

N Female Bulkhead to N Male Cable Using Tinned RG402 Coax



PE3C10066

Configuration

- Connector 1: N Female Bulkhead
- Connector 2: N Male
- Cable Type: RG402 Tinned
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 11 GHz
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C10066 type N female bulkhead to type N male cable using tinned RG402 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack type N to type N cable assembly has a female to male gender configuration with 50 ohm semi-rigid RG402 tinned coax. The PE3C10066 type N female to type N male cable assembly operates to 11 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		11	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	1000	2500	5000	11000	
PE3C10066	Custom Lengths Available	Insertion Loss (Typ.)	0.12	0.175	0.267	0.475	dB/ft	
			0.4	0.58	0.88	1.56	dB/m	
PE3C10066-6	6 inch	Insertion Loss (Typ.)	0.26	0.29	0.34	0.44	dB	0.178
PE3C10066-12	12 inch	Insertion Loss (Typ.)	0.32	0.38	0.47	0.68	dB	0.193
PE3C10066-18	18 inch	Insertion Loss (Typ.)	0.38	0.47	0.61	0.92	dB	0.209
PE3C10066-24	24 inch	Insertion Loss (Typ.)	0.44	0.55	0.74	1.15	dB	0.225
PE3C10066-36	36 inch	Insertion Loss (Typ.)	0.56	0.73	1.01	1.63	dB	0.256

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:	0.193 pounds
Additional Weight per Inch:	0.00259 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.193 lbs [87.54 g]

Cable

Cable Type	RG402 Tinned
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Outer Conductor 1 Material and Plating	Tinned Copper
One Time Minimum Bend Radius	1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Female Bulkhead	N Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Phosphor Bronze, Gold over Nickel	Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Gold
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

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Environmental Specifications

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

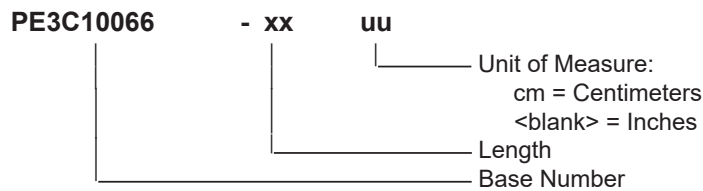
Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3C10066-12 = 12 inches long cable
PE3C10066-100cm = 100 cm long cable

N Female Bulkhead to N Male Cable Using Tinned RG402 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: [N Female Bulkhead to N Male Cable Using Tinned RG402 Coax PE3C10066](#)

URL: <https://www.pasternack.com/n-female-bulkhead-to-n-male-cable-using-tinned-rg402-pe3c10066-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.

PE3C10066 CAD Drawing

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