



7/16 DIN Male to 7/16 DIN Male Cable Using PE-SR401AL Coax

TECHNICAL DATA SHEET

PE3C0399

Configuration

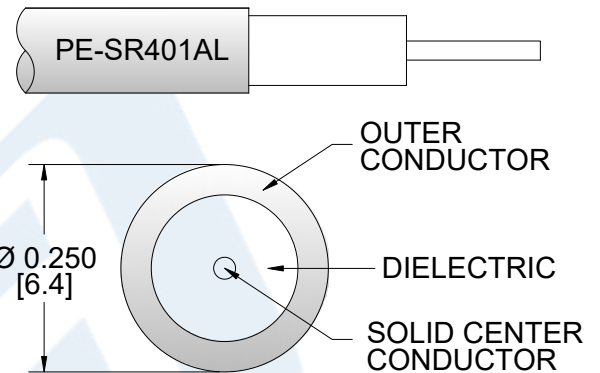
- Connector 1: 7/16 DIN Male
- Connector 2: 7/16 DIN Male
- Cable Type: PE-SR401AL-STRAIGHT
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use



Description

Pasternack's PE3C0399 7/16 DIN male to 7/16 DIN male cable using PE-SR401AL 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 7/16 DIN to 7/16 DIN cable assembly has a male to male gender configuration with 50 ohm semi-rigid PE-SR401AL-STRAIGHT coax. The PE3C0399 7/16 DIN male to 7/16 DIN male cable assembly operates to 18 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: [7/16 DIN Male to 7/16 DIN Male Cable Using PE-SR401AL Coax PE3C0399](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Velocity of Propagation		69.5		%
Capacitance		29.6 [97.11]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			7,500	Vrms

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	1000	2000	4500	9000	#####	MHz	
PE3C0399	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.11	0.2	0.3	0.48	dB/ft	
			0.25	0.37	0.66	0.99	1.58	dB/m	
PE3C0399-12	12 inch	Insertion Loss (Typ.)	0.28	0.31	0.4	0.5	0.68	dB	0.582
PE3C0399-18	18 inch	Insertion Loss (Typ.)	0.32	0.37	0.5	0.65	0.92	dB	0.612
PE3C0399-36	36 inch	Insertion Loss (Typ.)	0.43	0.53	0.8	1.1	1.64	dB	0.702
PE3C0399-48	48 inch	Insertion Loss (Typ.)	0.5	0.64	1	1.4	2.12	dB	0.762
PE3C0399-60	60 inch	Insertion Loss (Typ.)	0.58	0.75	1.2	1.7	2.6	dB	0.822

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:	0.582 pounds
Additional Weight per Inch:	0.005 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 0.582 lbs [263.99 g]

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Cable

Cable Type	PE-SR401AL-STRAIGHT
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 Aluminum
Jacket Diameter	0.25 in [6.35 mm]
One Time Minimum Bend Radius	0.25 in [6.35 mm]

Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male Threaded	7/16 DIN Male Threaded
Impedance	50 Ohms	50 Ohms
Body Material and Plating	Brass, Nickel	Brass, Nickel

Mechanical Specification Notes:

Cable assemblies that are 60 inches or less use straight coax, greater than 60 inches use coiled coax

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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TECHNICAL DATA SHEET

PE3C0399

How to Order

Part Number Configuration:

PE3C0399

- **xx**

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

Example: PE3C0399-12 = 12 inches long cable
PE3C0399-100cm = 100 cm long cable

7/16 DIN Male to 7/16 DIN Male Cable Using PE-SR401AL 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: [7/16 DIN Male to 7/16 DIN Male Cable Using PE-SR401AL Coax PE3C0399](#)

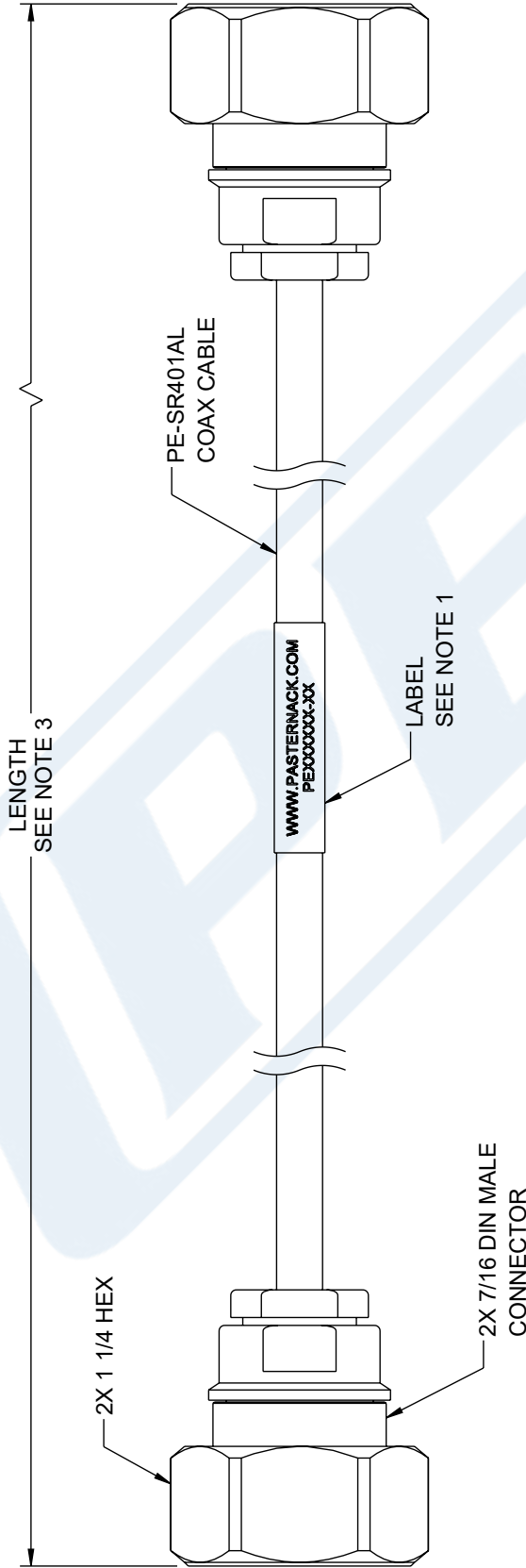
URL: <https://www.pasternack.com/7-16-din-male-7-16-din-male-pe-sr401al-cable-assembly-pe3c0399-p.aspx>

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.

PE3C0399 CAD Drawing

7/16 DIN Male to 7/16 DIN Male Cable Using PE-SR401AL Coax

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/13/2023	HBAKKE	AGANWANI



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
	SCALE	SHEET
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	NONE	1 OF 1
DESCRIPTION 7/16 DIN MALE TO 7/16 DIN MALE CABLE USING PE-SR401AL COAX		
SIZE A	CAGE CODE 53919	DRAWN BY HBAKKE
ITEM NO. PE3C0399	REV A	