

MHV Male Right Angle to MHV Male Right Angle Cable Using RG214 Coax



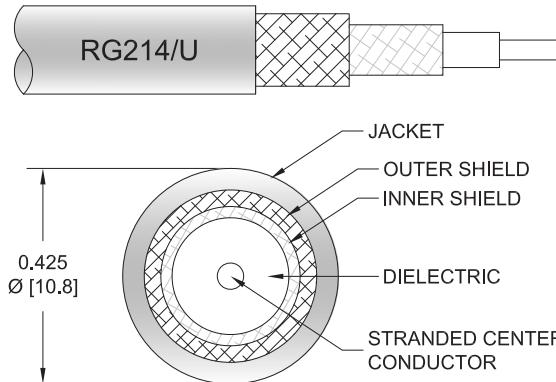
PE37554

Configuration

- Connector 1: MHV Male Right Angle
- Connector 2: MHV Male Right Angle
- Cable Type: RG214
- Coax Flex Type: Flexible

Features

- 65.9% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE37554 MHV male right angle to MHV male right angle 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 MHV to MHV cable assembly has a male to male gender configuration with 50 ohm flexible RG214 coax. The right angle MHV interfaces on the RG214 cable allow for easier connections in tight spaces. 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
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

MHV Male Right Angle to MHV Male Right Angle Cable Using RG214 Coax



PE37554

Part Number	Length	Description	F1	F2	F3	F4	Units MHz	Weight (lbs)
		Frequency	50	100	250	300		
PE37554	Custom Lengths Available	Insertion Loss (Typ.)	0.013	0.021	0.03	0.033	dB/ft	
			0.05	0.07	0.1	0.11	dB/m	
PE37554-12	12 inch	Insertion Loss (Typ.)	0.22	0.23	0.23	0.24	dB	0.289
PE37554-36	36 inch	Insertion Loss (Typ.)	0.24	0.27	0.29	0.3	dB	0.546
PE37554-48	48 inch	Insertion Loss (Typ.)	0.26	0.29	0.32	0.34	dB	0.674
PE37554-72	72 inch	Insertion Loss (Typ.)	0.28	0.33	0.38	0.4	dB	0.93
PE37554-108	108 inch	Insertion Loss (Typ.)	0.32	0.39	0.47	0.5	dB	1.314

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: 0.289 pounds
 Additional Weight per Inch: 0.01067 pounds

Mechanical Specifications

Cable Assembly

Weight 0.412 lbs [186.88 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]

Connectors

Description	Connector 1	Connector 2
Type	MHV Male Right Angle	MHV Male Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Silver	Silver
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel

MHV Male Right Angle to MHV Male Right Angle Cable Using RG214 Coax



PE37554

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE37554-12 = 12 inches long cable
PE37554-100cm = 100 cm long cable

MHV Male Right Angle to MHV Male Right Angle 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: [MHV Male Right Angle to MHV Male Right Angle Cable Using RG214 Coax PE37554](#)

URL: <https://www.pasternack.com/mhv-male-right-angle-to-mhv-male-cable-using-rg214-pe37554-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.

PE37554 CAD Drawing

MHV Male Right Angle to MHV Male Right Angle Cable Using RG214 Coax

