



7/16 DIN Male to SC Male Cable Using  
RG393 Coax with HeatShrink in 200CM

**TECHNICAL DATA SHEET**

**PE37497/HS-200CM**

**Configuration**

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

**Features**

- Max Frequency 6 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE37497/HS-200CM 7/16 DIN male to SC male 200 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/HS-200CM 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.

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 with HeatShrink in 200CM PE37497/HS-200CM](#)



## 7/16 DIN Male to SC Male Cable Using RG393 Coax with HeatShrink in 200CM

### TECHNICAL DATA SHEET

**PE37497/HS-200CM**

#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 6       | GHz          |
| VSWR                    |         |              | 1.5:1   |              |
| Velocity of Propagation |         | 69.5         |         | %            |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Description           | F1   | F2  | F3  | F4   | F5   | Units |
|-----------------------|------|-----|-----|------|------|-------|
| Frequency             | 0.25 | 0.5 | 1   | 2.5  | 6    | GHz   |
| Insertion Loss (Typ.) | 0.4  | 0.5 | 0.7 | 1.03 | 1.77 | dB    |

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Length\* 78.7402 in [200 cm]

Weight 1.33 lbs [603.28 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]  
Repeated Minimum Bend Radius 3.9 in [99.06 mm]

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 with HeatShrink in 200CM PE37497/HS-200CM](#)



7/16 DIN Male to SC Male Cable Using  
RG393 Coax with HeatShrink in 200CM

**TECHNICAL DATA SHEET**

**PE37497/HS-200CM**

**Connectors**

| Description                        | Connector 1              | Connector 2      |
|------------------------------------|--------------------------|------------------|
| Type                               | 7/16 DIN Male Threaded   | SC Male Threaded |
| Specification                      | IEC 169-4                | MIL-STD-348A     |
| Impedance                          | 50 Ohms                  | 50 Ohms          |
| Contact Material and Plating       | Brass, Gold              | Brass, Silver    |
| Contact Plating Specification      | 30 µin minimum           | 200 µin minimum  |
| Dielectric Type                    | PTFE                     | PTFE             |
| Body Material and Plating          | Brass, Nickel            | Brass, Nickel    |
| Body Plating Specification         | 100 µin minimum          | 100 µin minimum  |
| Coupling Nut Material and Plating  | Brass, Nickel            | Brass, Nickel    |
| Coupling Nut Plating Specification | 100 µin minimum          | 100 µin minimum  |
| Hex Size                           | 32 mm                    |                  |
| Torque                             | 18.417 ft-lbs [24.97 Nm] |                  |

**Environmental Specifications**

**Temperature**

Operating Range -55 to +155 deg C

**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 with HeatShrink in 200CM PE37497/HS-200CM](#)



7/16 DIN Male to SC Male Cable Using  
RG393 Coax with HeatShrink in 200CM

**TECHNICAL DATA SHEET**

**PE37497/HS-200CM**

**How to Order**

Part Number Configuration:

**PE37497/HS**

**- xx**

**uu**

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

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

7/16 DIN Male to SC Male Cable Using RG393 Coax with HeatShrink in 200CM 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 with HeatShrink in 200CM PE37497/HS-200CM](#)

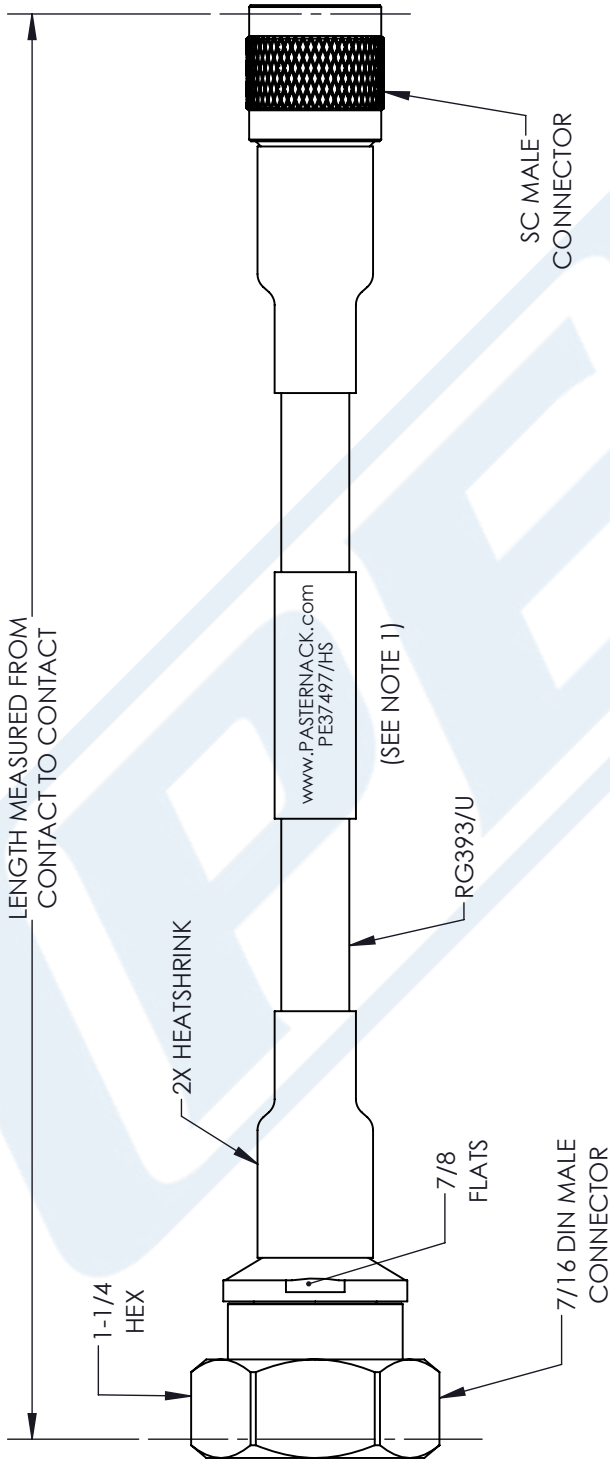
URL: <https://www.pasternack.com/7-16-din-male-sc-male-rg393u-cable-assembly-pe37497-hs-200cm-p.aspx>

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/HS-200CM CAD Drawing

7/16 DIN Male to SC Male Cable Using RG393 Coax with HeatShrink in 200CM

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 08/10/2022 | AGANWANI |



NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM END OF CONNECTOR

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

| TOLERANCES:                                     |             |
|-------------------------------------------------|-------------|
| X = ± .2                                        | [.008]      |
| .XX = ± .02                                     | [.51]       |
| .XXX = ± .005                                   | [.13]       |
| ANGLES ± 1°                                     |             |
| CABLE LENGTH (L) TOLERANCES:                    |             |
| L ≤ 12 [305]                                    | ± .125 [ -0 |
| 12 [305] < L ≤ 60 [1524]                        | ± .25 [ -0  |
| 60 [1524] < L ≤ 120 [3048]                      | ± .5 [ -0   |
| 120 [3048] < L ≤ 300 [7620]                     | ± 1.0 [ -0  |
| 300 [7620] < L                                  | ± 5% [ -0   |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY. |             |

**PE PASTERNAK**  
an INFINITI® brand

|                                                                                                                                                                                                   |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Pastermack Enterprises, Inc.<br>P.O. Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>Website: www.pastermack.com<br>E-mail: sales@pastermack.com |            |
| SIZE                                                                                                                                                                                              | ITEM NO.   |
| A                                                                                                                                                                                                 | 53919      |
| CAGE CODE                                                                                                                                                                                         | BPUCHASKI  |
| DRAWN BY                                                                                                                                                                                          | PE37497/HS |
| REV                                                                                                                                                                                               | A          |

THIRD-ANGLE PROJECTION

|                                                                                                                       |     |
|-----------------------------------------------------------------------------------------------------------------------|-----|
| THE INFORMATION AND<br>DESIGN IN THIS DOCUMENT<br>IS THE PROPERTY OF<br>PASTERNAK CORPORATION<br>ALL RIGHTS RESERVED. |     |
| SHEET                                                                                                                 | OF  |
| 1                                                                                                                     | 1   |
| SCALE                                                                                                                 | N/A |
| REV                                                                                                                   | A   |