



## MHV Male to N Male Cable Using RG400 Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

**PE3C6158LF**

#### Configuration

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

#### Features

- Max Frequency 300 MHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C6158LF MHV male to type N 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 type N cable assembly has a male to male gender configuration with 50 ohm flexible RG400 coax. The PE3C6158LF MHV male to type N 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.

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 N Male Cable Using RG400 Coax , LF Solder PE3C6158LF](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	300			MHz
Insertion Loss (Typ.)	0.044	0.061	0.066			dB/ft
	0.14	0.2	0.22			dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

##### 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]
Repeated Minimum Bend Radius	1 in [25.4 mm]

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### Connectors

Description	Connector 1	Connector 2
Type	MHV Male	N Male
Specification	MIL-STD-348A	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Silver
Contact Plating Specification	30µ in. minimum	ASTM-B700
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. minimum	ASTM-B689
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum	ASTM-B689

### Environmental Specifications

#### Temperature

Operating Range -55 to +165 deg C

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

### Plotted and Other Data

Notes:

- Values at 25° C, sea level

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**RF Cable Assemblies Technical Data Sheet**

**PE3C6158LF**

**How to Order**

Part Number Configuration:

**PE3C6158LF - xx uu**

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

Example: PE3C6158LF-12 = 12 inches long cable  
PE3C6158LF-100cm = 100 cm long cable

MHV Male to N Male Cable Using RG400 Coax , LF Solder 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.

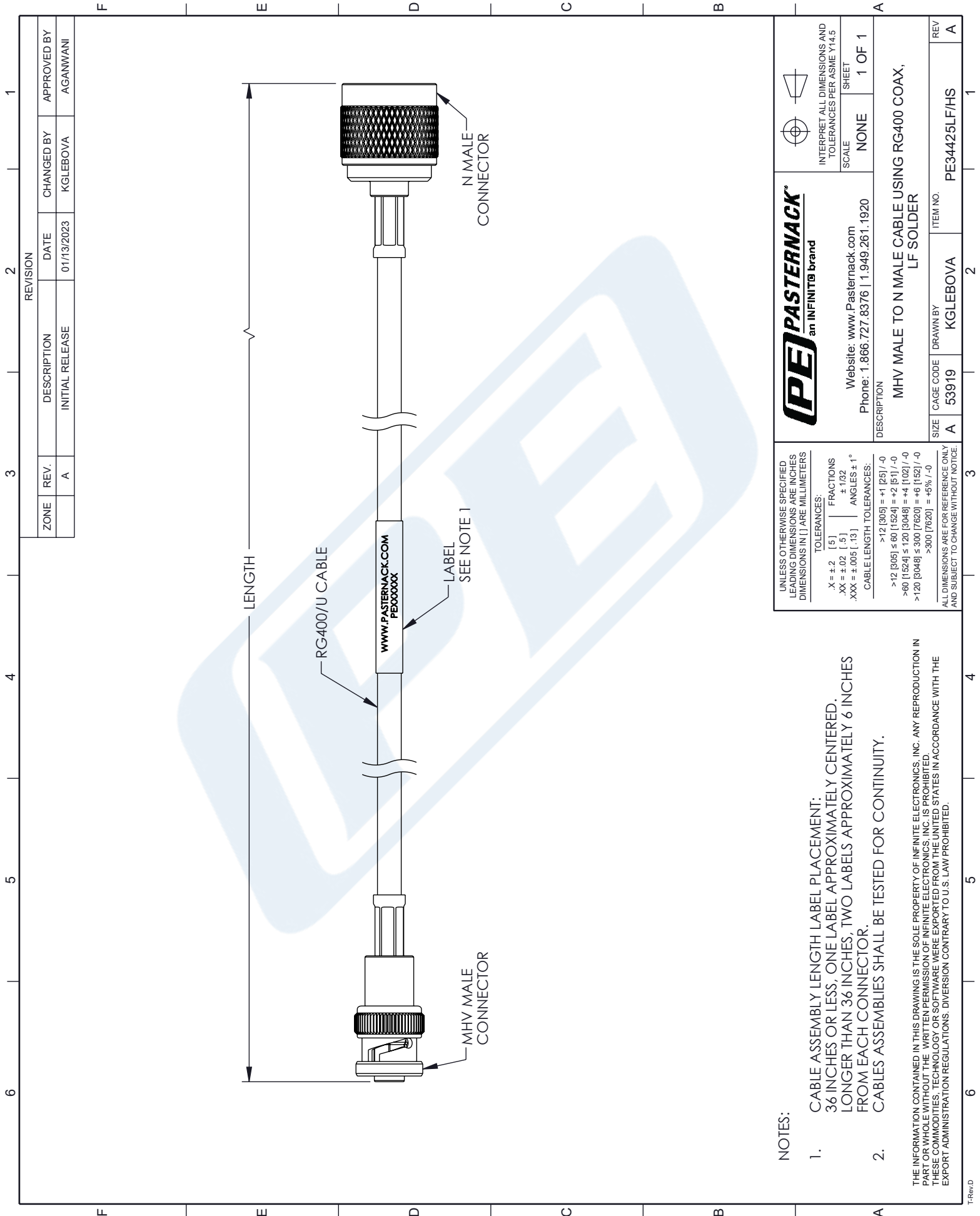
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male to N Male Cable Using RG400 Coax , LF Solder PE3C6158LF](#)

URL: <https://www.pasternack.com/mhv-male-to-n-male-cable-using-rg400-lf-solder-pe3c6158lf-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.

# PE3C6158LF CAD Drawing

## MHV Male to N Male Cable Using RG400 Coax , LF Solder



REVISION		DATE	CHANGED BY	APPROVED BY
ZONE	REV.	DESCRIPTION	INITIAL RELEASE	
	A		01/13/2023	AGANWANI

**PE PASTERNAK**  
an INFINITO brand

Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION  
MHV MALE TO N MALE CABLE USING RG400 COAX,  
LF SOLDER

SIZE A CAGE CODE 53919 DRAWN BY KGLEBOVA ITEM NO. PE34425LF/HS

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

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

TOLERANCES:  
 .X = ±.2 [ .5 ] FRACTIONS ±.1032  
 .XX = ±.02 [ .5 ] ANGLES ± 1°  
 .XXX = ±.005 [ .13 ]

CABLE LENGTH TOLERANCES:  
 >12 [305] = +1 [25] / -0  
 >60 [1524] = +2 [51] / -0  
 >120 [3048] = +4 [102] / -0  
 >300 [7620] = +6 [152] / -0  
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

- NOTES:**
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
  - CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
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