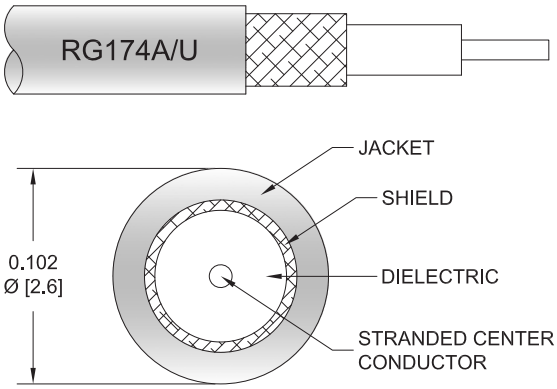
TNC Male to SMA Female Cable Using RG174 Coax with HeatShrink

PE34720/HS

Configuration

- Connector 1: TNC Male
- Connector 2: SMA Female
- Cable Type: RG174
- Coax Flex Type: Flexible



Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34720/HS TNC male to SMA female cable using RG174 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 SMA cable assembly has a male to female gender configuration with 50 ohm flexible RG174 coax. The PE34720/HS TNC male to SMA female cable assembly operates to 1 GHz.

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	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	1000	MHz	
PE34720/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.04	0.08	0.14	0.21	0.32	dB/ft	
			0.14	0.28	0.45	0.7	1.05	dB/m	
PE34720/HS-12	12 inch	Insertion Loss (Typ.)	0.25	0.29	0.34	0.42	0.52	dB	0.051
PE34720/HS-24	24 inch	Insertion Loss (Typ.)	0.29	0.37	0.48	0.63	0.84	dB	0.06
PE34720/HS-36	36 inch	Insertion Loss (Typ.)	0.33	0.46	0.62	0.84	1.16	dB	0.069
PE34720/HS-48	48 inch	Insertion Loss (Typ.)	0.37	0.54	0.75	1.05	1.48	dB	0.078
PE34720/HS-72	72 inch	Insertion Loss (Typ.)	0.46	0.71	1.03	1.47	2.12	dB	0.096

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:	0.051	pounds
Additional Weight per Inch:	0.00075	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.042 lbs [19.05 g]

Cable

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

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Connectors

Description	Connector 1	Connector 2
Type	TNC Male	SMA Female
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		100
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	

Environmental Specifications

Operating Range Temperature	-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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Typical Performance Data

How to Order

Part Number Configuration: **PE34720/HS - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE34720/HS — Base Number

Example: PE34720/HS-12 = 12 inches long cable
PE34720/HS-100cm = 100 cm long cable

TNC Male to SMA Female Cable Using RG174 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 SMA Female Cable Using RG174 Coax with HeatShrink PE34720/HS

URL: https://www.pasternack.com/tnc-male-to-sma-female-cable-using-rg174-with-heatshrink-pe34720-hs-p.aspx

PE34720/HS CAD Drawing

TNC Male to SMA Female Cable Using RG174 Coax with HeatShrink