

## MHV Male to MHV Male Right Angle Cable Using RG174 Coax , LF Solder In 100 CM Length



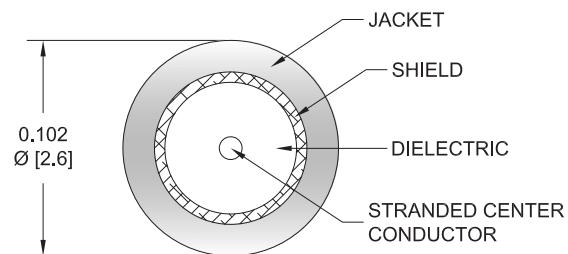
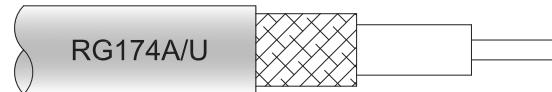
### PE35799LF-100CM

#### Configuration

- Connector 1: MHV Male
- Connector 2: MHV Male Right Angle
- Cable Type: RG174
- Coax Flex Type: Flexible

#### Features

- Max Frequency 500 MHz
- 66% Phase Velocity
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE35799LF-100CM MHV male to MHV male right angle 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 MHV to MHV cable assembly has a male to male gender configuration with 50 ohm flexible RG174 coax. The PE35799LF-100CM MHV male to MHV male cable assembly operates to 500 MHz. The right angle MHV interface on the RG174 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		500	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500			MHz
Insertion Loss (Typ.)	0.34	0.55	0.84			dB/ft
	1.12	1.8	2.76			dB/m

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#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of  $0.1 * \text{SQRT}(F\text{GHz})$  dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Length	39.37 in [100 cm]
Weight	0.137 lbs [62.14 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]

#### Connectors

Description	Connector 1	Connector 2
Type	MHV Male	MHV Male Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	30 $\mu$ in minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 $\mu$ in minimum	

#### Environmental Specifications

#### Compliance Certifications

(see product page for current document)

#### Plotted and Other Data

Notes:

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## PE35799LF-100CM

## Typical Performance Data

## How to Order

### Part Number Configuration:

**PE35799LF** - **xx** **uu**

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

Length  
Base Number

Example: PE35799LF-12 = 12 inches long cable  
PE35799LF-100cm = 100 cm long cable

MHV Male to MHV Male Right Angle Cable Using RG174 Coax , LF Solder In 100 CM Length 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 RG174 Coax , LF Solder In 100 CM Length PE35799LF-100CM](#)

URL: <https://www.pasternack.com/mhv-male-to-mhv-male-cable-100-cm-length-using-rg174-lf-solder-pe35799lf-100cm-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.

# PE35799LF-100CM CAD Drawing

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