



SMA Female to Banana Plug Cable Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

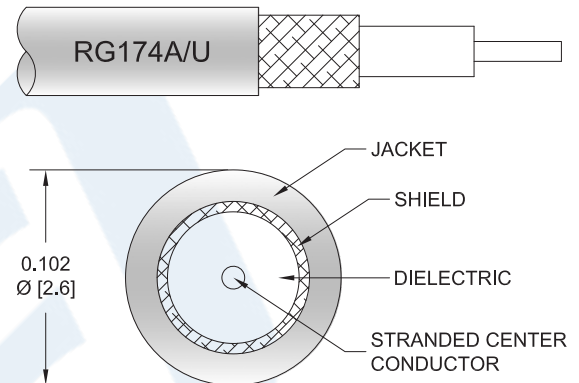
PE36517

Configuration

- Connector 1: SMA Female
- Connector 2: Banana Plug
- Cable Type: RG174

Features

- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE36517 50 ohm SMA female to Banana plug cable using RG174 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to Banana cable assembly has a female to plug gender configuration with 50 ohm flexible RG174 coax.

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
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.061 lbs [27.67 g]

Cable

Cable Type RG174

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female to Banana Plug Cable Using RG174 Coax PE36517](#)



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Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE (LD)
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.1 in [2.54 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	Banana Plug
Specification	MIL-STD-348	
Impedance	50 Ohms	0 Ohms
Mating Cycles	100	
Contact Material and Plating	Beryllium Copper, Gold	Brass, Nickel
Dielectric Type	Teflon	ABS
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Brass, Nickel	Brass, Nickel

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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PE36517

How to Order

Part Number Configuration:

PE36517

- **xx**

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

Example: PE36517-12 = 12 inches long cable
PE36517-100cm = 100 cm long cable

SMA Female to Banana Plug Cable Using RG174 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.

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URL: <https://www.pasternack.com/sma-female-to-banana-plug-cable-using-rg174-pe36517-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.

PE36517 CAD Drawing
SMA Female to Banana Plug Cable Using RG174 Coax

