

N Female Bulkhead to N Female Bulkhead Cable Using RG213 Coax, LF Solder



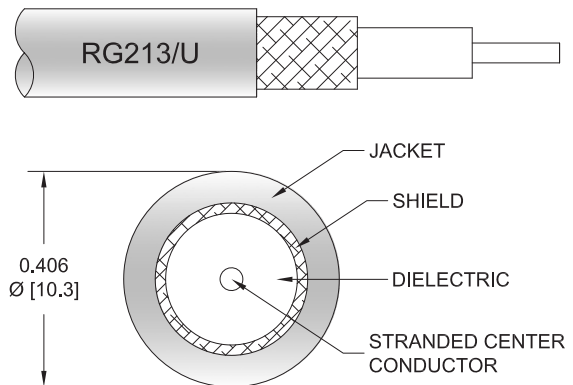
PE3W16459LF

Configuration

- Connector 1: N Female Bulkhead
- Connector 2: N Female Bulkhead
- Cable Type: RG213
- Coax Flex Type: Flexible

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W16459LF type N female bulkhead to type N female bulkhead 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 type N to type N cable assembly has a female to female gender configuration with 50 ohm flexible RG213 coax. The PE3W16459LF type N female to type N female cable assembly operates to 1 GHz. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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		1	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

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	
PE3W16459LF	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	
PE3W16459LF-24	24 inch	Insertion Loss (Typ.)	0.21	0.25	0.27	0.28	1.03	dB	0.465
PE3W16459LF-36	36 inch	Insertion Loss (Typ.)	0.22	0.27	0.3	0.31	2.68	dB	0.566
PE3W16459LF-48	48 inch	Insertion Loss (Typ.)	0.22	0.29	0.33	0.35	3.5	dB	0.667
PE3W16459LF-60	60 inch	Insertion Loss (Typ.)	0.22	0.31	0.36	0.38	4.33	dB	0.768
PE3W16459LF-72	72 inch	Insertion Loss (Typ.)	0.23	0.34	0.39	0.42	5.15	dB	0.869

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:	0.363 pounds
Additional Weight per Inch:	0.00842 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.363 lbs [164.65 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]

Connectors

Description	Connector 1	Connector 2
Type	N Female Bulkhead	N Female Bulkhead
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel

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Environmental Specifications

Operating Range Temperature -25 to +70 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:

PE3W16459LF - xx uu

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

Length

Base Number

Example: PE3W16459LF-12 = 12 inches long cable
PE3W16459LF-100cm = 100 cm long cable

N Female Bulkhead to N Female Bulkhead 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: [N Female Bulkhead to N Female Bulkhead Cable Using RG213 Coax, LF Solder PE3W16459LF](#)

URL: <https://www.pasternack.com/n-female-bulkhead-to-n-female-bulkhead-cable-using-rg213-lf-solder-pe3w16459lf-p.aspx>

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