

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



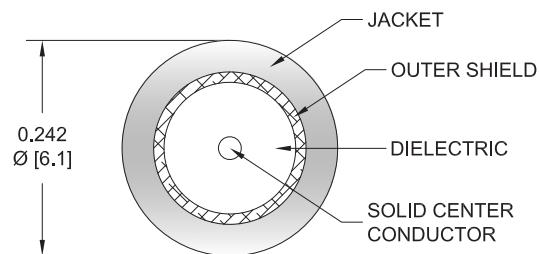
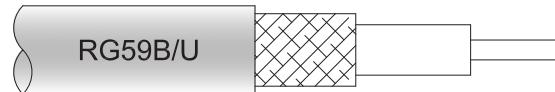
PE3305

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 μ in minimum | 30 μ in minimum |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100 μ in minimum | 100 μ in minimum |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Plating Specification | 100 μ in minimum | 100 μ 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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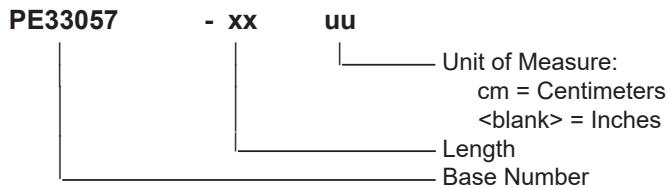


PE33057

Typical Performance Data

How to Order

Part Number Configuration:



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](#)

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

PE33057 CAD Drawing

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