



Reverse Polarity SMA Male to BNC Male  
Cable Using RG188 Coax

RF Cable Assemblies Technical Data Sheet

PE3C3412

**Configuration**

- Connector 1: SMA Male Reverse Polarity
- Connector 2: BNC Male
- Cable Type: RG188

**Electrical Specifications**

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 3       | GHz   |
| VSWR            |         |         | 1.5:1   |       |

dB/m  
dB/m

**Mechanical Specifications**

**Cable Assembly**

Diameter 0.57 in [14.48 mm]

**Cable**

Cable Type RG188  
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  
Jacket Material PTFE, White  
Jacket Diameter 0.11 in [2.79 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male to BNC Male Cable Using RG188 Coax PE3C3412](#)



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**Connectors**

| Description                        | Connector 1               | Connector 2      |
|------------------------------------|---------------------------|------------------|
| Type                               | SMA Male Reverse Polarity | BNC Male         |
| Specification                      | MIL-STD-348               | MIL-STD-348A     |
| Impedance                          | 50 Ohms                   | 50 Ohms          |
| Contact Material and Plating       | Gold                      | Brass, Gold      |
| Contact Plating Specification      | MIL-G-45204               | 50µ in. minimum  |
| Dielectric Type                    | PTFE                      | Teflon           |
| Body Material and Plating          | Brass, Nickel             | Brass, Nickel    |
| Body Plating Specification         | QQ-N-290                  | 100µ in. minimum |
| Coupling Nut Material and Plating  | Brass, Nickel             | Brass, Nickel    |
| Coupling Nut Plating Specification | QQ-N-290                  | 100µ in. minimum |
| Hex Size                           | 5/16 inch                 |                  |
| Torque                             | 3 in-lbs [0.34 Nm]        |                  |

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male to BNC Male Cable Using RG188 Coax PE3C3412](#)



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#### How to Order

Part Number Configuration:

**PE3C3412**

- **xx**

**uu**

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

Example: PE3C3412-12 = 12 inches long cable  
PE3C3412-100cm = 100 cm long cable

Reverse Polarity SMA Male to BNC Male Cable Using RG188 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.

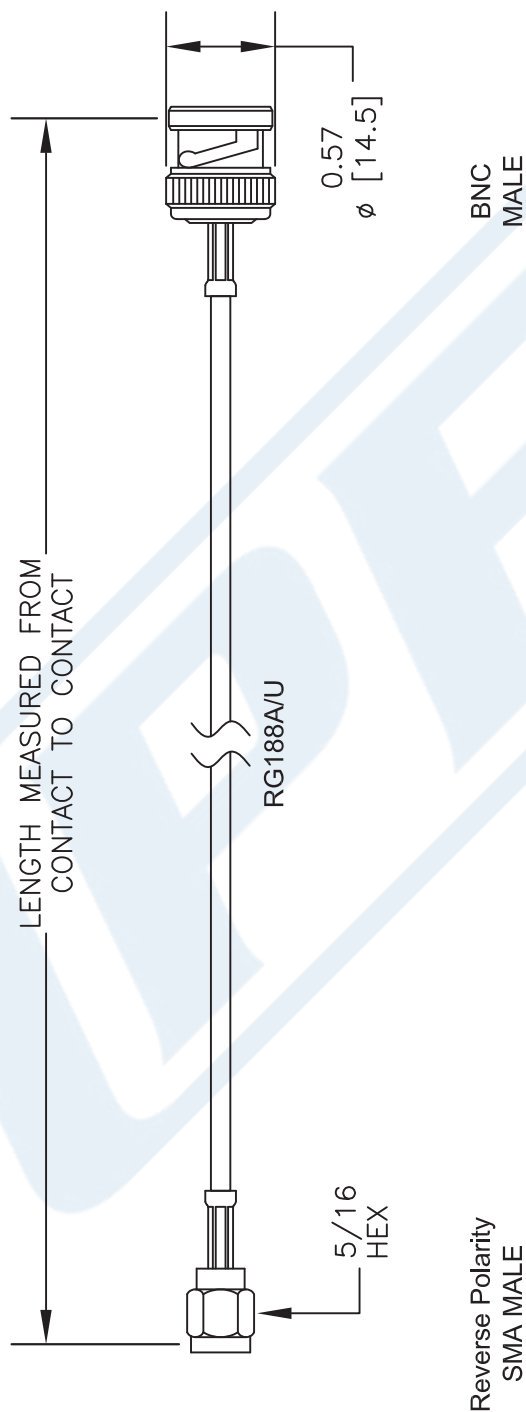
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male to BNC Male Cable Using RG188 Coax PE3C3412](#)

URL: <https://www.pasternack.com/sma-male-bnc-male-rg188au-cable-assembly-pe3c3412-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.

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NOTES:

- 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**

PE3C3412

FSCM NO. 53919

**CAD FILE**      **102616**

SCALE N/A

**SIZE A**

2233

**PE** **PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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