

N Male to N Male Right Angle Cable Using RG316 Coax

PE34210

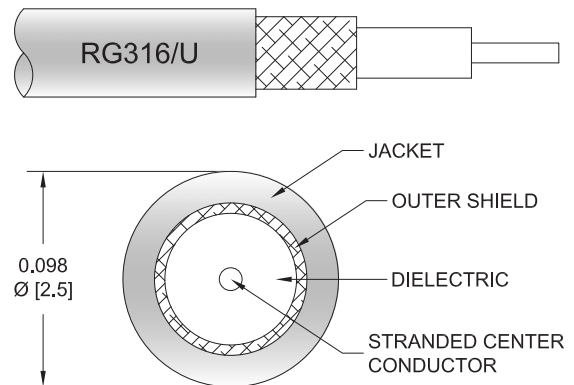


Configuration

- Connector 1: N Male
- Connector 2: N Male Right Angle
- Cable Type: RG316
- Coax Flex Type: Flexible

Features

- Max Frequency 1 GHz
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34210 type N male to type N male right angle cable using RG316 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 type N cable assembly has a male to male gender configuration with 50 ohm flexible RG316 coax. The PE34210 type N male to type N male cable assembly operates to 1 GHz. The right angle type N interface on the RG316 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.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------|---------|-------------|---------|--------------|
| Frequency Range | DC | | 1,000 | MHz |
| VSWR | | 1.5:1 | | |
| Capacitance | | 32 [104.99] | | 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.) | 0.275 | 0.31 | 0.36 | 0.438 | 0.58 | dB/ft |
| | 0.9 | 1.02 | 1.18 | 1.44 | 1.9 | dB/m |

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Mechanical Specifications

Cable Assembly

| | |
|----------------|---------------------|
| Width/Diameter | 0.827 in [21.01 mm] |
| Weight | 0.203 lbs [92.08 g] |

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 |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.098 in [2.49 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|------------------|--------------------|
| Type | N Male | N Male Right Angle |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Right Angle |
| 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, Nickel | Brass, Nickel |
| Body Plating Specification | 100μ in. minimum | 100μ in. minimum |
| Coupling Nut Material and Plating | Brass, Nickel | |
| Coupling Nut Plating Specification | 100μ in. minimum | |

Environmental Specifications

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

Plotted and Other Data

Notes:

Values at 25°C, sea level.

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Typical Performance Data

How to Order

Part Number Configuration:

PE34210

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE34210-12 = 12 inches long cable
PE34210-100cm = 100 cm long cable

N Male to N Male Right Angle Cable Using RG316 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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 N Male Right Angle Cable Using RG316 Coax PE34210](#)

URL: <https://www.pasternack.com/n-male-n-male-rg316u-cable-assembly-pe34210-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE34210 CAD Drawing
N Male to N Male Right Angle Cable Using RG316 Coax

