

2.92mm Male to 2.92mm Male Cable Using PE-SR405AL Coax



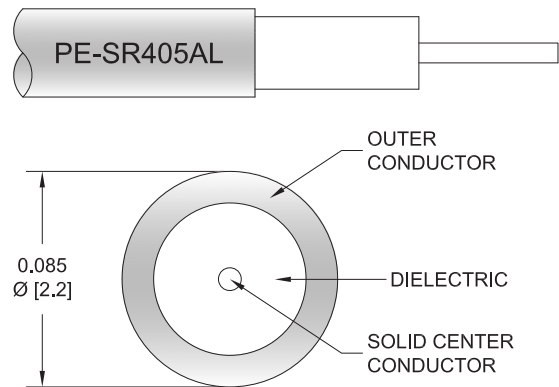
PE3C0832

Configuration

- Connector 1: 2.92mm Male
- Connector 2: 2.92mm Male
- Cable Type: PE-SR405AL
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 40 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C0832 2.92mm male to 2.92mm male cable using PE-SR405AL 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 2.92mm to 2.92mm cable assembly has a male to male gender configuration with 50 ohm semi-rigid PE-SR405AL coax. The PE3C0832 2.92mm male to 2.92mm male cable assembly operates to 40 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		40	
VSWR			1.4:1	

Specifications by Frequency

2.92mm Male to 2.92mm Male Cable Using PE-SR405AL Coax



PE3C0832

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	2500	5000	10000	20000	MHz	
PE3C0832	Custom Lengths Available	Insertion Loss (Typ.)	0.32	0.48	0.81	1.31	dB/ft	
			1.05	1.58	2.66	4.3	dB/m	
PE3C0832-6	6 inch	Insertion Loss (Typ.)	1.16	1.24	1.41	1.66	dB	0.021
PE3C0832-12	12 inch	Insertion Loss (Typ.)	1.32	1.48	1.81	2.31	dB	0.028
PE3C0832-18	18 inch	Insertion Loss (Typ.)	1.48	1.72	2.22	2.97	dB	0.036
PE3C0832-24	24 inch	Insertion Loss (Typ.)	1.64	1.96	2.62	3.62	dB	0.043
PE3C0832-36	36 inch	Insertion Loss (Typ.)	1.96	2.44	3.43	4.93	dB	0.057

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:	0.5 dB
Loss due to Connector 2:	0.5 dB
Base Weight:	0.028 pounds
Additional Weight per Inch:	0.00117 pounds

Mechanical Specifications

Cable Assembly

Weight 0.028 lbs [12.7 g]

Cable

Cable Type	PE-SR405AL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Aluminum

Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PCTFE	PCTFE
Body Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Body Plating Specification	50 µin minimum	50 µin minimum
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 in.	5/16 in.
Torque	8 in-lbs 0.9 Nm	8 in-lbs 0.9 Nm

2.92mm Male to 2.92mm Male Cable Using PE-SR405AL Coax



PE3C0832

Environmental Specifications

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

Typical Performance Data

How to Order

Part Number Configuration:

PE3C0832 **- xx** **uu**

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

Example: PE3C0832-12 = 12 inches long cable
PE3C0832-100cm = 100 cm long cable

2.92mm Male to 2.92mm Male Cable Using PE-SR405AL 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: [2.92mm Male to 2.92mm Male Cable Using PE-SR405AL Coax PE3C0832](#)

URL: <https://www.pasternack.com/2.92mm-male-to-2.92mm-male-cable-using-pe-sr405al-pe3c0832-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.

2.92mm Male to 2.92mm Male Cable Using PE-SR405AL Coax

