



## 7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax, LF Solder, RoHS

### RF Cable Assemblies Technical Data Sheet

PE3205LF

#### Configuration

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

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		7.5	GHz
VSWR			1.5:1	
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	7.5	GHz
Insertion Loss (Typ.)	0.03	0.045	0.075	0.12	0.28	dB/m
	0.1	0.15	0.25	0.39	0.92	dB/ft

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as .1dB x SQRT (Frequency GHz) per connector.

#### Mechanical Specifications

##### Cable Assembly

Diameter	1.25 in [31.75 mm]
Weight	0.654 lbs [296.65 g]

##### Cable

Cable Type	RG393
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE

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, LF Solder, RoHS PE3205LF](#)



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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	7/16 DIN Male
Specification	IEC 169-4	IEC 169-4
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass/Beryllium Copper, Gold	Brass/Beryllium Copper, Gold
Contact Plating Specification	30μ in. minimum	30μ 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	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum	100μ in. minimum
Hex Size	32 mm	32 mm
Torque	18 ft-lbs [24.41 Nm]	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.

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PE3205LF

### How to Order

Part Number Configuration:

PE3205LF

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3205LF-12 = 12 inches long cable  
PE3205LF-100cm = 100 cm long cable

7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax, LF Solder, RoHS 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.

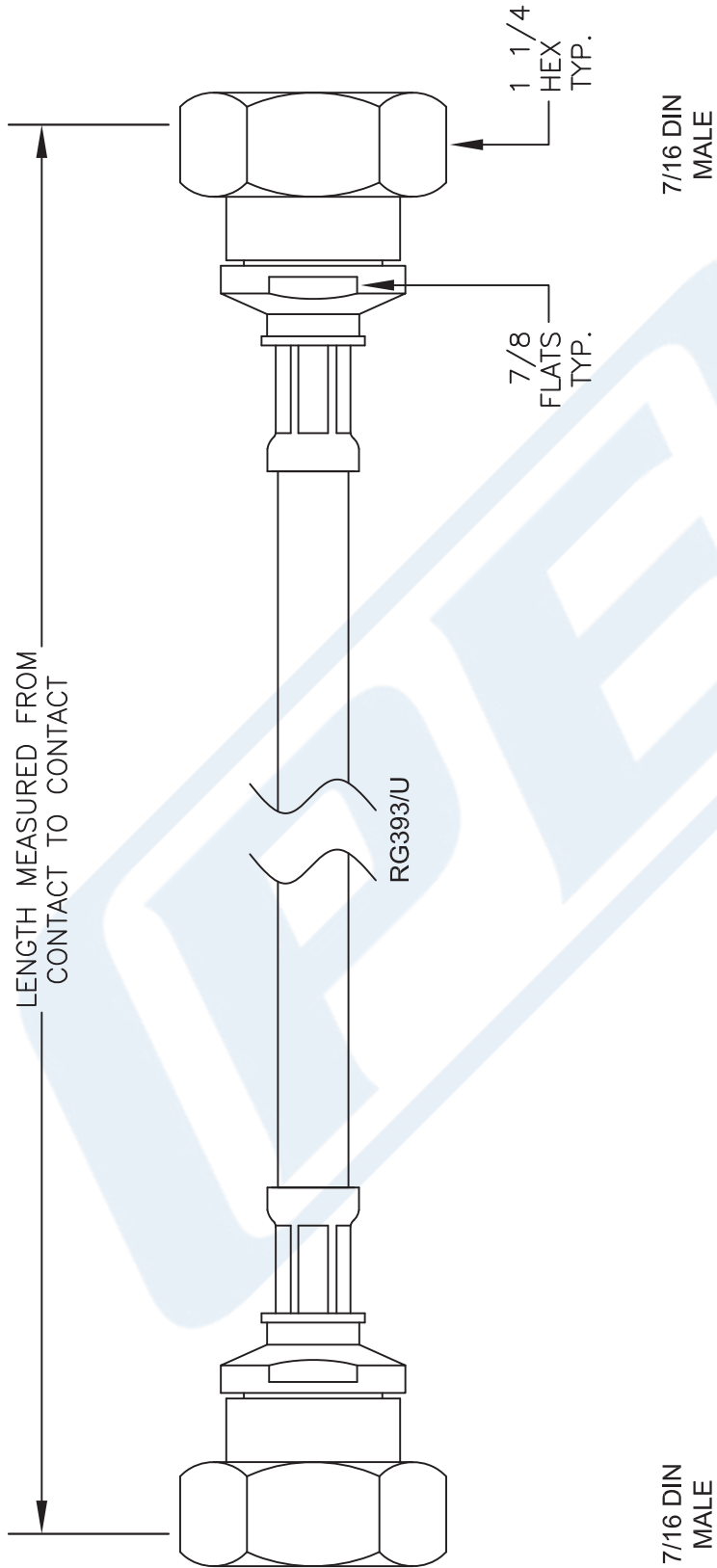
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax, LF Solder, RoHS PE3205LF](#)

URL: <https://www.pasternack.com/7-16-male-7-16-male-rg393u-cable-assembly-pe3205lf-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.

# PE3205LF CAD Drawing

7/16 DIN Male to 7/16 DIN Male Cable Using RG393 Coax, LF Solder, RoHS



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].

DWG TITLE  
**PE3205LF**

CAGE CODE 53919

CAD FILE 011217

SCALE N/A

SIZE A

2233

**(PE) PASTERNAK®**  
 THE ENGINEER'S RF SOURCE  
 Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** www.pasternack.com | **E-Mail:** sales@pasternack.com