



TNC Male to TNC Male Cable Using PE-SR402AL Coax

TECHNICAL DATA SHEET

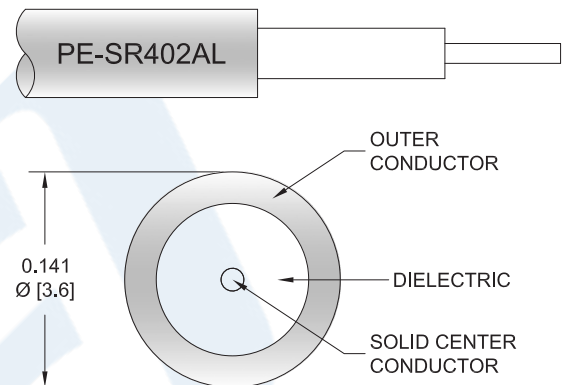
PE3W06975

Configuration

- Connector 1: TNC Male
- Connector 2: TNC Male
- Cable Type: PE-SR402AL
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 20 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06975 TNC male to TNC male cable using PE-SR402AL 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 TNC to TNC cable assembly has a male to male gender configuration with 50 ohm semi-rigid PE-SR402AL coax. The PE3W06975 TNC male to TNC male cable assembly operates to 20 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to TNC Male Cable Using PE-SR402AL Coax PE3W06975](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	1000	2000	4500	9000	#####	MHz	
PE3W06975	Custom Lengths Available	Insertion Loss (Typ.)	0.13	0.16	0.25	0.42	0.71	dB/ft	
			0.43	0.53	0.83	1.38	2.33	dB/m	
PE3W06975-6	6 inch	Insertion Loss (Typ.)	0.27	0.28	0.33	0.41	0.56	dB	0.12
PE3W06975-12	12 inch	Insertion Loss (Typ.)	0.33	0.36	0.45	0.62	0.91	dB	0.128
PE3W06975-24	24 inch	Insertion Loss (Typ.)	0.46	0.52	0.7	1.04	1.62	dB	0.146
PE3W06975-36	36 inch	Insertion Loss (Typ.)	0.59	0.68	0.95	1.46	2.33	dB	0.163
PE3W06975-48	48 inch	Insertion Loss (Typ.)	0.72	0.84	1.2	1.88	3.04	dB	0.18

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:	0.128 pounds
Additional Weight per Inch:	0.00144 pounds

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.128 lbs [58.06 g]

Cable

Cable Type	PE-SR402AL
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 Material and Plating	Tinned Aluminum
Repeated Minimum Bend Radius	0.15 in [3.81 mm]

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Connectors

Description	Connector 1	Connector 2
Type	TNC Male Threaded	TNC Male Threaded
Impedance	50 Ohms	50 Ohms
Body Material and Plating	Brass, Nickel	Brass, Nickel

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

PE3W06975

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W06975-12 = 12 inches long cable
PE3W06975-100cm = 100 cm long cable

TNC Male to TNC Male Cable Using PE-SR402AL 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: [TNC Male to TNC Male Cable Using PE-SR402AL Coax PE3W06975](#)

URL: <https://www.pasternack.com/tnc-male-tnc-male-pe-sr402al-cable-assembly-pe3w06975-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

