



3.5mm Male to 3.5mm Male Cable 48 Inch Length Using RG402 Coax

RF Cable Assemblies Technical Data Sheet

PE34570-48

Configuration

- Connector 1: 3.5mm Male
- Connector 2: 3.5mm Male
- Cable Type: RG402

Features

- Max Frequency 34 GHz

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34570-48 3.5mm male to 3.5mm male 48 inch cable using RG402 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack 3.5mm to 3.5mm cable assembly has a male to male gender configuration with 50 ohm semi-rigid RG402 coax. The PE34570-48 3.5mm male to 3.5mm male cable assembly operates to 34 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		34	GHz
VSWR			1.4:1	
Capacitance		29.9 [98.1]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.32 in [8.13 mm]
Weight	0.166 lbs [75.3 g]

Cable

Cable Type	RG402
Impedance	50 Ohms
Inner Conductor Type	Solid

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 Male Cable 48 Inch Length Using RG402 Coax PE34570-48](#)



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Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1

Copper Clad Steel, Silver
PTFE
1
Copper

Connectors

Description	Connector 1	Connector 2
Type	3.5mm Male	3.5mm Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	50μ in. minimum	50μ in. minimum
Dielectric Type	PCTFE	PCTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 in.	5/16 in.
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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 Male Cable 48 Inch Length Using RG402 Coax PE34570-48](#)

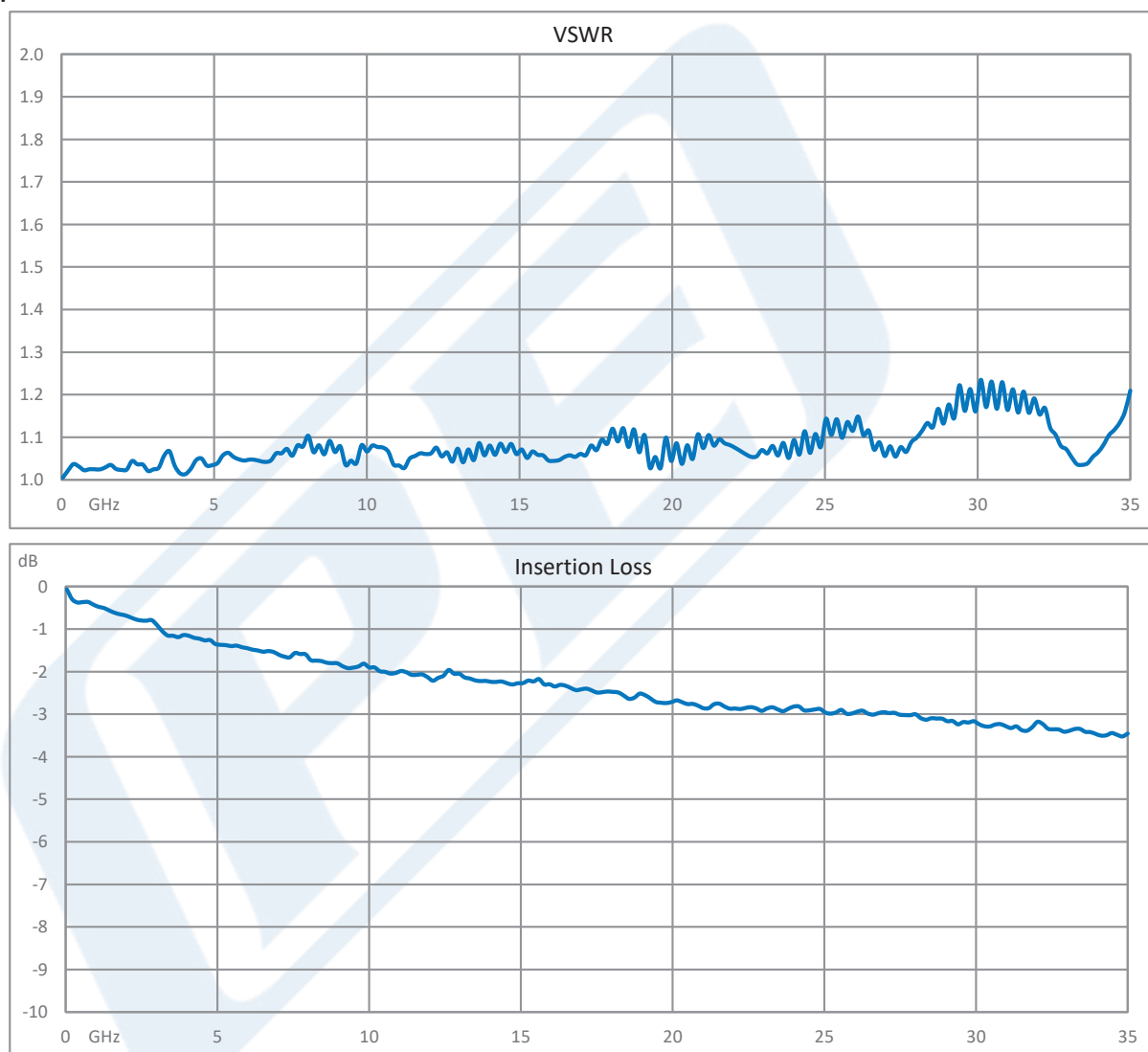


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Typical Performance Data



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How to Order

Part Number Configuration:

PE34570

- xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE34570-12 = 12 inches long cable
PE34570-100cm = 100 cm long cable

3.5mm Male to 3.5mm Male Cable 48 Inch Length Using RG402 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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 Male Cable 48 Inch Length Using RG402 Coax PE34570-48](https://www.pasternack.com/3.5mm-male-3.5mm-male-rg402u-cable-assembly-pe34570-48-p.aspx)

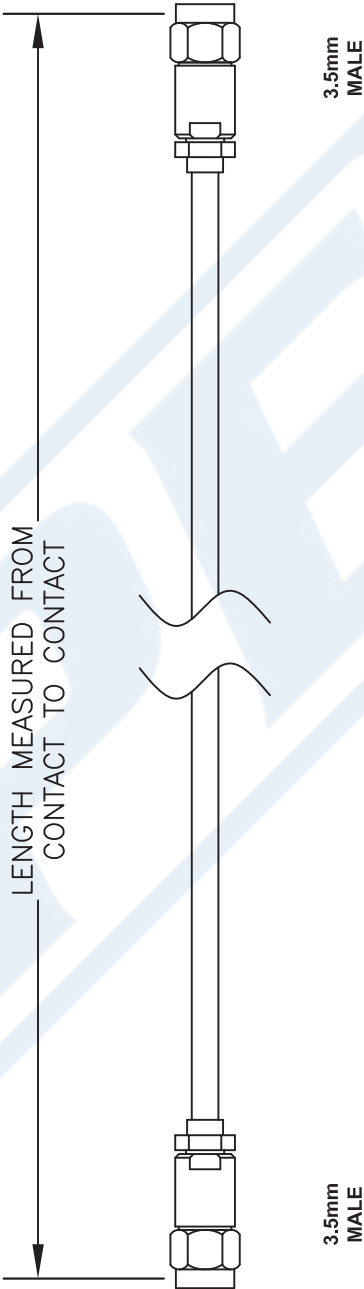
URL: <https://www.pasternack.com/3.5mm-male-3.5mm-male-rg402u-cable-assembly-pe34570-48-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE34570-48 CAD Drawing

3.5mm Male to 3.5mm Male Cable 48 Inch Length Using RG402 Coax

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches





PASTERNAK®
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DWG TITLE

PE34570-XX

REV. A

FSCM NO. 53919

CAD FILE 020408

SCALE N/A

SIZE A

127

- 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.