

## 7/16 DIN Male to HN Male Cable Using RG214 Coax



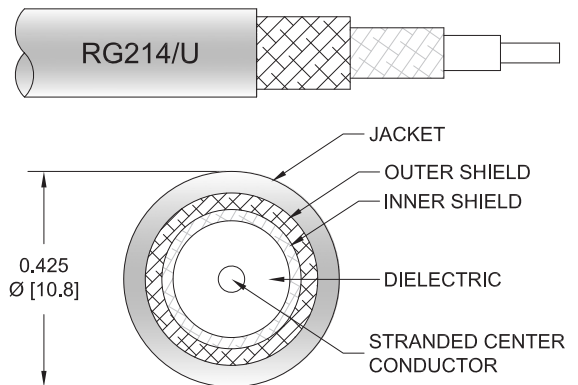
### PE33702

#### Configuration

- Connector 1: 7/16 DIN Male
- Connector 2: HN Male
- Cable Type: RG214
- Coax Flex Type: Flexible

#### Features

- Max Frequency 3 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE33702 7/16 DIN male to HN male cable using RG214 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 7/16 DIN to HN cable assembly has a male to male gender configuration with 50 ohm flexible RG214 coax. The PE33702 7/16 DIN male to HN male cable assembly operates to 3 GHz. 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
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,500	Vrms

#### Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE33702	Custom Lengths Available	Insertion Loss (Typ.)	0.02	0.03	0.05	0.08	0.141	dB/ft	
			0.07	0.1	0.15	0.25	0.47	dB/m	
PE33702-12	12 inch	Insertion Loss (Typ.)	0.22	0.23	0.25	0.28	0.35	dB	0.462
PE33702-36	36 inch	Insertion Loss (Typ.)	0.26	0.29	0.34	0.43	0.63	dB	0.719
PE33702-48	48 inch	Insertion Loss (Typ.)	0.28	0.32	0.38	0.51	0.77	dB	0.847
PE33702-72	72 inch	Insertion Loss (Typ.)	0.32	0.38	0.47	0.66	1.05	dB	1.103
PE33702-108	108 inch	Insertion Loss (Typ.)	0.38	0.47	0.61	0.89	1.47	dB	1.487

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.462 pounds
Additional Weight per Inch:	0.01067 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.462 lbs [209.56 g]

#### Cable

Cable Type	RG214
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.425 in [10.8 mm]
Repeated Minimum Bend Radius	1.6 in [40.64 mm]

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### Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male	HN Male
Specification	IEC 169-4	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum
Hex Size	32 mm	
Torque	18.417 ft-lbs 24.97 Nm	

### Environmental Specifications

Operating Range Temperature -20 to +80 deg C

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

### Plotted and Other Data

Notes:

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### PE33702

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE33702**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: PE33702-12 = 12 inches long cable  
PE33702-100cm = 100 cm long cable

7/16 DIN Male to HN Male Cable Using RG214 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: [7/16 DIN Male to HN Male Cable Using RG214 Coax PE33702](https://www.pasternack.com/7-16-din-male-to-hn-male-cable-using-rg214-pe33702-p.aspx)

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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.

PE33702 CAD Drawing
7/16 DIN Male to HN Male Cable Using RG214 Coax

