

N Male to SMA Male Cable Using RG402 Coax



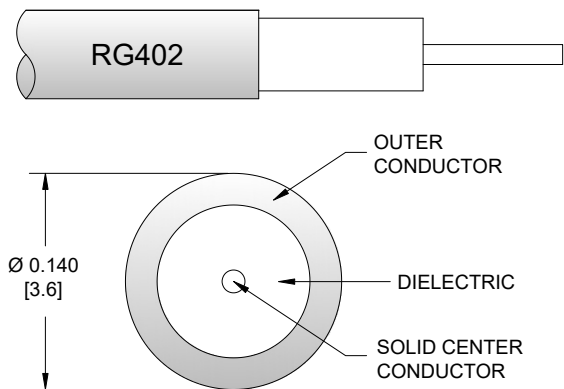
PE3W08704

Configuration

- Connector 1: N Male
- Connector 2: SMA Male
- Cable Type: RG402
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 4 GHz
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08704 type N male to SMA male cable using 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 SMA cable assembly has a male to male gender configuration with 50 ohm semi-rigid RG402 coax. The PE3W08704 type N male to SMA male cable assembly operates to 4 GHz.

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		4	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE3W08704	Custom Lengths Available	Insertion Loss (Typ.)	0.02	0.04	0.08	0.11	0.239	dB/ft	
			0.05	0.13	0.25	0.37	0.79	dB/m	
PE3W08704-6	6 inch	Insertion Loss (Typ.)	0.21	0.22	0.24	0.26	0.32	dB	0.106
PE3W08704-12	12 inch	Insertion Loss (Typ.)	0.22	0.24	0.28	0.32	0.44	dB	0.122
PE3W08704-24	24 inch	Insertion Loss (Typ.)	0.24	0.28	0.36	0.43	0.68	dB	0.155
PE3W08704-36	36 inch	Insertion Loss (Typ.)	0.25	0.32	0.43	0.54	0.92	dB	0.187
PE3W08704-60	60 inch	Insertion Loss (Typ.)	0.28	0.39	0.58	0.76	1.4	dB	0.251

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:	0.122 pounds
Additional Weight per Inch:	0.00267 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.122 lbs [55.34 g]

Cable

Cable Type	RG402
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor 1 Material and Plating	Copper
Jacket Material	Tan
Repeated Minimum Bend Radius	0.25 in [6.35 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30μ in. minimum	50 μin minimum
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Nickel	Stainless Steel, Gold
Body Plating Specification	100μ in. minimum	10 μin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum	100 μin minimum
Hex Size		5/16 inch
Torque		3 in-lbs 0.34 Nm

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3W08704

Typical Performance Data

How to Order

Part Number Configuration:

PE3W08704

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W08704-12 = 12 inches long cable
PE3W08704-100cm = 100 cm long cable

N Male to SMA Male Cable Using 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 Male to SMA Male Cable Using RG402 Coax PE3W08704](#)

URL: <https://www.pasternack.com/n-male-to-sma-male-cable-using-rg402-pe3w08704-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.

PE3W08704 CAD Drawing

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