



3.5mm Male to 3.5mm Female Cable  
6 Inch Length Using RG402 Coax

**RF Cable Assemblies Technical Data Sheet**

**PE34578-6**

**Configuration**

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

**Features**

- Max Frequency 34 GHz

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE34578-6 3.5mm male to 3.5mm female 6 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 female gender configuration with 50 ohm semi-rigid RG402 coax. The PE34578-6 3.5mm male to 3.5mm female 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			1.5:1	
Capacitance		29.9 [98.1]		pF/ft [pF/m]

**Mechanical Specifications**

**Cable Assembly**

Weight 0.051 lbs [23.13 g]

**Cable**

Cable Type RG402  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE

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 Cable 6 Inch Length Using RG402 Coax PE34578-6](#)



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Number of Shields  
Shield Layer 1

1  
Copper

**Connectors**

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

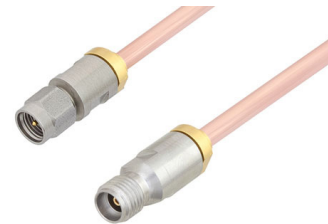
**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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**How to Order**

Part Number Configuration:

**PE34578**

- **xx**

**uu**

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

Example: PE34578-12 = 12 inches long cable  
PE34578-100cm = 100 cm long cable

3.5mm Male to 3.5mm Female Cable 6 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 Female Cable 6 Inch Length Using RG402 Coax PE34578-6](#)

URL: <https://www.pasternack.com/3.5mm-male-3.5mm-female-rg402u-cable-assembly-pe34578-6-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.

# PE34578-6 CAD Drawing

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