



7/16 DIN Male to SC Male Cable Using RG393 Coax

RF Cable Assemblies Technical Data Sheet

PE37497

Configuration

- Connector 1: 7/16 DIN Male
- Connector 2: SC Male
- Cable Type: RG393

Features

- Max Frequency 6 GHz
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE37497 7/16 DIN male to SC male cable using RG393 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack 7/16 DIN to SC cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE37497 7/16 DIN male to SC male cable assembly operates to 6 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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		6	GHz
VSWR			1.5:1	
Capacitance		32 [104.99]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

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 SC Male Cable Using RG393 Coax PE37497](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.045	0.075	0.1	0.17	0.23	dB/ft
	0.15	0.25	0.33	0.56	0.75	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as .2dB of connector loss.

Mechanical Specifications

Cable Assembly

Diameter	1.25 in [31.75 mm]
Weight	0.322 lbs [146.06 g]

Cable

Cable Type	RG393
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.39 in [9.91 mm]

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Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male	SC Male
Specification	IEC 169-4	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass/Beryllium Copper, Gold	Brass, Silver
Contact Plating Specification	30µ in. minimum	200µ 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	
Coupling Nut Plating Specification	100µ in. minimum	
Hex Size	32 mm	
Torque	18 ft-lbs [24.41 Nm]	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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 SC Male Cable Using RG393 Coax PE37497](#)

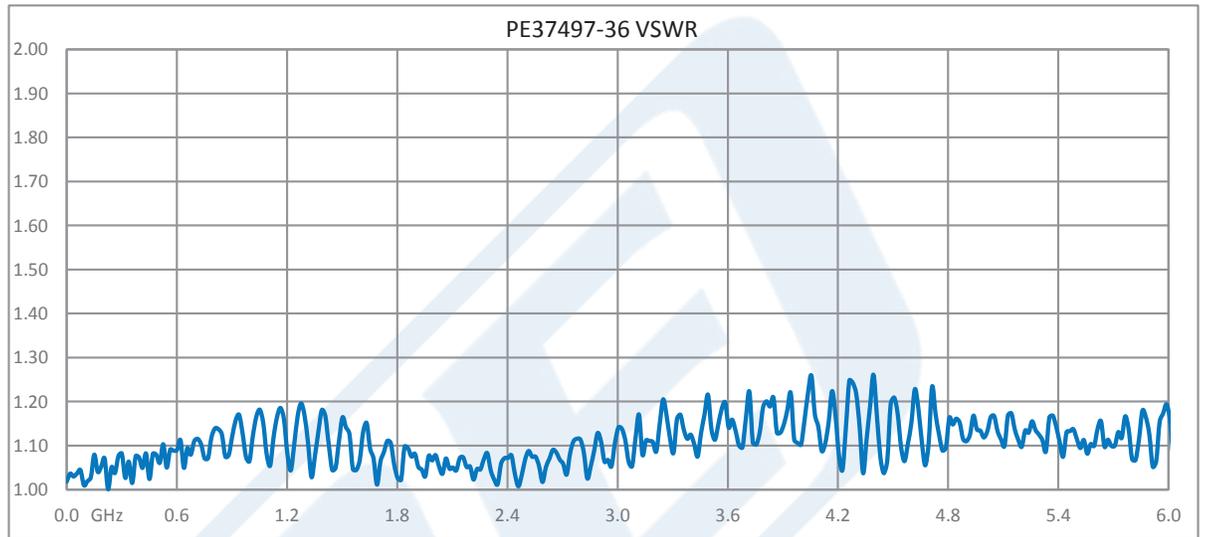


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Typical Performance Data



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RF Cable Assemblies Technical Data Sheet

PE37497

How to Order

Part Number Configuration:

PE37497

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE37497-12 = 12 inches long cable
PE37497-100cm = 100 cm long cable

7/16 DIN Male to SC Male Cable Using RG393 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.

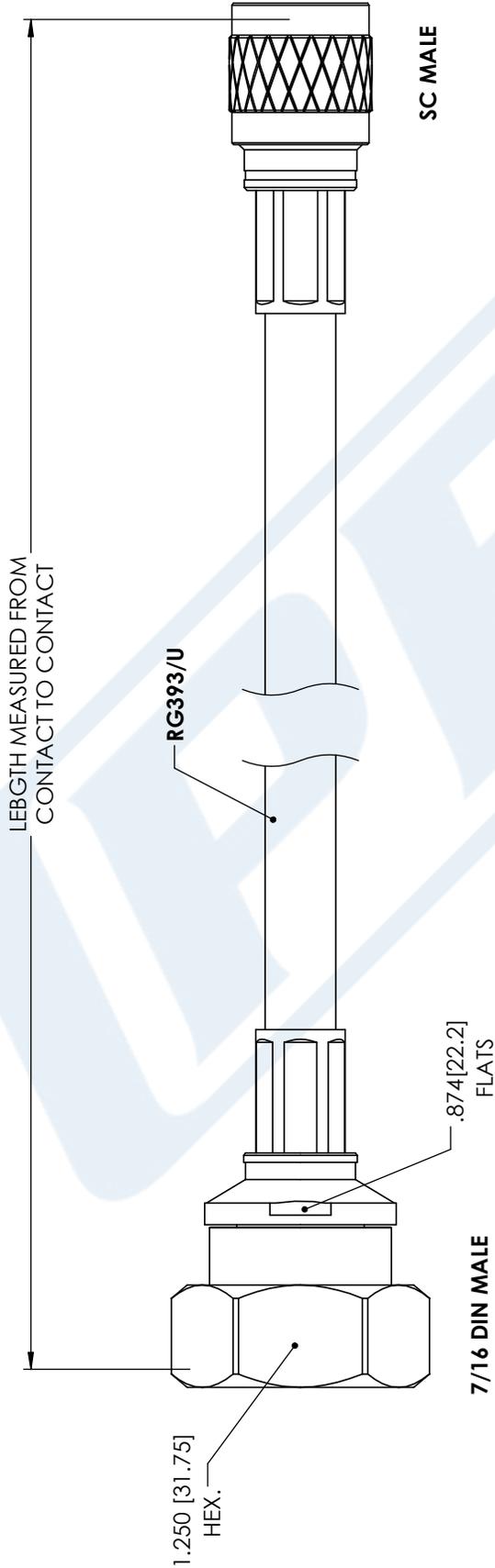
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to SC Male Cable Using RG393 Coax PE37497](https://www.pasternack.com/7-16-din-male-sc-male-rg393u-cable-assembly-pe37497-p.aspx)

URL: <https://www.pasternack.com/7-16-din-male-sc-male-rg393u-cable-assembly-pe37497-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.

PE37497 CAD Drawing

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE
 PE37497

CAGE CODE 53919

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE 09/18/18

SCALE N/A

SIZE A
 CN2245