

N Male to N Female Bulkhead Cable 12 Inch Length Using RG225 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

Configuration

- Connector 1: N Male
- Connector 2: N Female Bulkhead
- Cable Type: RG225

Features

- Max Frequency 400 MHz
- Double Shielded
- PTFE (FG) Jacket

Applications

General Purpose

Laboratory Use

Description

Pasternack's PE34194LF-12 type N male to type N female bulkhead 12 inch cable using RG225 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 male to female gender configuration with 50 ohm flexible RG225 coax. The PE34194LF-12 type N male to type N female cable assembly operates to 400 MHz. 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. 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		400	MHz
VSWR			1.4:1	
Capacitance		32.4 [106.3]		pF/ft [pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to N Female Bulkhead Cable 12 Inch Length Using RG225 Coax , LF Solder PE34194LF-12

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.206	0.213	0.231			dB
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

Mechanical Specifications

Cable Assembly Length* Diameter

Weight

Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 Jacket Material Jacket Diameter 12 in [304.8 mm] 0.815 in [20.7 mm] 0.375 lbs [170.1 g]

RG225 50 Ohms Stranded Copper, Silver PTFE 2 Silver Plated Copper Braid Silver Plated Copper Braid PTFE (FG), Tan 0.43 in [10.92 mm]

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Connectors

Description	Connector 1	Connector 2	
Туре	N Male	N Female Bulkhead	
Specification	MIL-STD-348A	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification	30µ in. minimum	30µ in. minimum	
Dielectric Type	Teflon	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100µ in. minimum	100µ in. minimum	
Coupling Nut Material and Plating	Brass, Nickel		
Coupling Nut Plating Specification	100µ in. minimum		

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or \pm 3/8", whichever is greater.

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

• Values at 25°C, sea level.

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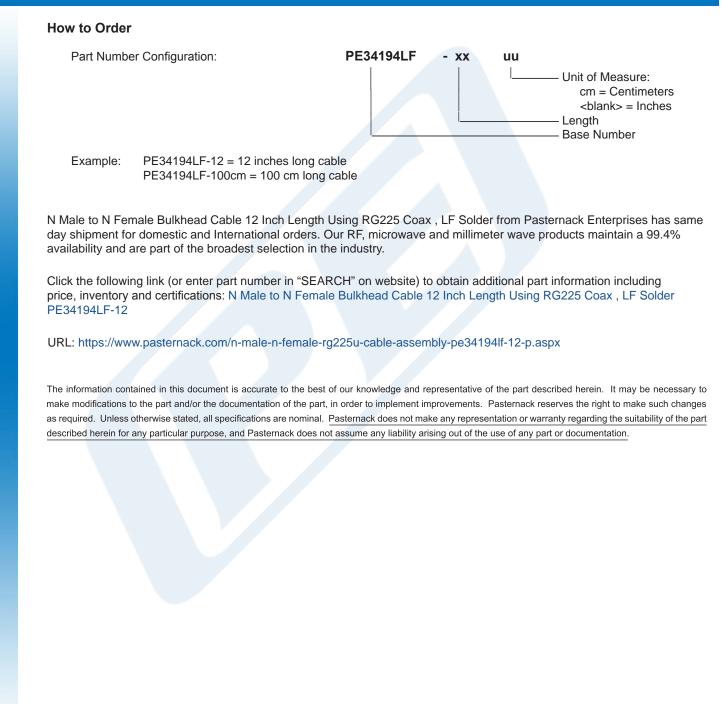
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PE34194LF-12 CAD Drawing N Male to N Female Bulkhead Cable 12 Inch Length Using RG225 Coax , LF Solder

