

## TNC Male to TNC Male Cable Using RG214 Coax with HeatShrink



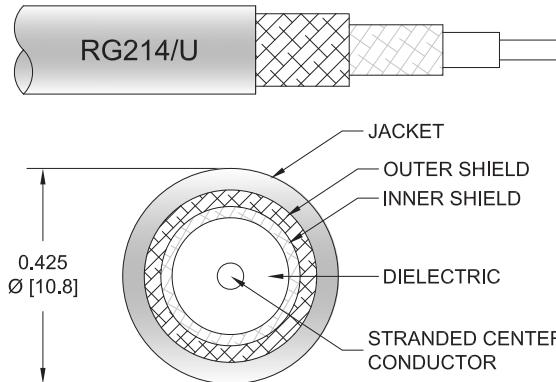
### PE3435/HS

#### Configuration

- Connector 1: TNC Male
- Connector 2: TNC Male
- Cable Type: RG214
- Coax Flex Type: Flexible

#### Features

- Max Frequency 6 GHz
- 65.9% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3435/HS TNC male to TNC 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 TNC to TNC cable assembly has a male to male gender configuration with 50 ohm flexible RG214 coax. The PE3435/HS TNC male to TNC male cable assembly operates to 6 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		6	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

#### Specifications by Frequency

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### PE3435/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	6000	MHz	
PE3435/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.03	0.046	0.077	0.126	0.238	dB/ft	
			0.1	0.16	0.26	0.42	0.79	dB/m	
PE3435/HS-12	12 inch	Insertion Loss (Typ.)	0.23	0.25	0.28	0.33	0.44	dB	0.214
PE3435/HS-36	36 inch	Insertion Loss (Typ.)	0.29	0.34	0.44	0.58	0.92	dB	0.471
PE3435/HS-48	48 inch	Insertion Loss (Typ.)	0.32	0.39	0.51	0.71	1.16	dB	0.599
PE3435/HS-72	72 inch	Insertion Loss (Typ.)	0.38	0.48	0.67	0.96	1.63	dB	0.855
PE3435/HS-108	108 inch	Insertion Loss (Typ.)	0.47	0.62	0.9	1.34	2.35	dB	1.239

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: 0.214 pounds  
Additional Weight per Inch: 0.01067 pounds

### Mechanical Specifications

#### Cable Assembly

Weight 0.214 lbs [97.07 g]

#### Cable

Cable Type	RG214
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE (LD)
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]
One Time Minimum Bend Radius	1.57 in [39.88 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	TNC Male	TNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 $\mu$ in minimum	30 $\mu$ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in minimum	100 $\mu$ in minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in minimum	100 $\mu$ in minimum

#### 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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### PE3435/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

PE3435/HS - xx uu

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

\_\_\_\_\_ Length

\_\_\_\_\_ Base Number

Example: PE3435/HS-12 = 12 inches long cable  
PE3435/HS-100cm = 100 cm long cable

TNC Male to TNC Male Cable Using RG214 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: [TNC Male to TNC Male Cable Using RG214 Coax with HeatShrink PE3435/HS](#)

URL: <https://www.pasternack.com/tnc-male-to-tnc-male-cable-using-rg214-with-heatshrink-pe3435-hs-p.aspx>

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# PE3435/HS CAD Drawing

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