



## 2.92mm Male to 2.92mm Male Test Cable 24 Inch Length Using VNA Cable Coax, RoHS

### TECHNICAL DATA SHEET

PE319-24

#### 2.92mm Male to 2.92mm Male Test Cable 24 Inch Length Using VNA Cable Coax, RoHS

##### Configuration

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

##### 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 ]
Power Handling, Watts	150

###### 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 Male Test Cable 24 Inch Length Using VNA Cable Coax, RoHS PE319-24](#)

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

Cable Type VNA Cable

##### Temperature

Temperature Operating Range, deg C -55 to +165

##### Size

Length, in [mm] 24 [609.6]  
 Diameter, in [mm] 0.362 [9.19]

##### 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 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

#### 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 Male Test Cable 24 Inch Length Using VNA Cable Coax, 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.

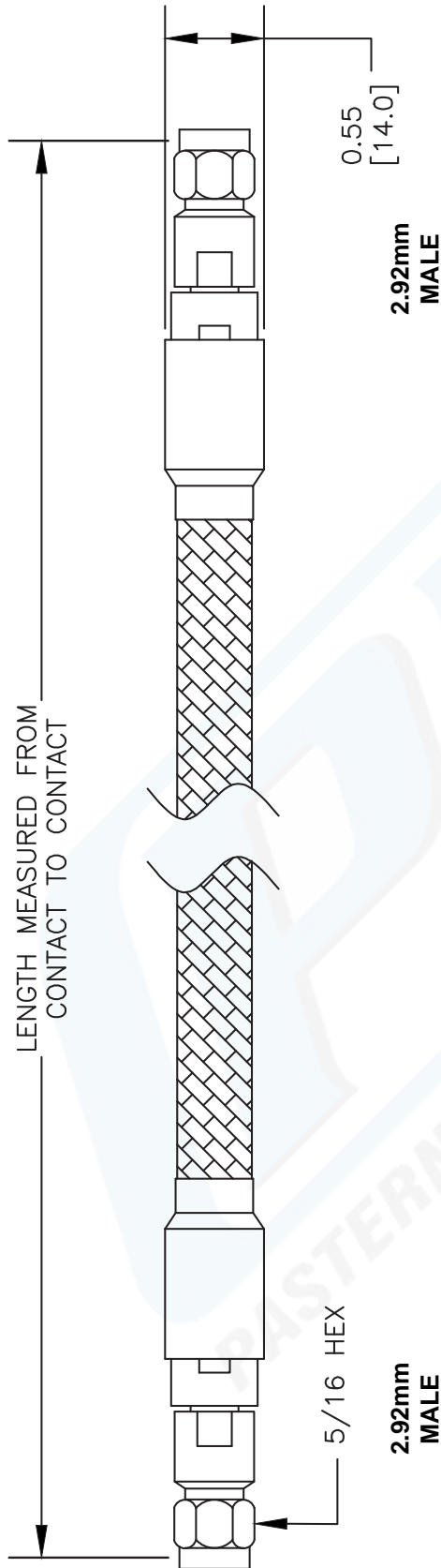
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Test Cable 24 Inch Length Using VNA Cable Coax, RoHS PE319-24](http://www.pasternack.com/2.92mm-male-2.92mm-male-vna-cable-cable-assembly-pe319-24-p.aspx)

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# PE319-24 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 [ZZZ] [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		-24	24"	-50CM	50Cm
CM = Centimeters < Blank > = Inches _____ Length		-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  
**PE319**

**PE PASTERNAK®**  
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FSCM NO. 53919	CAD FILE 012411-C	SCALE N/A	SIZE A	2233
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