



2.92mm Male to 2.92mm Female VNA Test Cable 48 Inch Length, RoHS

TECHNICAL DATA SHEET

PE321-48

2.92mm Male to 2.92mm Female VNA Test Cable 48 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 48 Inch Length, RoHS PE321-48](#)

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] 48 [121.92]
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 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 48 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.

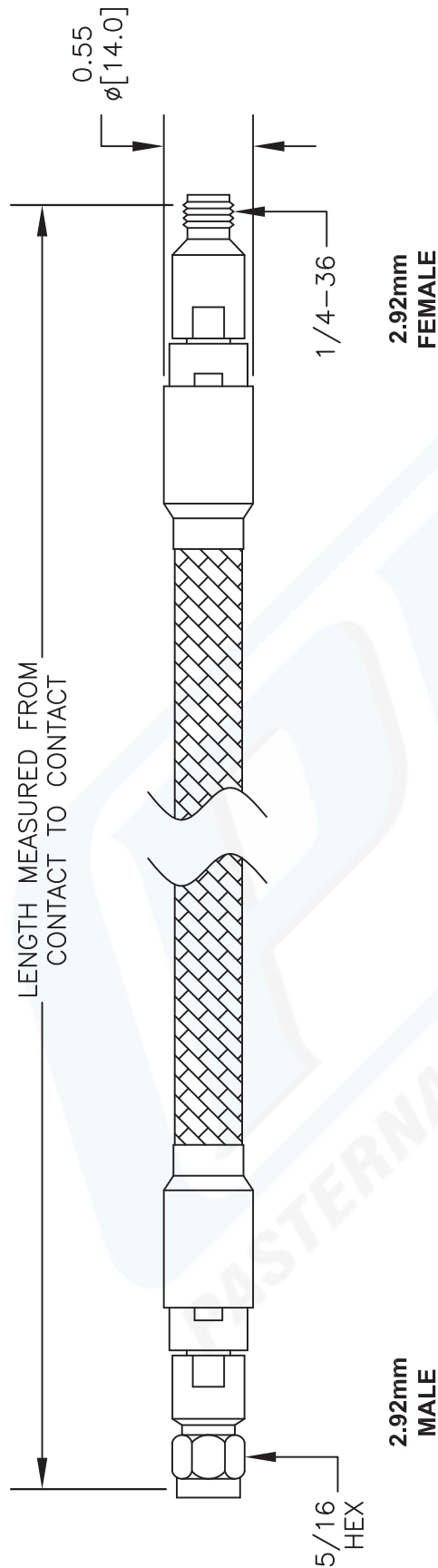
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Female VNA Test Cable 48 Inch Length, RoHS PE321-48](http://www.pasternack.com/2.92mm-male-2.92mm-female-vna-cable-cable-assembly-pe321-48-p.aspx)

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PE321-48 CAD Drawing

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

PE321



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FSCM NO. 53919

CAD FILE

012111

SCALE N/A

SIZE A

2233