



MMCX Plug to MMCX Plug Right Angle Cable  
12 Inch Length Using RG174 Coax, RoHS

**RF Cable Assemblies Technical Data Sheet**

**PE34881LF-12**

**Configuration**

- Connector 1: MMCX Plug
- Connector 2: MMCX Plug Right Angle
- Cable Type: RG174

**Features**

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

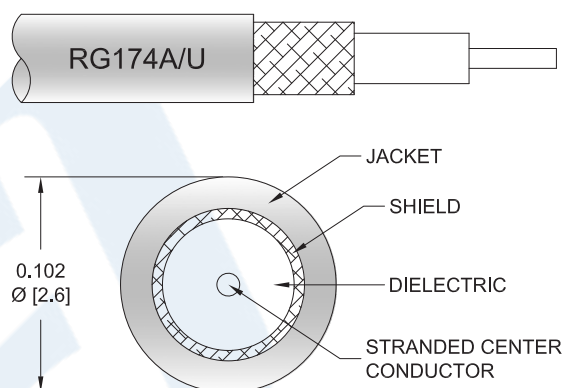
**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE34881LF-12 MMCX plug to MMCX plug right angle 12 inch 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 MMCX to MMCX cable assembly has a plug to plug gender configuration with 50 ohm flexible RG174 coax. The PE34881LF-12 MMCX plug to MMCX plug cable assembly operates to 1 GHz. The right angle MMCX 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: [MMCX Plug to MMCX Plug Right Angle Cable 12 Inch Length Using RG174 Coax, RoHS PE34881LF-12](#)



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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             |         | 30.8 [101.05] |         | pF/ft [pF/m] |

**Specifications by Frequency**

| Description           | F1    | F2     | F3     | F4     | F5     | Units |
|-----------------------|-------|--------|--------|--------|--------|-------|
| Frequency             | 50    | 100    | 250    | 500    | 1,000  | MHz   |
| Insertion Loss (Typ.) | 0.242 | 0.284  | 0.337  | 0.412  | 0.52   | dB    |
| VSWR (Max.)           | 1.4:1 | 1.4:1  | 1.4:1  | 1.4:1  | 1.4:1  |       |
| Return Loss (Max.)    | 15.56 | 15.563 | 15.563 | 15.563 | 15.563 | dB    |

**Mechanical Specifications**

**Cable Assembly**

|          |                    |
|----------|--------------------|
| Length*  | 12 in [304.8 mm]   |
| Diameter | 0.276 in [7.01 mm] |
| Weight   | 0.015 lbs [6.8 g]  |

**Cable**

|                                      |                     |
|--------------------------------------|---------------------|
| Cable Type                           | RG174               |
| 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]    |

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### Connectors

| Description                   | Connector 1     | Connector 2           |
|-------------------------------|-----------------|-----------------------|
| Type                          | MMCX Plug       | MMCX Plug Right Angle |
| Specification                 | BS EN 122340    | BS EN 122340          |
| Impedance                     | 50 Ohms         | 50 Ohms               |
| Contact Material and Plating  | Brass, Gold     | Brass, Gold           |
| Contact Plating Specification | 30μ in. minimum | 30μ in. minimum       |
| Dielectric Type               | Teflon          | Teflon                |
| Body Material and Plating     | Brass, Gold     | Brass, Gold           |
| Body Plating Specification    | 3μ in. minimum  | 3μ in. minimum        |

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

### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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**PE34881LF-12**

**How to Order**

Part Number Configuration:

**PE34881LF**

**- xx**

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

Example: PE34881LF-12 = 12 inches long cable  
PE34881LF-100cm = 100 cm long cable

MMCX Plug to MMCX Plug Right Angle Cable 12 Inch Length Using RG174 Coax, RoHS 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: [MMCX Plug to MMCX Plug Right Angle Cable 12 Inch Length Using RG174 Coax, RoHS PE34881LF-12](https://www.pasternack.com/mmcx-plug-mmcx-plug-right-angle-cable-12-inch-length-using-rg174-coax-rohs-pe34881lf-12)

URL: <https://www.pasternack.com/mmcx-plug-mmcx-plug-rg174au-cable-assembly-pe34881lf-12-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.

# PE34881LF-12 CAD Drawing

MMCX Plug to MMCX Plug Right Angle Cable 12 Inch Length Using RG174 Coax, RoHS

