



N Male to SMA Male Cable Using RG142 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

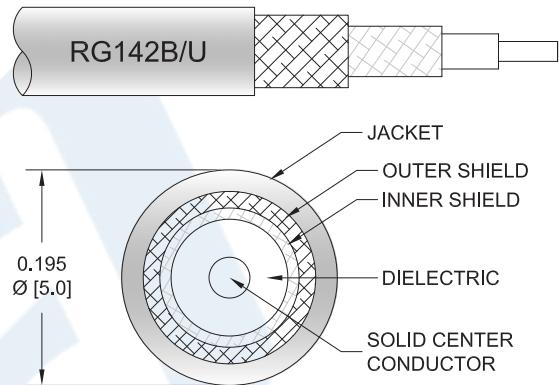
PE3C4653/HS

Configuration

- Connector 1: N Male
- Connector 2: SMA Male
- Cable Type: RG142

Features

- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C4653/HS type N male to SMA male cable using RG142 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 type N to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG142 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|--------------|---------|--------------|
| Velocity of Propagation | | 70 | | % |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Mechanical Specifications

Cable Assembly

Weight 0.13 lbs [58.97 g]

Cable

Cable Type RG142

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 SMA Male Cable Using RG142 Coax with HeatShrink PE3C4653/HS](#)



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| | |
|--------------------------------------|----------------------------|
| 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 |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.195 in [4.95 mm] |
| Repeated Minimum Bend Radius | 1 in [25.4 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|----------------------|--------------------|
| Type | N Male | SMA Male |
| Specification | MIL-STD-348A | MIL-STD-348 |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 30 μ in minimum | MIL-G-45204 |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100 μ in minimum | QQ-N-290 |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Plating Specification | 100 μ in minimum | QQ-N-290 |
| Hex Size | | 16-May inch |
| Torque | | 3 in-lbs [0.34 Nm] |

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

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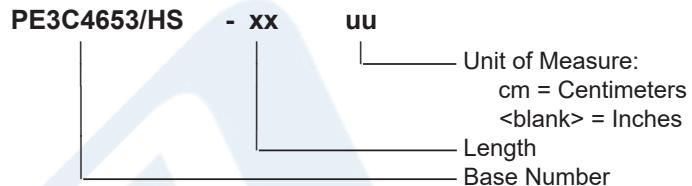
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PE3C4653/HS

How to Order

Part Number Configuration:



Example: PE3C4653/HS-12 = 12 inches long cable
PE3C4653/HS-100cm = 100 cm long cable

N Male to SMA Male Cable Using RG142 Coax with HeatShrink 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: [N Male to SMA Male Cable Using RG142 Coax with HeatShrink PE3C4653/HS](#)

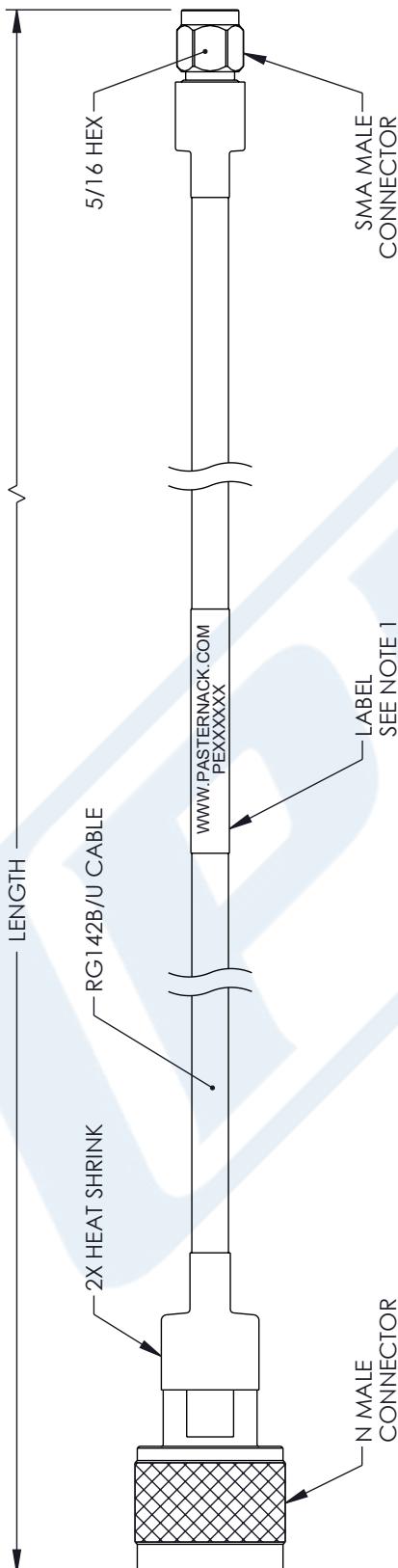
URL: <https://www.pasternack.com/n-male-to-sma-male-cable-using-rg142-with-heatshrink-pe3c4653-hs-p.aspx>

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PE3C4653/HS CAD Drawing

N Male to SMA Male Cable Using RG142 Coax with HeatShrink

INITIAL RELEASE
01/20/2023
D21NN
AGANWAN
A



NOTES:

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

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| N MALE TO SMA MALE COAX WITH HEATSHRINK | | | | REV |
|---|-------------|-------------|-------------|---------|
| ITEM NO. | PE3C3539/HS | PE3C3539/HS | PE3C3539/HS | A |
| SIZE | CAGE CODE | DRAWN BY | | |
| A | 53919 | DZINN | | |
| >30 <150 | 5 <120 | 5 <102 | 5 <102 | 5 <102 |
| >120 <3048 | 5 <3021 | 5 <1652 | 5 <1652 | 5 <1652 |
| >300 <7620 | 5 <65 | 5 <65 | 5 <65 | 5 <65 |
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