



BNC Female to MCX Plug Right Angle Cable Using RG174 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

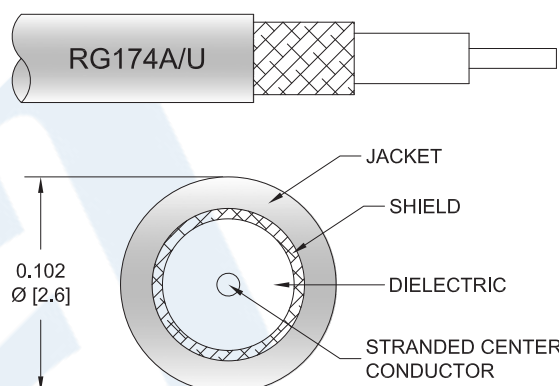
PE33461LF

Configuration

- Connector 1: BNC Female
- Connector 2: MCX Plug Right Angle
- Cable Type: RG174

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33461LF BNC female to MCX plug right angle 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 BNC to MCX cable assembly has a female to plug gender configuration with 50 ohm flexible RG174 coax. The PE33461LF BNC female to MCX plug cable assembly operates to 1 GHz. The right angle MCX interface on the RG174 cable allows for easier connections in tight spaces.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female to MCX Plug Right Angle Cable Using RG174 Coax , LF Solder PE33461LF](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	400	500	1,000	MHz
Insertion Loss (Typ.)	0.084	0.123	0.19	0.211	0.32	dB/ft
	0.28	0.4	0.62	0.69	1.05	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Weight 0.039 lbs [17.69 g]

Cable

Cable Type RG174
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel
Dielectric Type PE
Number of Shields 1
Shield Layer 1 Tinned Copper Braid
Jacket Material PVC, Black
Jacket Diameter 0.11 in [2.79 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BNC Female	MCX Plug Right Angle
Specification	MIL-STD-348A	CECC 22220
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum

Environmental Specifications

Temperature

Operating Range

-40 to +60 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE33461LF

- **xx**

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

Example: PE33461LF-12 = 12 inches long cable
PE33461LF-100cm = 100 cm long cable

BNC Female to MCX Plug Right Angle Cable Using RG174 Coax , LF Solder 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.

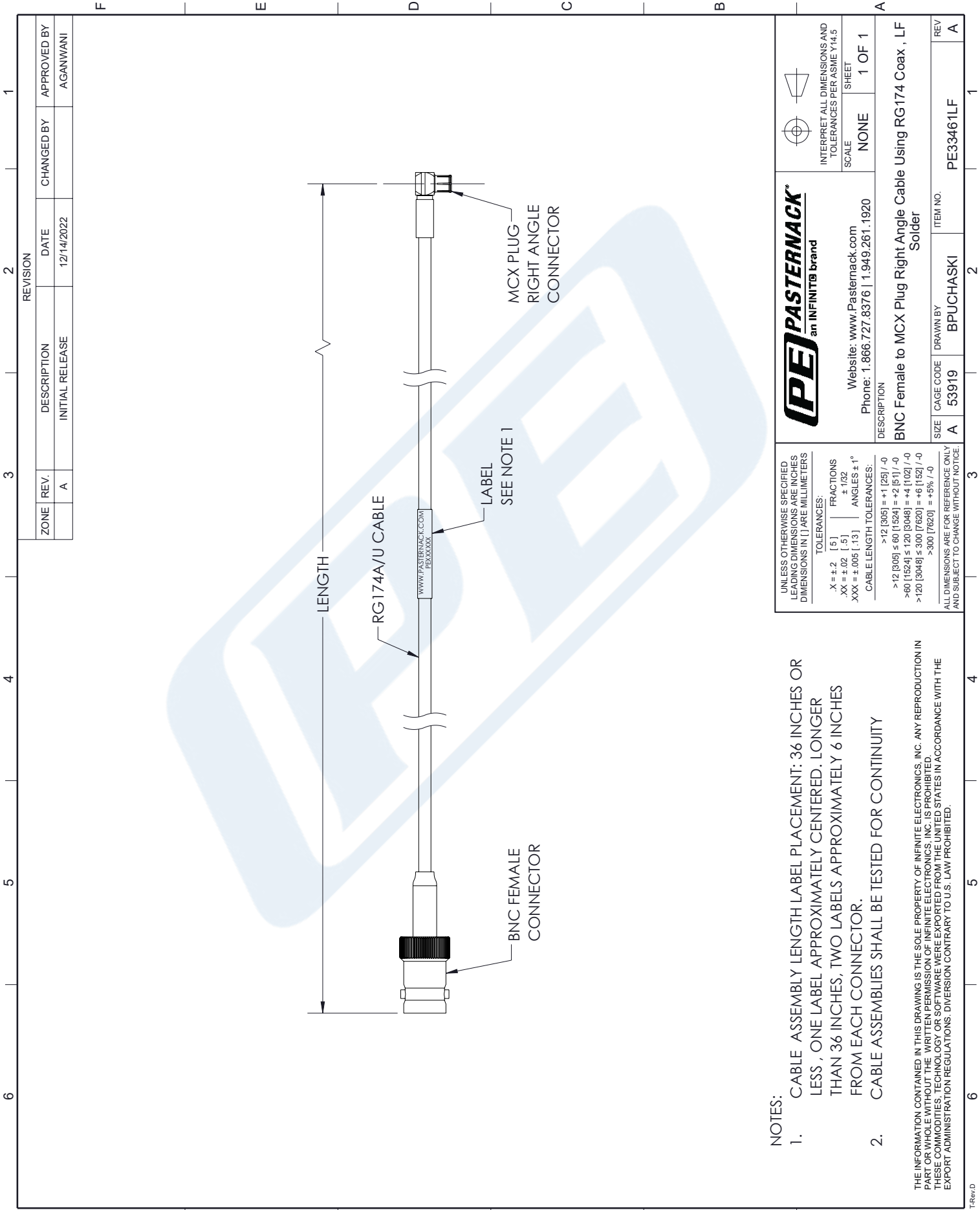
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URL: <https://www.pasternack.com/bnc-female-to-mcx-plug-cable-using-rg174-lf-solder-pe33461lf-p.aspx>

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PE33461LF CAD Drawing

BNC Female to MCX Plug Right Angle Cable Using RG174 Coax , LF Solder



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS , ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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DESCRIPTION BNC Female to MCX Plug Right Angle Cable Using RG174 Coax , LF Solder		
SIZE	CAGE CODE	ITEM NO.
A	53919	BPUCHASKI
DRAWN BY		REV
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