



SMA Male to MMCX Plug Cable 48 Inch Length Using RG316 Coax

## RF Cable Assemblies - PE34122-48

### Configuration

- Connector 1: SMA Male
- Connector 2: MMCX Plug
- Cable Type: RG316

### Electrical Specifications

| Description     | Minimum | Typical     | Maximum | Units        |
|-----------------|---------|-------------|---------|--------------|
| Frequency Range | DC      |             | 3       | GHz          |
| VSWR            |         |             | 1.4:1   |              |
| Capacitance     |         | 32 [104.99] |         | pF/ft [pF/m] |

### Specifications by Frequency

| Description    | F1    | F2     | F3     | F4     | F5     | Units |
|----------------|-------|--------|--------|--------|--------|-------|
| Frequency      | 0.1   | 0.25   | 0.5    | 1      | 3      | GHz   |
| Insertion Loss | 0.64  | 0.84   | 1.153  | 1.72   | 2.52   | dB    |
| VSWR           | 1.4:1 | 1.4:1  | 1.4:1  | 1.4:1  | 1.4:1  |       |
| Return Loss    | 15.56 | 15.563 | 15.563 | 15.563 | 15.563 | dB    |

### Mechanical Specifications

#### Cable Assembly

|                 |                    |
|-----------------|--------------------|
| Length          | 48 in [121.92 cm]  |
| Diameter        | 0.312 in [7.92 mm] |
| Weight          | 0.02 lbs [9.07 g]  |
| Cable Color     | Tan                |
| Connection Type | Between Series     |

#### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | RG316                      |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Stranded                   |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver  |
| Dielectric Type                      | PTFE                       |
| Number of Shields                    | 1                          |
| Shield Layer 1                       | Silver Plated Copper Braid |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to MMCX Plug Cable 48 Inch Length Using RG316 Coax PE34122-48](#)



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Jacket Material FEP  
Jacket Diameter 0.098 in [2.49 mm]

### Connectors

| Description                        | Connector 1        | Connector 2     |
|------------------------------------|--------------------|-----------------|
| Type                               | SMA Male           | MMCX Plug       |
| Specification                      | MIL-STD-348A       | BS EN 122340    |
| Impedance                          | 50 Ohms            | 50 Ohms         |
| Connection Method                  | Standard           | Standard        |
| Contact Material and Plating       | Brass, Gold        | Brass, Gold     |
| Contact Plating Specification      | 30µ in. Minimum    | 30µ in. minimum |
| Dielectric Type                    | PTFE               | Teflon          |
| Coupling Nut Material and Plating  | Brass, Nickel      |                 |
| Coupling Nut Plating Specification | 100µ in. Minimum   |                 |
| Hex Size                           | 5/16 in            |                 |
| Torque                             | 5 in-lbs [0.57 Nm] | [ ]             |
| Body Material and Plating          | Brass, Nickel      | Brass, Gold     |
| Body Plating Specification         | 100µ in. Minimum   | 3µ in. minimum  |

### Environmental Specifications

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

For RoHS Compliant version, use PE34122LF-48. Contact Pasternack if product cannot be found.  
REACH Compliant 06/18/2012

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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## RF Cable Assemblies - PE34122-48

### How to Order

Part Number Configuration:

PE34122

- xx

uu

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

Example: PE34122-12 = 12 inches long cable  
PE34122-100cm = 100 cm long cable

SMA Male to MMCX Plug Cable 48 Inch Length Using RG316 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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: [SMA Male to MMCX Plug Cable 48 Inch Length Using RG316 Coax PE34122-48](#)

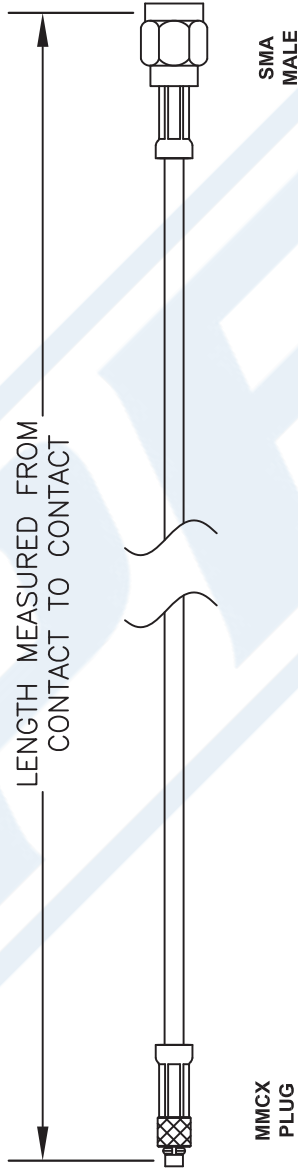
URL: <http://www.pasternack.com/sma-male-mmcx-plug-rg316u-cable-assembly-pe34122-48-p.aspx>

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.

# PE34122-48 CAD Drawing

## SMA Male to MMCX Plug Cable 48 Inch Length Using RG316 Coax

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



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.

DWG TITLE  
**PE34122-XX**

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|        |                |                 |           |        |     |
|--------|----------------|-----------------|-----------|--------|-----|
| REV. A | FSCM NO. 53919 | CAD FILE 012508 | SCALE N/A | SIZE A | 127 |
|--------|----------------|-----------------|-----------|--------|-----|