



2.92mm Male to 2.92mm Female VNA Test  
Cable 60 Inch Length, RoHS

TECHNICAL DATA SHEET

PE321-60

**2.92mm Male to 2.92mm Female VNA Test Cable 60 Inch Length, RoHS**

**Configuration**

Connector 1	2.92mm Male
Connector 1 Specification	MIL-STD-348
Connector 2	2.92mm Female
Connector 2 Specification	MIL-STD-348
Cable Type	

**Electrical Specifications**

Frequency Range, GHz	DC to 40
Impedance, Ohms	50
Maximum VSWR	1.38:1
Velocity of Propagation, %	77
RF Shielding, dB	100
Dielectric Withstanding Voltage (AC), Vrms	1,000

**Typical Performance by Frequency**

**Frequency 1**

Frequency, GHz	10
VSWR	1.12:1
Return Loss, dB	25
Insertion Loss	0.43 dB/ft [ 1.41 dB/m ]

**Frequency 2**

Frequency, GHz	18
VSWR	1.17:1
Return Loss, dB	22
Insertion Loss	0.59 dB/ft [ 1.94 dB/m ]

**Frequency 3**

Frequency, GHz	26.5
VSWR	1.22:1
Return Loss, dB	20
Insertion Loss	0.72 dB/ft [ 2.36 dB/m ]

**Frequency 4**

Frequency, GHz	40
VSWR	1.38:1
Return Loss, dB	16
Insertion Loss	0.9 dB/ft [ 2.95 dB/m ]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Female VNA Test Cable 60 Inch Length, RoHS PE321-60](#)

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.



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**Mechanical Specifications**  
**Cable Assembly**

**Temperature**

Temperature Operating Range, deg C -55 to +165

**Size**

Length, in [cm] 60 [152.4]  
Diameter, in [mm] 0.362 [9.19]  
One Time Minimum Bend Radius, in [mm] 1 [25.4]

**Cable**

Center Conductor Type Solid  
Cable Inner Conductor Copper, Silver  
No of Shields 2  
Dielectric Type PTFE  
Jacket Material FEP

**Connector 1**

Type 2.92mm Male  
Configuration Straight  
Inner Conductor Material and Plating Gold  
Coupling Nut Material and Plating Passivated Stainless Steel  
Hex Size, in. 5/16  
Torque, in-lbs [Nm] 8 [0.9]  
Body Material and Plating Passivated Stainless Steel  
Dielectric Type PPO

**Connector 2**

Type 2.92mm Female  
Configuration Straight  
Inner Conductor Material and Plating Gold  
Body Material and Plating Passivated Stainless Steel  
Dielectric Type PPO

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant Yes

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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

2.92mm Male to 2.92mm Female VNA Test Cable 60 Inch Length, RoHS 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.

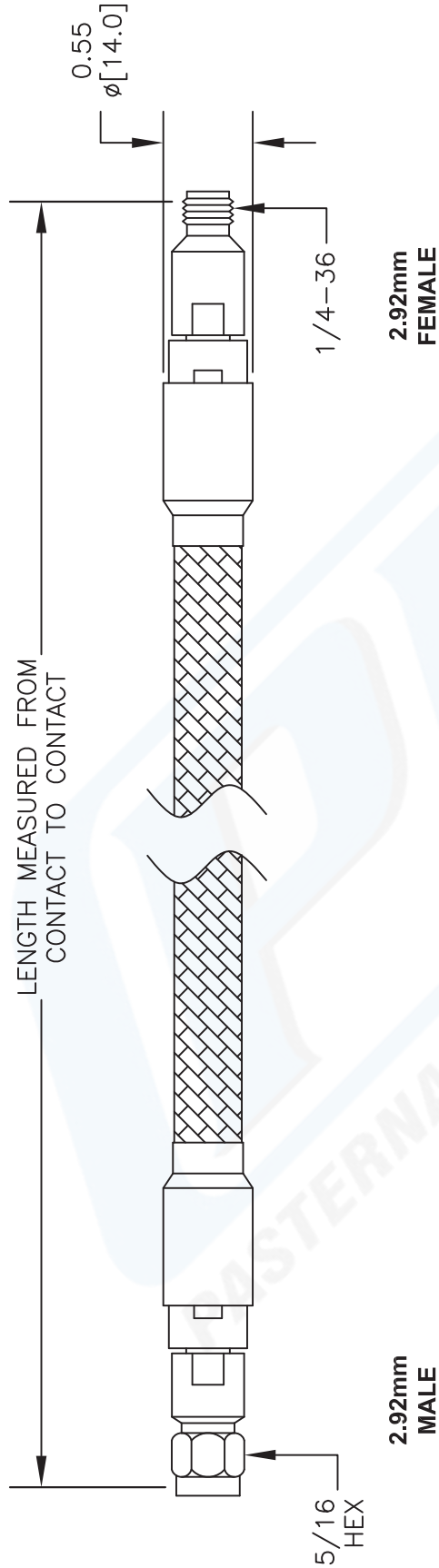
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Female VNA Test Cable 60 Inch Length, RoHS PE321-60](#)

URL: <http://www.pasternack.com/2.92mm-male-2.92mm-female-vna-cable-cable-assembly-pe321-60-p.aspx>

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# PE321-60 CAD Drawing

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How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
<b>Part Number Configuration</b> PE3 [zz] [yy] - [xx] [uu] 00 - 99999 LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables		-12	12"	-25CM	25Cm
Examples PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM < Blank > = Inches CM = Centimeters Length		-24	24"	-50CM	50Cm
		-36	36"	-75CM	75Cm
		-48	48"	-100CM	100Cm
		-60	60"	-125CM	125Cm
		-xx	Custom Length	-xxCM	Custom Length

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. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE  
**PE321**

**PE PASTERNAK®**  
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FSCM NO. 53919	CAD FILE 012111	SCALE N/A	SIZE A	2233
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