

MHV Male to MHV Male Cable 72 Inch Length Using RG141 Coax



RF Cable Assemblies Technical Data Sheet

PE34429-72

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 PE34429-72 MHV male to MHV male 72 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 PE34429-72 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.)	0.344	0.434	0.523	0.554		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 72 Inch Length Using RG141 Coax PE34429-72](#)

MHV Male to MHV Male Cable 72 Inch Length Using RG141 Coax



RF Cable Assemblies Technical Data Sheet

PE34429-72

Mechanical Specifications
Cable Assembly

Length*	72 in [182.88 cm]
Weight	0.269 lbs [122.02 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	30 μ In. Min	30 μ In. Min
Dielectric Type	Teflon	Teflon
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

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 72 Inch Length Using RG141 Coax PE34429-72](#)

MHV Male to MHV Male Cable 72 Inch Length Using RG141 Coax



RF Cable Assemblies Technical Data Sheet

PE34429-72

How to Order

Part Number Configuration:

PE34429 - xx uu

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 72 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 72 Inch Length Using RG141 Coax PE34429-72](#)

URL: <https://www.pasternack.com/mhv-male-mhv-male-rg141au-cable-assembly-pe34429-72-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.

PE34429-72 CAD Drawing
MHV Male to MHV Male Cable 72 Inch Length Using RG141 Coax

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

CONTACT

CONTACT

CONTACT

CONTACT

2X HEAT SHRINK SLEEVE

LENGTH MEASURED FROM
CONTACT TO CONTACT

MHV MALE

MHV MALE

RG141A/U

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

TOLERANCES:	FRACTIONS X=± .2 [5.08] ± 1/32 XX=± .01 [25] ANGLES ± 1° XXX=± .005 [13]
-------------	---

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.
THIRD-ANGLE PROJECTION

PE PASTERNACK
an INFINITE brand

Pasterнак Enterprises, Inc.
P.O.Box 167659, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
www.pasterнак.com | e-mail: sales@pasterнак.com

SHEET 1 OF 1

SCALE N/A

REV A

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

SIZE CAGE DRAWN BY PART NUMBER

A 53919 K.DANG PE34429