

## 7/16 DIN Male to 7/16 DIN Male Cable Using SPP-250-LLPL Coax

### PE3C4130

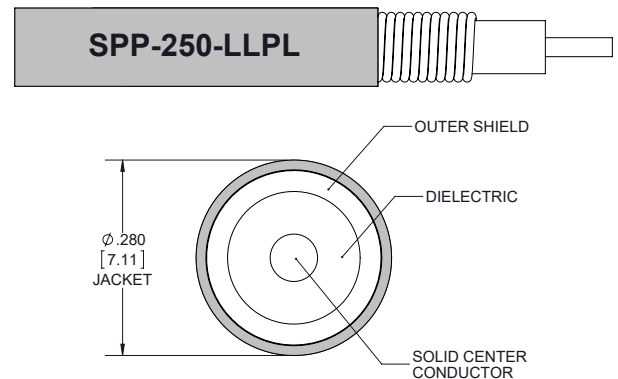


#### Configuration

- Connector 1: 7/16 DIN Male
- Connector 2: 7/16 DIN Male
- Cable Type: SPP-250-LLPL
- Coax Flex Type: Corrugated

#### Features

- Max Frequency 6 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

#### Description

Pasternack's PE3C4130 7/16 DIN male to 7/16 DIN male cable using SPP-250-LLPL coax is part of our full line of RF components available for same-day shipping. Pasternack's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. This Pasternack 7/16 DIN to 7/16 DIN cable assembly has a male to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. The PE3C4130 7/16 DIN male to 7/16 DIN male cable assembly operates to 6 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -160 dBc.

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			1.35:1	
Velocity of Propagation		76		%
RF Shielding	100			dB
Passive Intermodulation		-165	-160	dBc
IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz				
Capacitance		27 [88.58]		pF/ft [pF/m]
Inductance		0.067 [0.22]		uH/ft [uH/m]
DC Resistance Inner Conductor		3 [9.84]		Ohms/1000ft [Ohms/Km]

## 7/16 DIN Male to 7/16 DIN Male Cable Using SPP-250-LLPL Coax

### PE3C4130



#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Operating Voltage (AC)			750	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.04	0.06	0.08	0.12	0.15	dB/ft
	0.13	0.2	0.26	0.39	0.49	dB/m
VSWR (Max.)	1.25:1	1.25:1	1.25:1	1.35:1	1.35:1	

#### Mechanical Specifications

##### Cable Assembly

Weight 0.3236 lbs [146.78 g]

##### Cable

Cable Type SPP-250-LLPL  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper  
 Dielectric Type PTFE  
 Number of Shields 1  
 Outer Conductor 1 Material and Plating Copper  
 Outer Conductor Diameter 0.25 in [6.35 mm]  
 Jacket Material FEP, Blue  
 Jacket Diameter 0.28 in [7.11 mm]  
 One Time Minimum Bend Radius 1.25 in [31.75 mm]  
 Bending Moment 0.8 lbs-ft [1.08 N-m]

#### Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male	7/16 DIN Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

#### Environmental Specifications

Operating Range Temperature -55 to +200 deg C

7/16 DIN Male to 7/16 DIN Male Cable  
Using SPP-250-LLPL Coax



## PE3C4130

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

### Plotted and Other Data

Notes:

### Typical Performance Data



## 7/16 DIN Male to 7/16 DIN Male Cable Using SPP-250-LLPL Coax



# PE3C4130

## How to Order

### Part Number Configuration:

**PE3C4130**

- XX

uu

– Unit of Measure:

cm = Centimeters

<blank> = Inches

- Length

- Base Number

Example: PE3C4130-12 = 12 inches long cable  
PE3C4130-100cm = 100 cm long cable

7/16 DIN Male to 7/16 DIN Male Cable Using SPP-250-LLPL 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 7/16 DIN Male Cable Using SPP-250-LLPL Coax PE3C4130](#)

URL: <https://www.pasternack.com/7-16-din-male-to-7-16-din-male-cable-using-spp-250-llpl-pe3c4130-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C4130 CAD Drawing

7/16 DIN Male to 7/16 DIN Male Cable Using SPP-250-LLPL Coax

