



3.5mm Male to 3.5mm Female Test Cable 72 Inch Length Using VNA Cable Coax, RoHS

TECHNICAL DATA SHEET

PE317-72

3.5mm Male to 3.5mm Female Test Cable 72 Inch Length Using VNA Cable Coax, RoHS

Configuration

Connector 1	3.5mm Male
Connector 1 Specification	MIL-STD-348
Connector 2	3.5mm Female
Connector 2 Specification	MIL-STD-348
Cable Type	VNA Cable

Electrical Specifications

Frequency Range, GHz	DC to 26.5
Impedance, Ohms	50
Maximum VSWR	1.29:1
Velocity of Propagation, %	77
RF Shielding, dB	100
Dielectric Withstanding Voltage (AC), Vrms	1,000

Typical Performance by Frequency

Frequency 1

Frequency, MHz	1000
VSWR	1.07:1
Return Loss, dB	30
Insertion Loss	0.08 dB/ft [0.26 dB/m]

Frequency 2

Frequency, GHz	10
VSWR	1.12:1
Return Loss, dB	25
Insertion Loss	0.28 dB/ft [0.92 dB/m]
Power Handling, Watts	286

Frequency 3

Frequency, GHz	18
VSWR	1.22:1
Return Loss, dB	20
Insertion Loss	0.39 dB/ft [1.28 dB/m]

Frequency 4

Frequency, GHz	26.5
VSWR	1.29:1
Return Loss, dB	18
Insertion Loss	0.49 dB/ft [1.61 dB/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Male to 3.5mm Female Test Cable 72 Inch Length Using VNA Cable Coax, RoHS PE317-72](#)

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 [cm] 72 [182.88]

Diameter, in [mm] 0.47 [11.94]

Cable

Center Conductor Type Solid

Cable Inner Conductor Copper, Silver

No of Shields 2

Dielectric Type PTFE

Jacket Material FEP

Connector 1

Type 3.5mm 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 3.5mm 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

3.5mm Male to 3.5mm Female Test Cable 72 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.

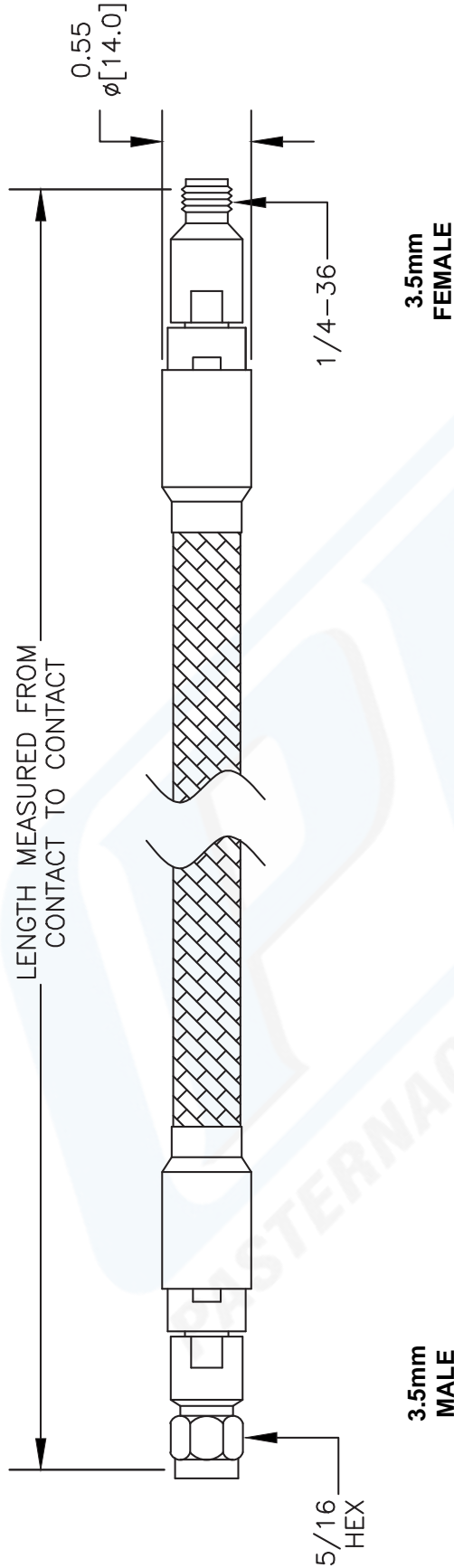
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Male to 3.5mm Female Test Cable 72 Inch Length Using VNA Cable Coax, RoHS PE317-72](http://www.pasternack.com/3.5mm-male-3.5mm-female-vna-cable-cable-assembly-pe317-72-p.aspx)

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PE317-72 CAD Drawing

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How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration 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		-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
PE317

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 012111-B	SCALE N/A	SIZE A	2233
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