



## MHV Male to MHV Male Cable 12 Inch Length Using RG141 Coax

### RF Cable Assemblies Technical Data Sheet

PE34429-12

#### Configuration

- Connector 1: MHV Male
- Connector 2: MHV Male
- Cable Type: RG141

#### Features

- Max Frequency 300 MHz
- PTFE (FG) Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34429-12 MHV male to MHV male 12 inch cable using RG141 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 RG141 coax. The PE34429-12 MHV male 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
VSWR			1.4:1	
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Jacket Spark			2,000	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	300		MHz
Insertion Loss (Typ.)	0.224	0.239	0.254	0.259		dB

#### 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 dB per connector.

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 Cable 12 Inch Length Using RG141 Coax PE34429-12](#)



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#### Mechanical Specifications

##### Cable Assembly

Length\* 12 in [304.8 mm]

Weight 0.09 lbs [40.82 g]

##### Cable

Cable Type RG141  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Shield Layer 1 Silver Plated Copper  
Jacket Material PTFE (FG), Beige  
Jacket Diameter 0.19 in [4.83 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	MHV Male	MHV Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30µ In. Min	30µ In. Min
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ In. Minimum	100µ In. Minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100µ In. Minimum	100µ In. Minimum

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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 Cable 12 Inch Length Using RG141 Coax PE34429-12](#)



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#### How to Order

Part Number Configuration:

PE34429

- xx

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

Example: PE34429-12 = 12 inches long cable  
PE34429-100cm = 100 cm long cable

MHV Male to MHV Male Cable 12 Inch Length Using RG141 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.

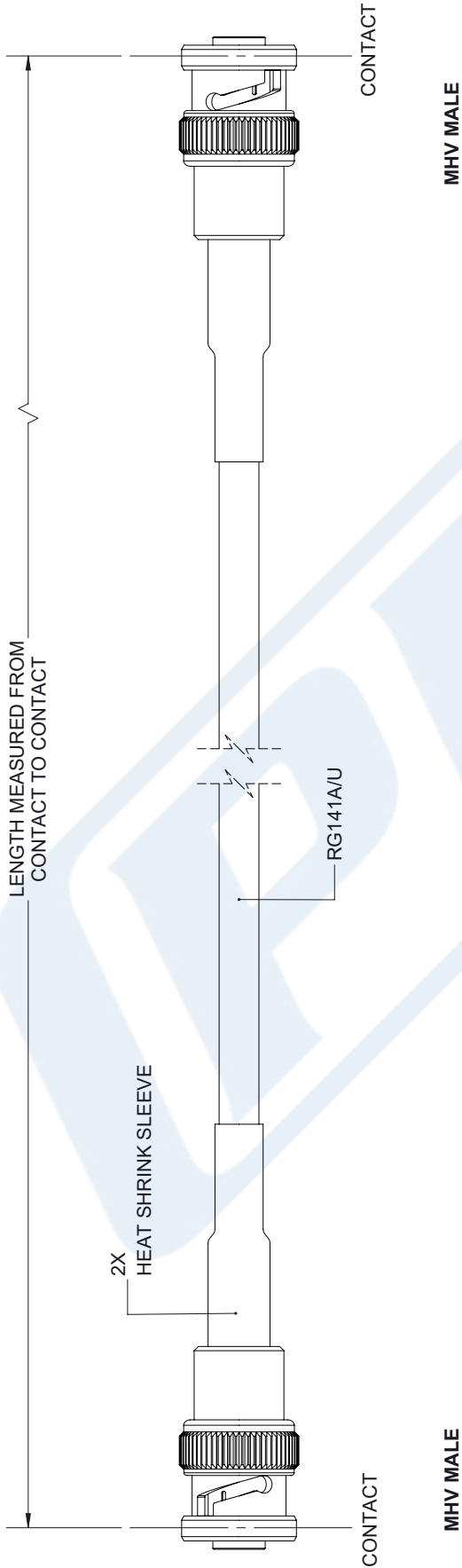
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male to MHV Male Cable 12 Inch Length Using RG141 Coax PE34429-12](https://www.pasternack.com/mhv-male-mhv-male-rg141au-cable-assembly-pe34429-12-p.aspx)

URL: <https://www.pasternack.com/mhv-male-mhv-male-rg141au-cable-assembly-pe34429-12-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.

PE34429-12 CAD Drawing  
MHV Male to MHV Male Cable 12 Inch Length Using RG141 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/23/19	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE MILLIMETERS			
TOLERANCES:			
X±.2	[5.08]	FRACTIONS	
.XX±.01	[.25]		±.132
.XXX±.005	[.13]	ANGLES ± 1°	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			
THIRD-ANGLE PROJECTION			

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SIZE	CAGE	DRAWN BY	PART NUMBER
A	53919	K.DANG	PE34429
			REV
			A

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SCALE	N/A		

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