

## 7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

**PE3205/HS**

#### Configuration

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

#### Features

- Max Frequency 7.5 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3205/HS 7/16 DIN male to 7/16 DIN 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 7/16 DIN cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE3205/HS 7/16 DIN male to 7/16 DIN male cable assembly operates to 7.5 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		7.5	GHz
VSWR			1.4:1	
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	7.5	GHz
Insertion Loss (Max.)	1.03	1.045	1.075	1.125625	1.28	dB/ft
	3.38	3.43	3.53	3.69	4.2	dB/m

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 RG393 Coax with HeatShrink PE3205/HS](#)

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VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

#### Mechanical Specifications

##### Cable Assembly

Weight 0.448 lbs [203.21 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]

##### Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male Threaded	7/16 DIN Male Threaded
Specification	IEC 169-4	IEC 169-4
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 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	32 mm
Torque	18.417 ft-lbs [24.97 Nm]	18.417 ft-lbs [24.97 Nm]

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**PE3205/HS**

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +155 deg C

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

#### Plotted and Other Data

Notes:

#### How to Order

Part Number Configuration:

**PE3205/HS - xx****uu**

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

Example: PE3205/HS-12 = 12 inches long cable  
PE3205/HS-100cm = 100 cm long cable

7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax with HeatShrink 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.

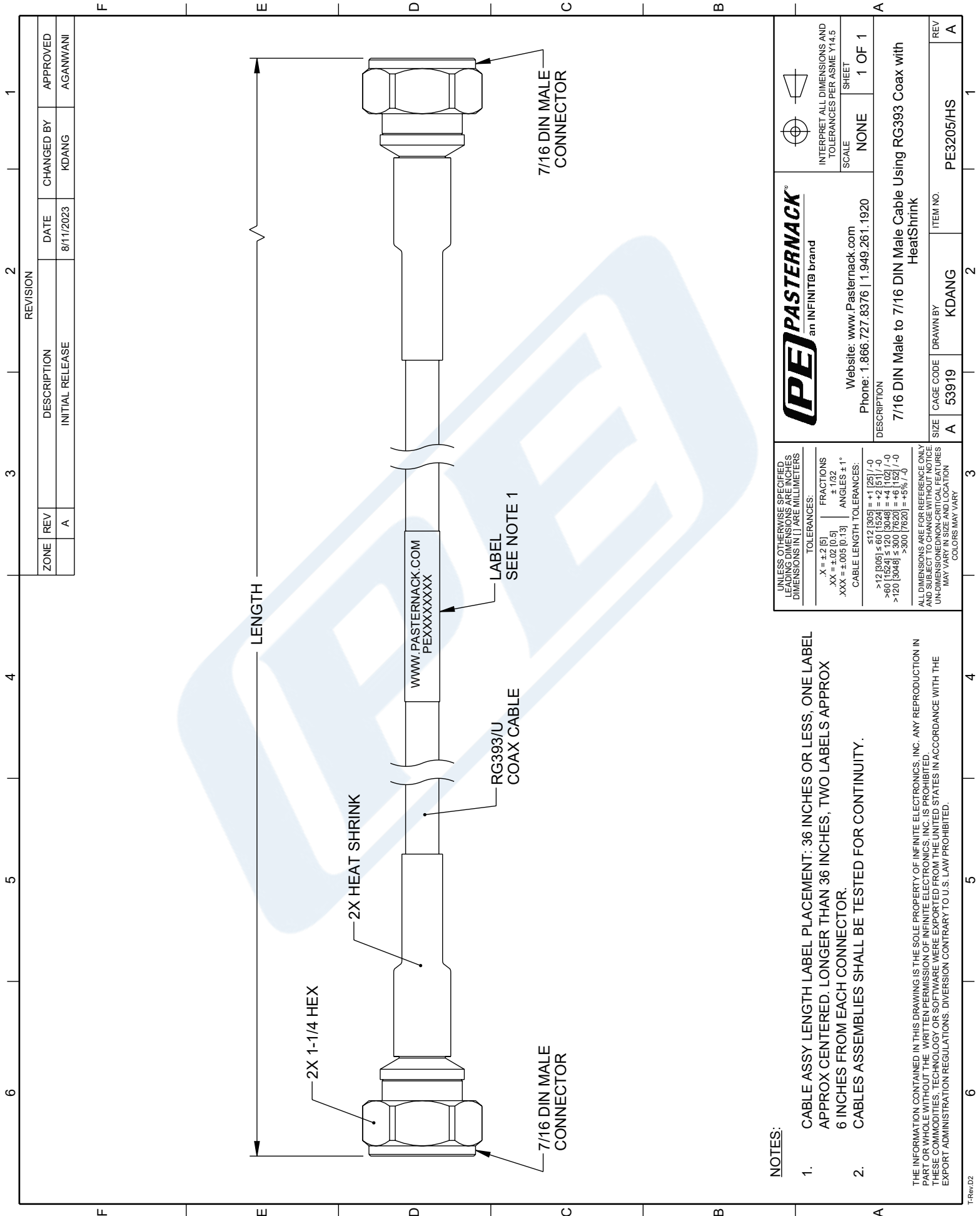
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax with HeatShrink PE3205/HS](#)

URL: <https://www.pasternack.com/7-16-din-male-to-7-16-din-male-cable-using-rg393-with-heatshrink-pe3205-hs-p.aspx>

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# PE3205/HS CAD Drawing

7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax with HeatShrink



## NOTES:

- CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
- CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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<b>PASTERNAK</b> an INFINITI® brand		 SCALE: NONE SHEET: 1 OF 1	
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920			
<b>DESCRIPTION</b> 7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax with HeatShrink			
<b>SIZE</b> A	<b>CAGE CODE</b> 53919	<b>DRAWN BY</b> KDANG	<b>ITEM NO.</b> PE3205/HS
<b>REV</b> A		<b>REV</b> A	

TOLERANCES:	
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS	
.X = ±.2 [5]	FRACTIONS
XX = ±.02 [0.5]	± 1/32
XXX = ±.005 [0.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
<12 [305]	±.1 [25] / -0
>12 [305] ≤ 60 [1524]	±.2 [51] / -0
>60 [1524] ≤ 120 [3048]	±.4 [102] / -0
>120 [3048] ≤ 300 [7620]	±.6 [152] / -0
>300 [7620]	±.8 [203] / -0