

## 7/16 DIN Male to 7/16 DIN Male Low PIM Cable Using TFT-5G-402 Coax Using Times Microwave Components



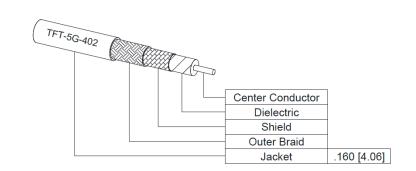
## PE3C7991

### Configuration

Connector 1: 7/16 DIN Male
Connector 2: 7/16 DIN Male
Cable Type: TFT-5G-402
Coax Flex Type: Flexible

#### **Features**

- Max Frequency 5.8 GHz
  Low PIM: -160 dBc Max
  Shielding Effectivity > 80 dB
- 76% Phase Velocity
- · Double Shielded
- · FEP Jacket



#### **Applications**

- · General Purpose
- · Laboratory Use

- Low PIM Applications
- Indoor and Outdoor Use
- · Plenum Rated Applications

## **Description**

Pasternack's PE3C7991 7/16 DIN male to 7/16 DIN male cable using TFT-5G-402 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 TFT-5G-402 coax. The PE3C7991 7/16 DIN male to 7/16 DIN male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 80 dB.

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		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	80			dB
Passive Intermodulation			-160	dBc



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## **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Capacitance		26.7 [87.6]		pF/ft [pF/m]

## **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.07	0.08	0.11	0.2	0.3	dB/ft
	0.23	0.26	0.36	0.66	0.98	dB/m

**Electrical Specification Notes:** 

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

## **Mechanical Specifications**

## **Cable Assembly**

Width/Diameter 1.25 in [31.75 mm]

Cable

Cable TypeTFT-5G-402Impedance50 OhmsInner Conductor TypeSolidInner Conductor Material and PlatingCopperDielectric TypePTFE

Number of Shields
Jacket Material

Jacket Diameter0.16 in [4.06 mm]One Time Minimum Bend Radius0.75 in [19.05 mm]

#### **Connectors**

Description	Connector 1	Connector 2	
Туре	7/16 DIN Male	7/16 DIN Male	
Impedance	50 Ohms	50 Ohms	
Configuration	Straight	Straight	
Contact Material and Plating	Brass, Silver	Brass, Silver	
Contact Plating Specification	5 μm	5 μm	
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Brass, Copper Clad Aluminum	Brass, Copper Clad Aluminum	
Body Plating Specification	3 μm	3 μm	
Coupling Nut Material and Plating	Brass, Copper Clad Aluminum	Brass, Copper Clad Aluminum	
Coupling Nut Plating Specification	3 μm	3 μm	
Torque	22.083 ft-lbs 29.95 Nm	22.083 ft-lbs 29.95 Nm	

FEP, Blue



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### **Environmental Specifications**

Operating Range Temperature

-55 to +150 deg C

Compliance Certifications (see product page for current document)

**Plotted and Other Data** 

Notes:

**Typical Performance Data** 

**How to Order** 

Part Number Configuration:

PE3C7991 - xx uu

Unit of Measure:
cm = Centimeters
<br/>
<br/>
<br/>
<br/>
chlank> = Inches
<br/>
Base Number

Example: PE3C7991-12 = 12 inches long cable

PE3C7991-100cm = 100 cm long cable

7/16 DIN Male to 7/16 DIN Male Low PIM Cable Using TFT-5G-402 Coax Using Times Microwave Components 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 Low PIM Cable Using TFT-5G-402 Coax Using Times Microwave Components PE3C7991

URL: https://www.pasternack.com/7-16-din-male-to-7-16-din-male-low-pim-cable-using-tft-5g-402-pe3c7991-p.aspx

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