



MHV Male to MHV Male Cable Using RG400 Coax

RF Cable Assemblies Technical Data Sheet

PE34425

Configuration

- Connector 1: MHV Male
- Connector 2: MHV Male
- Cable Type: RG400

Features

- Max Frequency 300 MHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34425 MHV male to MHV male cable using RG400 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 RG400 coax. The PE34425 MHV male to MHV male cable assembly operates to 300 MHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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		69.5		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	300				MHz
Insertion Loss (Typ.)	0.044	0.075				dB/ft
	0.14	0.25				dB/m

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 Using RG400 Coax PE34425](#)



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Mechanical Specifications

Cable Assembly

Weight 0.115 lbs [52.16 g]

Cable

Cable Type RG400
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper, Silver
Dielectric Type PTFE
Number of Shields 2
Shield Layer 1 Silver Plated Copper Braid
Shield Layer 2 Silver Plated Copper Braid
Jacket Material FEP, Tan
Jacket Diameter 0.195 in [4.95 mm]

One Time Minimum Bend Radius 1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2
Type	MHV Male	MHV Male
Impedance	50 Ohms	50 Ohms
Body Material and Plating	Brass, Nickel	Brass, Nickel

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE34425

- **xx**

uu

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

Example: PE34425-12 = 12 inches long cable
PE34425-100cm = 100 cm long cable

MHV Male to MHV Male Cable Using RG400 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 Using RG400 Coax PE34425](#)

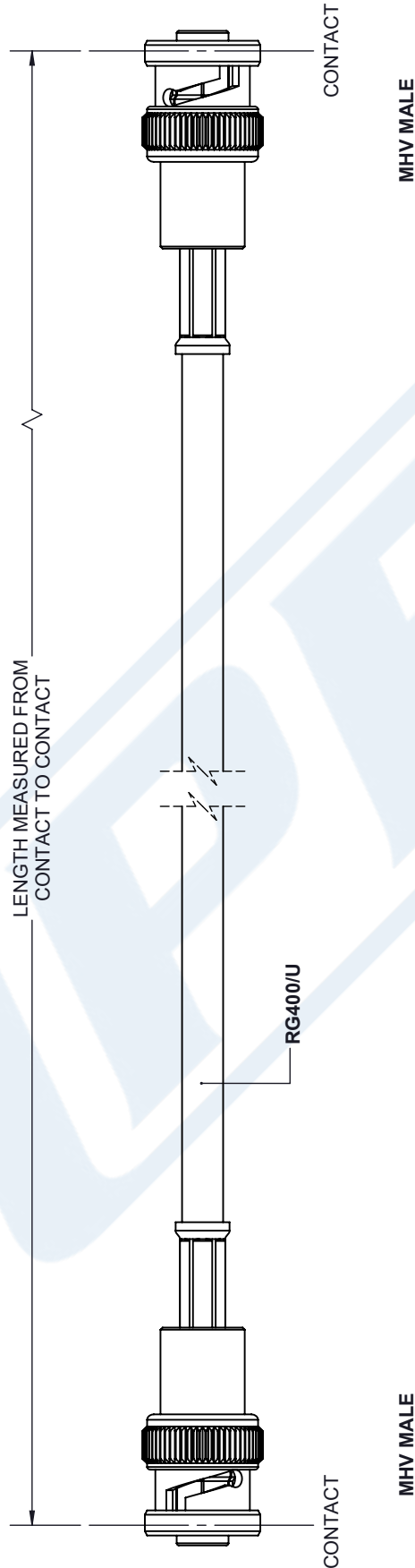
URL: <https://www.pasternack.com/mhv-male-mhv-male-rg400u-cable-assembly-pe34425-p.aspx>

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.

PE34425 CAD Drawing

MHV Male to MHV Male Cable Using RG400 Coax

REVISIONS		
REV.	DESCRIPTION	DATE
B	PCR PE34425	1/19/2022
		APPROVED A. GANWANI



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: <table><tr><td>X = ± .2</td><td>[.008]</td><td>FRACTIONS</td><td>± 1/32</td></tr><tr><td>.XX = ± .02</td><td>[.51]</td><td>ANGLES ± 1°</td><td></td></tr><tr><td>.XXX = ± .005</td><td>[.13]</td><td></td><td></td></tr></table> CABLE LENGTH (L) TOLERANCES: <table><tr><td>L ≤ 12 [305]</td><td>= +1 [25] / -0</td></tr><tr><td>12 [305] < L ≤ 60 [1524]</td><td>= +2 [51] / -0</td></tr><tr><td>60 [1524] < L ≤ 120 [3048]</td><td>= +4 [102] / -0</td></tr><tr><td>120 [3048] < L ≤ 300 [7620]</td><td>= +6 [152] / -0</td></tr><tr><td>300 [7620] < L</td><td>= +5% / -0</td></tr></table> ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.				X = ± .2	[.008]	FRACTIONS	± 1/32	.XX = ± .02	[.51]	ANGLES ± 1°		.XXX = ± .005	[.13]			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	PE PASTERNAK® an INFINITE brand Pasternack Enterprises, Inc. P.O.Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com				THIRD-ANGLE PROJECTION  THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A				REV B	
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