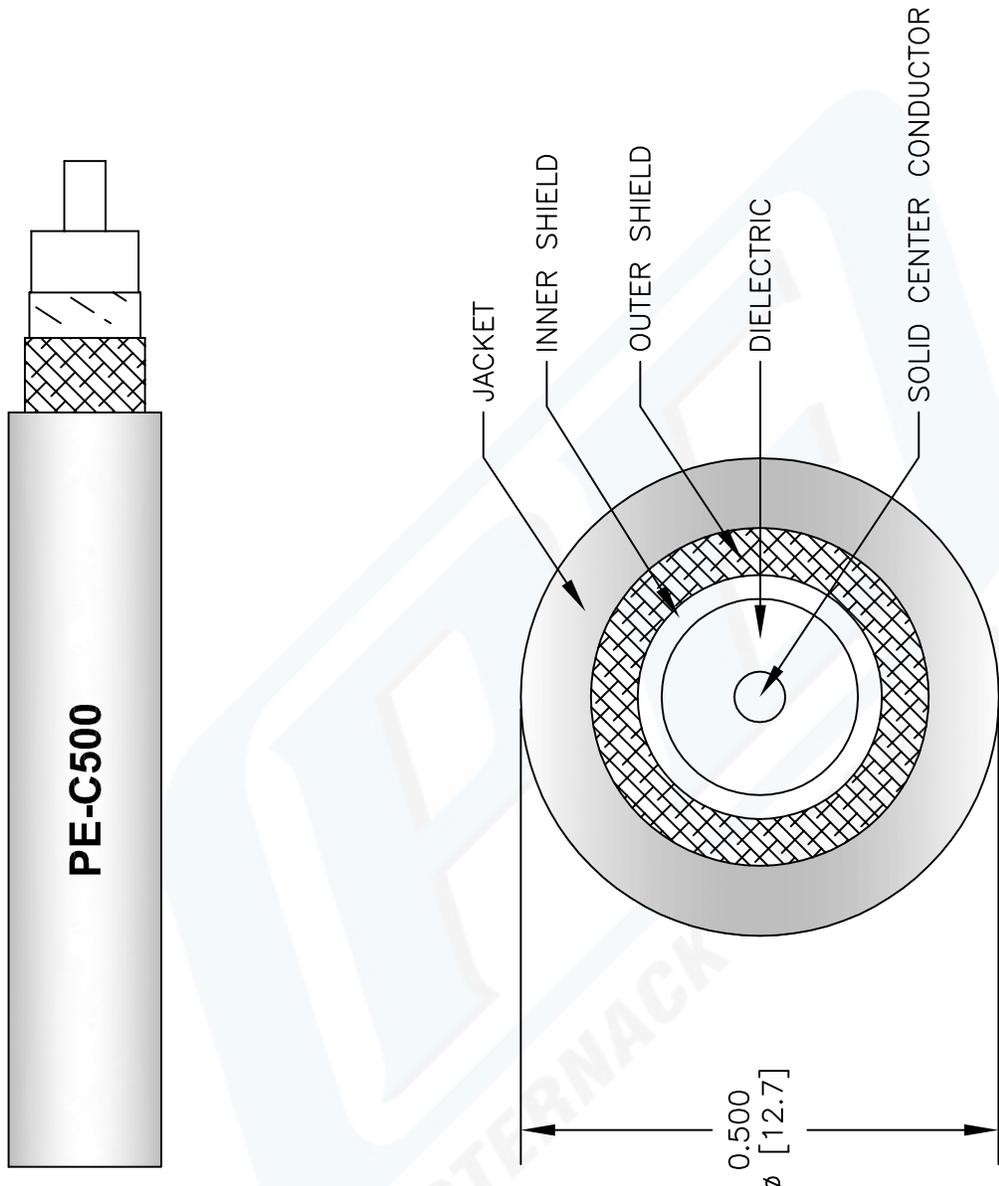
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URL: <http://www.pasternack.com/flexible-0.500-50-ohm-coax-cable-pe-jacket-pe-c500-p.aspx>

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PE-C500 CAD Drawing

Low Loss Flexible .500 inch Foam Dielectric Type Coax
Cable Double Shielded with Black PE Jacket



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DWG TITLE
PE-C500

FSCM NO. 53919

CAD FILE 040113-A

SCALE N/A

SIZE A

127

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