

HN Male to HN Male Right Angle Cable Using RG213 Coax



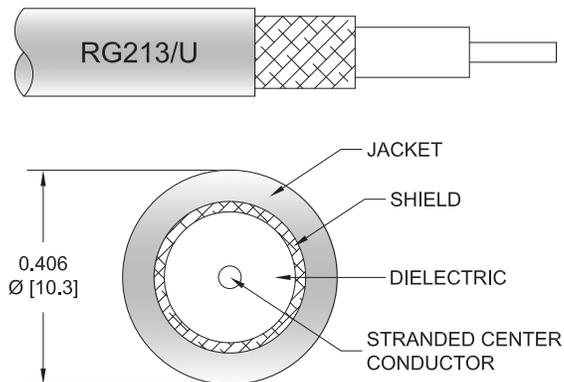
PE34754

Configuration

- Connector 1: HN Male
- Connector 2: HN Male Right Angle
- Cable Type: RG213
- Coax Flex Type: Flexible

Features

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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34754 HN male to HN male right angle cable using RG213 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 HN to HN cable assembly has a male to male gender configuration with 50 ohm flexible RG213 coax. The PE34754 HN male to HN male cable assembly operates to 1 GHz. The right angle HN interface on the RG213 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			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		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	
PE34754	Custom Lengths Available	Insertion Loss (Typ.)	0.011	0.022	0.035	0.053	0.08	dB/ft	
			0.04	0.08	0.12	0.18	0.27	dB/m	
PE34754-24	24 inch	Insertion Loss (Typ.)	0.33	0.35	0.37	0.41	0.46	dB	0.515
PE34754-36	36 inch	Insertion Loss (Typ.)	0.34	0.37	0.41	0.46	0.54	dB	0.616
PE34754-48	48 inch	Insertion Loss (Typ.)	0.35	0.39	0.44	0.52	0.62	dB	0.717
PE34754-60	60 inch	Insertion Loss (Typ.)	0.36	0.41	0.48	0.57	0.7	dB	0.818
PE34754-72	72 inch	Insertion Loss (Typ.)	0.37	0.44	0.51	0.62	0.78	dB	0.919

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:	0.2 dB
Base Weight:	0.413 pounds
Additional Weight per Inch:	0.00842 pounds

Mechanical Specifications

Cable Assembly

Weight 0.413 lbs [187.33 g]

Cable

Cable Type	RG213
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.405 in [10.29 mm]

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Connectors

Description	Connector 1	Connector 2
Type	HN Male	HN Male Right Angle
Specification		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	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	100μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum	100μ in. minimum

Environmental Specifications

Operating Range Temperature -25 to +70 deg C

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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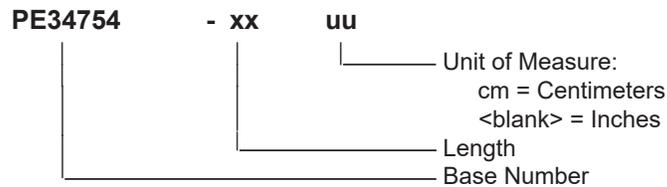


PE34754

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE34754-12 = 12 inches long cable
PE34754-100cm = 100 cm long cable

HN Male to HN Male Right Angle Cable Using RG213 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.

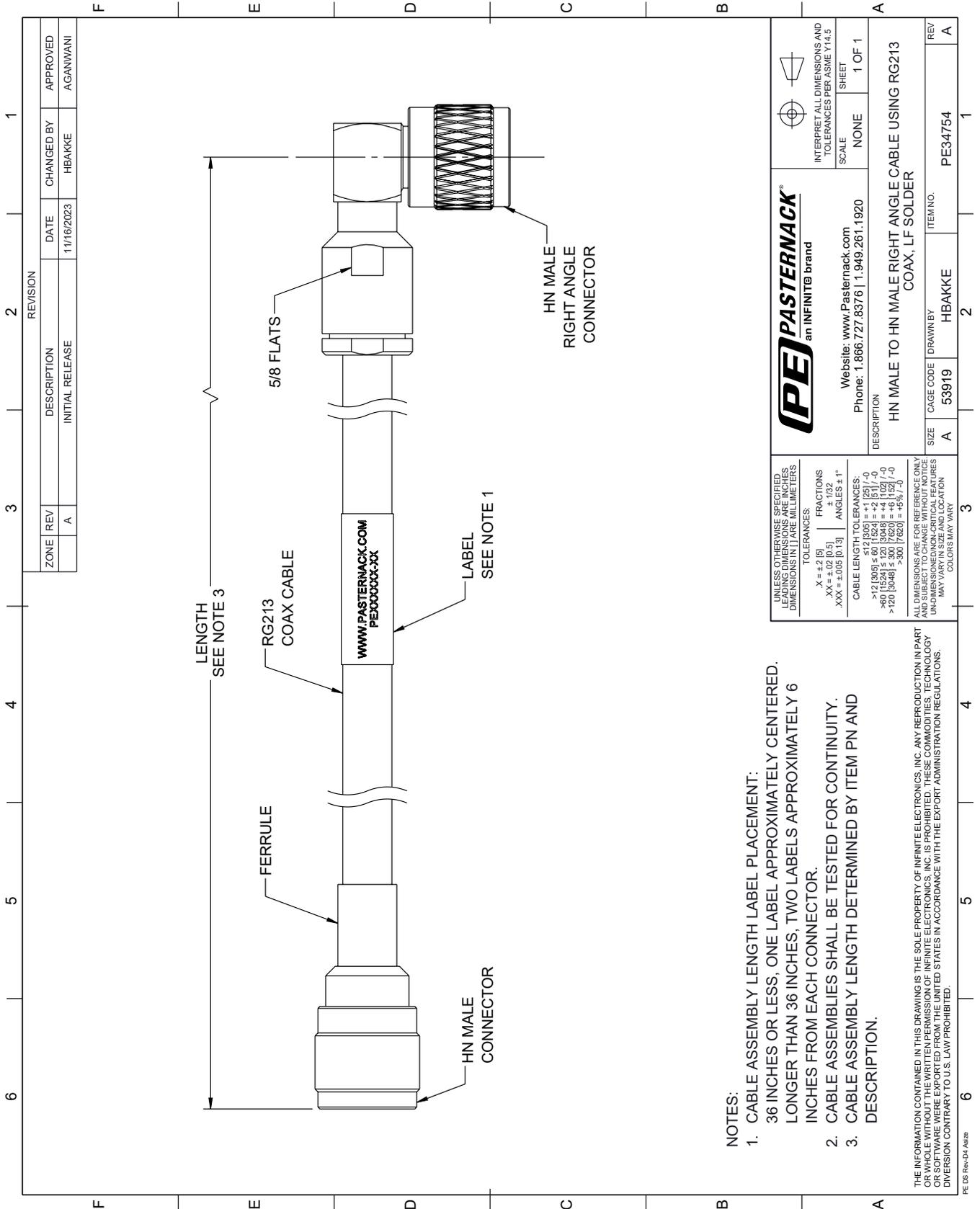
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male to HN Male Right Angle Cable Using RG213 Coax PE34754](#)

URL: <https://www.pasternack.com/hn-male-to-hn-male-cable-using-rg213-pe34754-p.aspx>

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PE34754 CAD Drawing

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NOTES:

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

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS
 ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 >12 [305] ≤ 60 [1524] = ±.1 [25] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.8 [20] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY.
 UNDIMENSIONED NON-CRITICAL FEATURES
 MAY VARY IN SIZE AND LOCATION.
 COLORS MAY VARY.

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION: HN MALE TO HN MALE RIGHT ANGLE CABLE USING RG213 COAX, LF SOLDER

REV	A
ITEM NO.	PE34754
DRAWN BY	HBAKKE
CAGE CODE	53919
SIZE	A