



2.92mm Male to 2.92mm Male VNA Test Cable, ROHS

TECHNICAL DATA SHEET

PE319

2.92mm Male to 2.92mm Male VNA Test Cable, 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 VNA Test Cable, ROHS PE319](#)

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

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 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 for current document)

RoHS Compliant Yes

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Plotted and Other Data

Notes:

Values at 25 °C, sea level

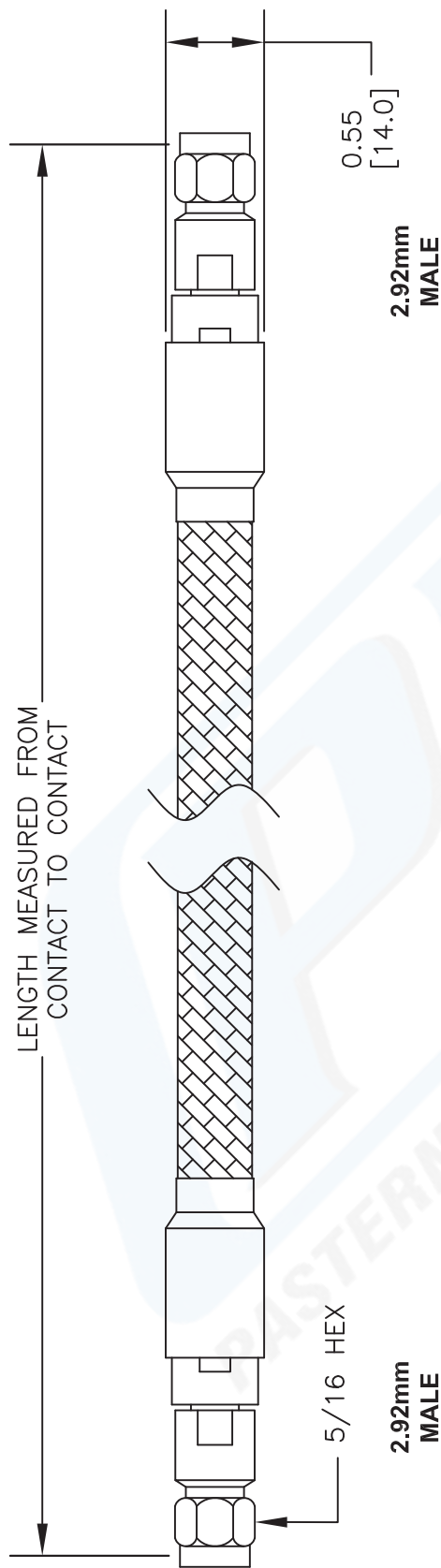
2.92mm Male to 2.92mm Male VNA Test Cable, ROHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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 VNA Test Cable, ROHS PE319](http://www.pasternack.com/2.92mm-male-2.92mm-male-vna-cable-cable-assembly-pe319-p.aspx)

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PE319 CAD Drawing
2.92mm Male to 2.92mm Male VNA Test Cable, ROHS



How To Order					
<div>Part Number Configuration</div> <div>PE3 <div>zzz</div> <div>yy</div> - <div>xx</div> <div>uu</div></div> <div>00 - 99999</div> <div>LF = RoHS Compliant < Blank > = Standard</div> <div>Note: LF applies only to RF cables</div>		<div>Examples</div> <div>PE3000LF-100</div> <div>PE3000-100</div> <div>PE3000LF-100CM</div> <div>PE3000-100CM</div> <div>CM = Centimeters < Blank > = Inches</div> <div>Length</div>			
		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
		-12	12"	-25CM	25Cm
		-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 $\pm 1.5\%$ OR $3/8"$, WHICHEVER IS GREATER.

DWG TITLE
PE319

PE PASTERNAK®
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919
CAD FILE 012411-C
SCALE N/A
SIZE A
2233