



7/16 DIN Male to SC Male Cable 50 CM  
Length Using RG393 Coax

RF Cable Assemblies Technical Data Sheet

PE37497-50CM

### 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 PE37497-50CM 7/16 DIN male to SC male 50 cm 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 PE37497-50CM 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

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.273	0.323	0.377	0.488	0.59	dB

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 50 CM Length Using RG393 Coax PE37497-50CM](#)



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**PE37497-50CM****Electrical Specification Notes:**

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector loss.

**Mechanical Specifications****Cable Assembly**

Length\* 19.69 in [500.13 mm]  
Diameter 1.25 in [31.75 mm]

**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]

**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  $\pm 3/8"$ , whichever is greater.

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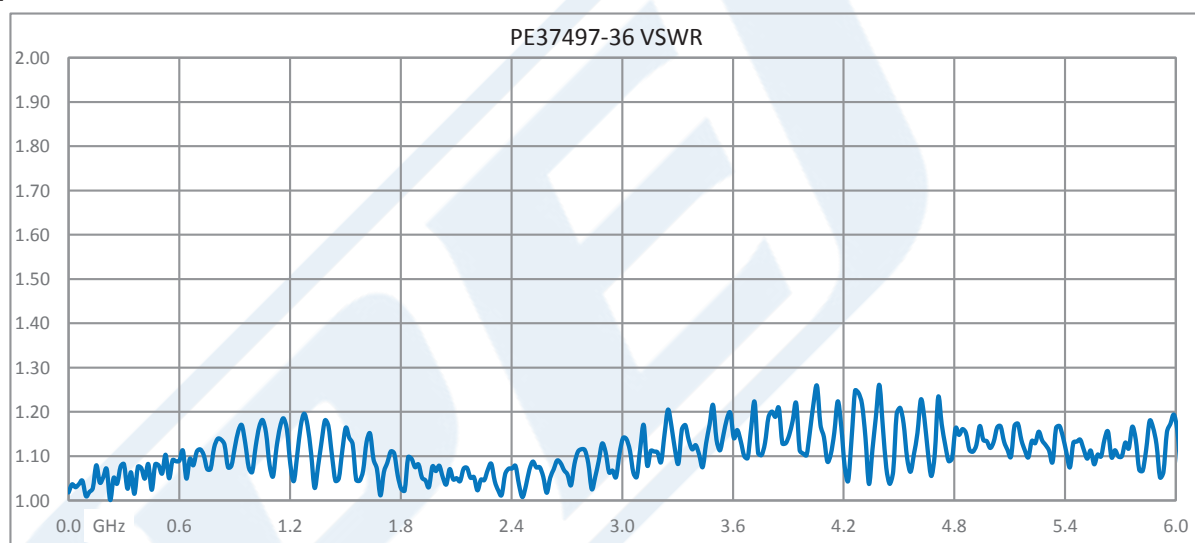
**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

### Typical Performance Data



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 50 CM Length Using RG393 Coax PE37497-50CM](#)



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PE37497-50CM

**How to Order**

Part Number Configuration:

PE37497

- xx

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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 50 CM Length 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.

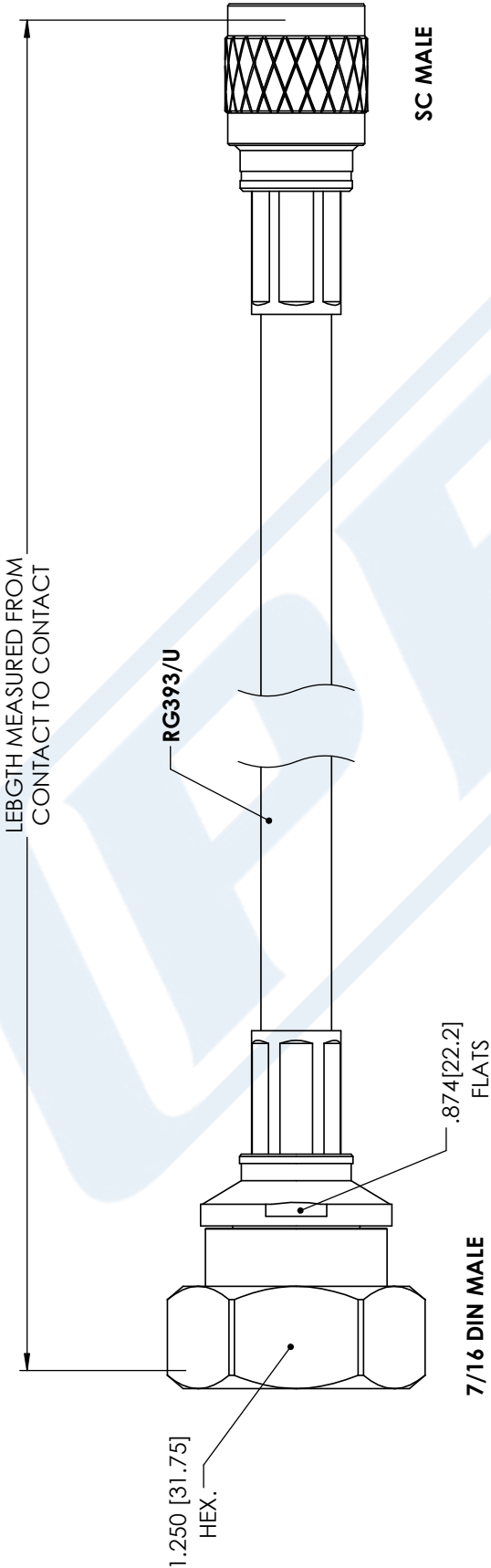
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to SC Male Cable 50 CM Length Using RG393 Coax PE37497-50CM](https://www.pasternack.com/7-16-din-male-sc-male-rg393u-cable-assembly-pe37497-50cm-p.aspx)

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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.

PE37497-50CM CAD Drawing

7/16 DIN Male to SC Male Cable 50 CM Length Using RG393 Coax



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

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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THE ENGINEER'S RF SOURCE

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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