



N Male to Reverse Polarity TNC Male Cable  
12 Inch Length Using RG142 Coax

## RF Cable Assemblies - PE34573-12

### Configuration

- Connector 1: N Male
- Connector 2: TNC Male Reverse Polarity
- Cable Type: RG142

### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 8       | GHz          |
| Velocity of Propagation |         | 69.2         |         | %            |
| RF Shielding            | 90      |              |         | dB           |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |

### Specifications by Frequency

| Description    | F1    | F2   | F3    | F4    | F5 | Units |
|----------------|-------|------|-------|-------|----|-------|
| Frequency      | 500   | 1000 | 2     | 4     | 8  | MHz   |
| Insertion Loss | 0.279 | 0.33 | 0.384 | 0.499 |    | dB    |

### Mechanical Specifications

#### Cable Assembly

|                              |                     |
|------------------------------|---------------------|
| Length                       | 12 in [304.8 mm]    |
| Diameter                     | 0.812 in [20.62 mm] |
| Weight                       | 0.148 lbs [67.13 g] |
| Cable Color                  | Tan                 |
| Connection Type              | Between Series      |
| One Time Minimum Bend Radius | 0.984 in [24.99 mm] |
| Repeated Minimum Bend Radius | 2 in [50.8 mm]      |

#### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | RG142                      |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver  |
| Dielectric Type                      | PTFE                       |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | 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: [N Male to Reverse Polarity TNC Male Cable 12 Inch Length Using RG142 Coax PE34573-12](#)



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## RF Cable Assemblies - PE34573-12

Jacket Material  
Jacket Diameter

FEP  
0.195 in [4.95 mm]

### Connectors

| Description                        | Connector 1   | Connector 2               |
|------------------------------------|---------------|---------------------------|
| Type                               | N Male        | TNC Male Reverse Polarity |
| Specification                      | MIL-STD-348   |                           |
| Impedance                          | 50 Ohms       | 50 Ohms                   |
| Connection Method                  | Standard      | Standard                  |
| Contact Material and Plating       | Brass, Silver | Brass, Gold               |
| Contact Plating Specification      |               | 30μ in. minimum           |
| Dielectric Type                    | Teflon        | Teflon                    |
| Coupling Nut Material and Plating  |               | Brass, Nickel             |
| Coupling Nut Plating Specification |               | 100μ in. minimum          |
| Body Material and Plating          | Brass, Nickel | Brass, Nickel             |
| Body Plating Specification         |               | 100μ in. minimum          |

### Environmental Specifications

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

For RoHS Compliant version, use PE34573LF-12. 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 - PE34573-12

### How to Order

Part Number Configuration:

**PE34573**

- **xx**

**uu**

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

Example: PE34573-12 = 12 inches long cable  
PE34573-100cm = 100 cm long cable

N Male to Reverse Polarity TNC Male Cable 12 Inch Length Using RG142 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.

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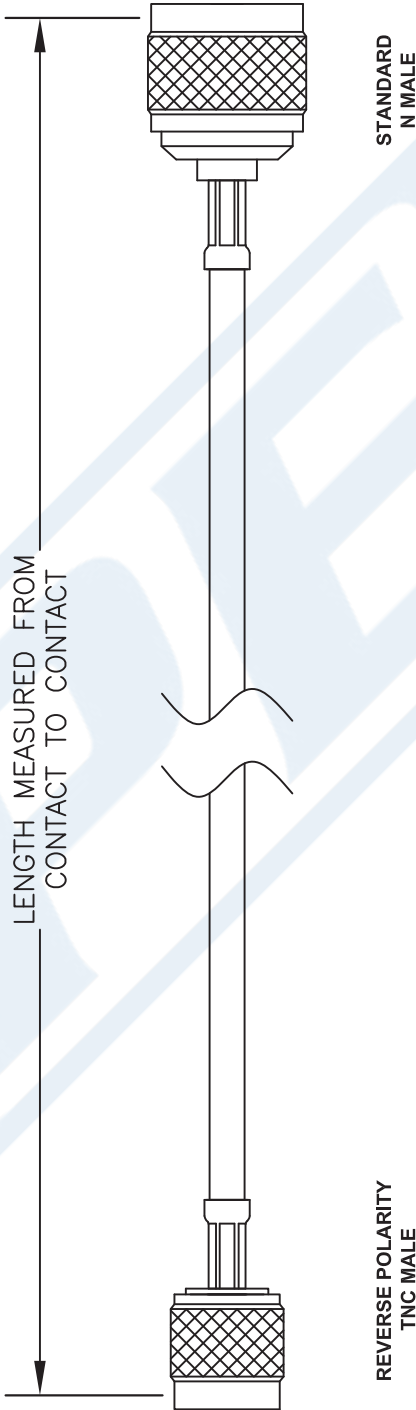
URL: <http://www.pasternack.com/n-male-tnc-male-rg142bu-cable-assembly-pe34573-12-p.aspx>

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.

PE34573-12 CAD Drawing

N Male to Reverse Polarity TNC Male Cable 12 Inch Length Using RG142 Coax

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





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DWG TITLE  
**PE34573-XX**

- 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.

|        |                |                 |           |        |     |
|--------|----------------|-----------------|-----------|--------|-----|
| REV. - | FSCM NO. 53919 | CAD FILE 022307 | SCALE N/A | SIZE A | 127 |
|--------|----------------|-----------------|-----------|--------|-----|