



## MHV Female to MHV Male Cable Using 75 Ohm RG59 Coax In 12 Inch Length

### RF Cable Assemblies Technical Data Sheet

PE34324-12

#### Configuration

- Connector 1: MHV Female
- Connector 2: MHV Male
- Cable Type: RG59

#### Features

- Max Frequency 300 MHz
- 66% Phase Velocity
- PVC (NC) Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34324-12 MHV female to MHV male 12 inch 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 female to male gender configuration with 75 ohm flexible RG59 coax. The PE34324-12 MHV female to MHV male cable assembly operates to 300 MHz.

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		300	MHz
Velocity of Propagation		66		%
Capacitance		20.4 [66.93]		pF/ft [pF/m]
Operating Voltage (AC)			1,600	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	250	300				MHz
Insertion Loss (Typ.)	0.16	0.18				dB

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Female to MHV Male Cable Using 75 Ohm RG59 Coax In 12 Inch Length PE34324-12](#)



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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\*SQRT(FGHz) dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.09 lbs [40.82 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]

#### Connectors

Description	Connector 1	Connector 2
Type	MHV Female	MHV Male
Specification	MIL-C-39012	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Silver	Brass, Gold
Contact Plating Specification	QQ-S-365	30 µin minimum
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

#### Environmental Specifications

##### Temperature

Operating Range	-40 to +80 deg C
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**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

#### How to Order

Part Number Configuration:

**PE34324**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE34324-12 = 12 inches long cable  
PE34324-100cm = 100 cm long cable

MHV Female to MHV Male Cable Using 75 Ohm RG59 Coax In 12 Inch 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 Female to MHV Male Cable Using 75 Ohm RG59 Coax In 12 Inch Length PE34324-12](#)

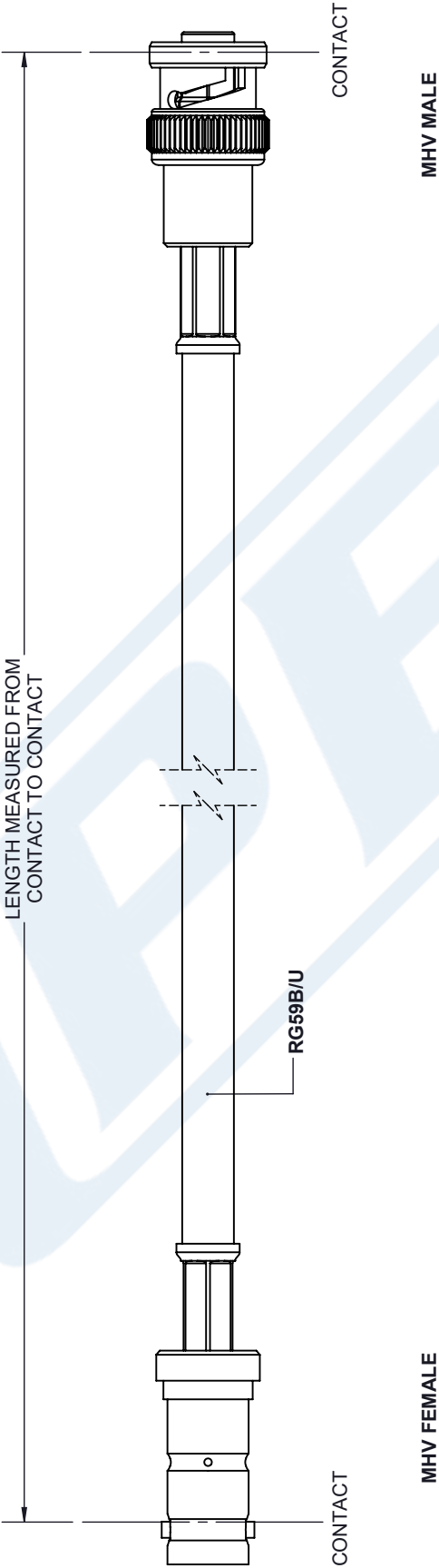
URL: <https://www.pasternack.com/mhv-female-to-mhv-male-cable-12-iAch-leAgth-usiAg-rg59-pe34324-12-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE34324-12 CAD Drawing

MHV Female to MHV Male Cable Using 75 Ohm RG59 Coax In 12 Inch Length

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/10/2021	A. GANWANI



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

TOLERANCES:

X = ± .2	[ .008 ]	FRACTIONS
.XX = ± .02	[ .51 ]	± 1/32
.XXX = ± .005	[ .13 ]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	= +1 [25] / -0
12 [305] < L ≤ 60 [1524]	= +2 [51] / -0
60 [1524] < L ≤ 120 [3048]	= +4 [102] / -0
120 [3048] < L ≤ 300 [7620]	= +6 [152] / -0
300 [7620] < L	= +5% / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
an INFINITE brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	K.DANG	PE34324
			REV A

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