

MHV Male to MHV Male Right Angle Cable Using 75 Ohm RG59 Coax

PE33057

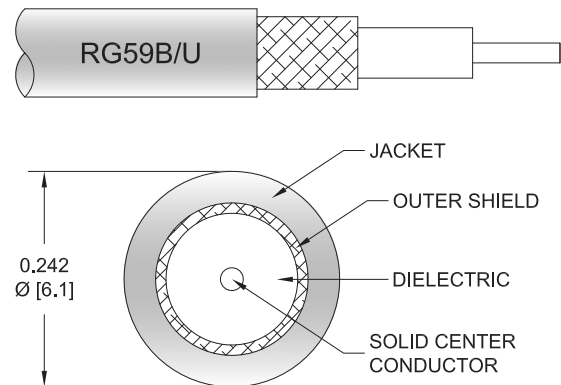


Configuration

- Connector 1: MHV Male
- Connector 2: MHV Male Right Angle
- Cable Type: RG59
- Coax Flex Type: Flexible

Features

- Max Frequency 200 MHz
- 66% Phase Velocity
- PVC (NC) Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33057 MHV male to MHV male right angle cable using 75 ohm RG59 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 75 ohm flexible RG59 coax. The PE33057 MHV male to MHV male cable assembly operates to 200 MHz. The right angle MHV interface on the RG59 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		200	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		20.4 [66.93]		pF/ft [pF/m]
Operating Voltage (AC)			1,600	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	Units	Weight (lbs)
		Frequency	100	200	MHz	
PE33057	Custom Lengths Available	Insertion Loss (Typ.)	0.038	0.053	dB/ft	
			0.13	0.18	dB/m	
PE33057-12	12 In	Insertion Loss (Typ.)	0.34	0.36	dB	0.142
PE33057-24	24 In	Insertion Loss (Typ.)	0.38	0.41	dB	0.178
PE33057-36	36 In	Insertion Loss (Typ.)	0.42	0.46	dB	0.214
PE33057-60	60 In	Insertion Loss (Typ.)	0.49	0.57	dB	0.286
PE33057-72	72 In	Insertion Loss (Typ.)	0.53	0.62	dB	0.322

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:	0.142 pounds
Additional Weight per Inch:	0.003 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.142 lbs [64.41 g]

Cable

Cable Type	RG59
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Copper Braid
Jacket Material	PVC (NC), Black
Jacket Diameter	0.242 in [6.15 mm]

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Connectors

Description	Connector 1	Connector 2
Type	MHV Male	MHV Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
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

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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Typical Performance Data

How to Order

Part Number Configuration:

PE33057

- xx

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

Length

Base Number

Example: PE33057-12 = 12 inches long cable
PE33057-100cm = 100 cm long cable

MHV Male to MHV Male Right Angle Cable Using 75 Ohm RG59 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 to MHV Male Right Angle Cable Using 75 Ohm RG59 Coax PE33057](https://www.pasternack.com/mhv-male-to-mhv-male-right-angle-cable-using-75-ohm-rg59-coax-pe33057)

URL: <https://www.pasternack.com/mhv-male-to-mhv-male-cable-using-rg59-pe33057-p.aspx>

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PE33057 CAD Drawing
MHV Male to MHV Male Right Angle Cable Using 75 Ohm RG59 Coax

