

N Male to N Male Cable Using PE-SR402FL Coax



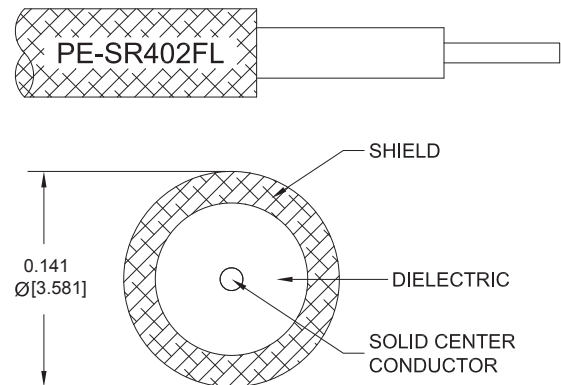
PE3W01545

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: PE-SR402FL
- Coax Flex Type: Formable

Features

- Max Frequency 4 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W01545 type N male to type N male cable using PE-SR402FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack type N to type N cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FL coax. The PE3W01545 type N male to type N 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		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	Units	Weight (lbs)
			Frequency	500	1000	4000	
PE3W01545	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.12	0.248	dB/ft	
			0.27	0.4	0.82	dB/m	
PE3W01545-6	6 inch	Insertion Loss (Typ.)	0.24	0.26	0.33	dB	0.177
PE3W01545-9	9 inch	Insertion Loss (Typ.)	0.26	0.29	0.39	dB	0.183
PE3W01545-12	12 inch	Insertion Loss (Typ.)	0.28	0.32	0.45	dB	0.189
PE3W01545-18	18 inch	Insertion Loss (Typ.)	0.32	0.38	0.58	dB	0.202
PE3W01545-24	24 inch	Insertion Loss (Typ.)	0.36	0.44	0.7	dB	0.215

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:	0.189 pounds
Additional Weight per Inch:	0.00209 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.189 lbs [85.73 g]

Cable

Cable Type	PE-SR402FL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
One Time Minimum Bend Radius	0.315 in [8 mm]
Repeated Minimum Bend Radius	1.57 in [39.88 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
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	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum	100μ in. minimum

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3W01545

Typical Performance Data

How to Order

Part Number Configuration:

PE3W01545

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W01545-12 = 12 inches long cable
PE3W01545-100cm = 100 cm long cable

N Male to N Male Cable Using PE-SR402FL 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 N Male Cable Using PE-SR402FL Coax PE3W01545](#)

URL: <https://www.pasternack.com/n-male-to-n-male-cable-using-pe-sr402fl-pe3w01545-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.

PE3W01545 CAD Drawing

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