

## MHV Male to N Male Cable Using RG213 Coax, LF Solder

### PE3W12258LF

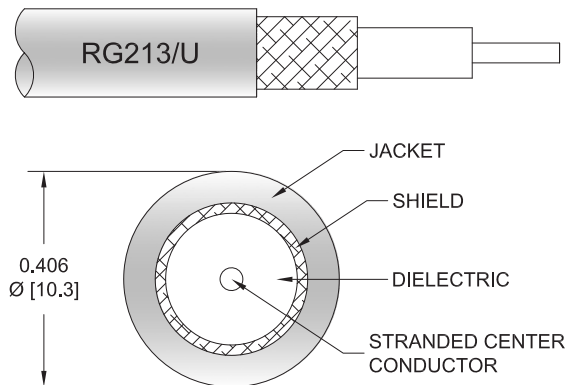


#### Configuration

- Connector 1: MHV Male
- Connector 2: N Male
- Cable Type: RG213
- Coax Flex Type: Flexible

#### Features

- 66% Phase Velocity
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W12258LF MHV male to type N male cable using RG213 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 RG213 coax.

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
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

#### Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	300	1000	MHz	
PE3W12258LF	Custom Lengths Available	Insertion Loss (Typ.)	0	0.02	0.03	0.04	0.825	dB/ft	
			0.02	0.08	0.11	0.12	2.71	dB/m	
PE3W12258LF-24	24 inch	Insertion Loss (Typ.)	0.21	0.25	0.27	0.28	1.03	dB	0.368
PE3W12258LF-36	36 inch	Insertion Loss (Typ.)	0.22	0.27	0.3	0.31	2.68	dB	0.469
PE3W12258LF-48	48 inch	Insertion Loss (Typ.)	0.22	0.29	0.33	0.35	3.5	dB	0.57
PE3W12258LF-60	60 inch	Insertion Loss (Typ.)	0.22	0.31	0.36	0.38	4.33	dB	0.671
PE3W12258LF-72	72 inch	Insertion Loss (Typ.)	0.23	0.34	0.39	0.42	5.15	dB	0.772

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.266 pounds
Additional Weight per Inch:	0.00842 pounds

## Mechanical Specifications

### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.266 lbs [120.66 g]

### Cable

Cable Type	RG213
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.405 in [10.29 mm]
Repeated Minimum Bend Radius	1.6 in [40.64 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	MHV Male	N Male
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Silver	Brass, Gold
Contact Plating Specification	QQ-S-365	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	QQ-N-290	100 µin minimum

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

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#### Typical Performance Data

#### How to Order

Part Number Configuration: **PE3W12258LF** - **xx** **uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: PE3W12258LF-12 = 12 inches long cable  
PE3W12258LF-100cm = 100 cm long cable

MHV Male to N Male Cable Using RG213 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 RG213 Coax, LF Solder PE3W12258LF](#)

URL: <https://www.pasternack.com/mhv-male-to-n-male-cable-using-rg213-lf-solder-pe3w12258lf-p.aspx>

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

PE3W12258LF CAD Drawing
MHV Male to N Male Cable Using RG213 Coax, LF Solder

