

Plenum 7/16 DIN Male Right Angle to NEX10 Male  
Low PIM Cable 150 cm Length Using SPP-250-LLPL  
Coax Using Times Microwave Parts



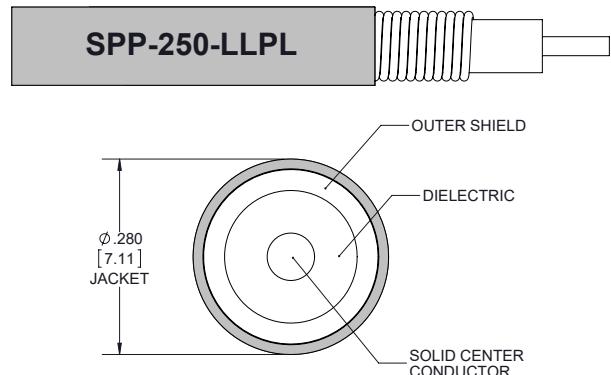
## PE3C6252-150CM

### Configuration

- Connector 1: 7/16 DIN Male Right Angle TC-SPP250-716M-RA-LP
- Connector 2: NEX10 Male TC-250-NX10M-LP
- Cable Type: SPP-250-LLPL
- Coax Flex Type: Corrugated

### Features

- Max Frequency 5.8 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket
- 100% Tested with PIM Test Results Marked on Cable
- UL910 Plenum Rated Cable
- Lightweight and Extremely Flexible
- Low Loss with Excellent VSWR
- IP67 (when mated)
- Using Times Microwave Components



### Applications

- General Purpose
- Laboratory Use
- Low PIM Applications
- Distributed Antenna Systems (DAS)
- Plenum Installations
- Multi-Carrier Communication Systems
- PIM Testing

### Description

Pasternack's PE3C6252-150CM 7/16 DIN male right angle to NEX10 male 150 cm 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 NEX10 cable assembly has a male to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. The PE3C6252-150CM 7/16 DIN male to NEX10 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 right angle 7/16 DIN interface on the SPP-250-LLPL cable allows for easier connections in tight spaces. Times Microwave cable is used in each assembly and TMS components are used to form connections with the super flexible low PIM cable. These cable assemblies are expertly built to satisfy your specific need with high quality Times Microwave Systems manufactured parts.

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	

Plenum 7/16 DIN Male Right Angle to NEX10 Male  
Low PIM Cable 150 cm Length Using SPP-250-LLPL  
Coax Using Times Microwave Parts



## PE3C6252-150CM

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
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]

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Max.)	0.36	0.43	0.49	0.73	1.08	dB

#### Electrical Specification Notes:

PIM test results vary between cables

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the right angle connector and 0.1\*SQRT(FGHz) dB for the straight connector.

### Mechanical Specifications

#### Cable Assembly

Width/Diameter 1.14 in [28.96 mm]  
Weight 0.59 lbs [267.62 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  
Shield Layer 1 Helically Corrugated Copper Tube  
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]

Plenum 7/16 DIN Male Right Angle to NEX10 Male  
Low PIM Cable 150 cm Length Using SPP-250-LLPL  
Coax Using Times Microwave Parts



## PE3C6252-150CM

### Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male Right Angle	NEX10 Male
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Mating Cycles		500
Contact Material and Plating	Brass, Silver	Brass, Silver
Contact Plating Specification	196 $\mu$ in	100 $\mu$ in
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Body Plating Specification	118 $\mu$ in	100 $\mu$ in
Coupling Nut Material and Plating	Brass, Nickel	Brass, Tri-Metal
Coupling Nut Plating Specification	118 $\mu$ in	100 $\mu$ in
Torque	22.127 ft-lbs 30 Nm	13.28 in-lbs 1.5 Nm

### Environmental Specifications

Operating Range Temperature	-55 to +200 deg C
Storage Range Temperature	-55 to +200 deg C
Plenum Rating	UL910

### Compliance Certifications

(see product page for current document)

### Plotted and Other Data

Notes:  
Values at 25°C, sea level.

Plenum 7/16 DIN Male Right Angle to NEX10 Male  
Low PIM Cable 150 cm Length Using SPP-250-LLPL  
Coax Using Times Microwave Parts



## PE3C6252-150CM

### Typical Performance Data



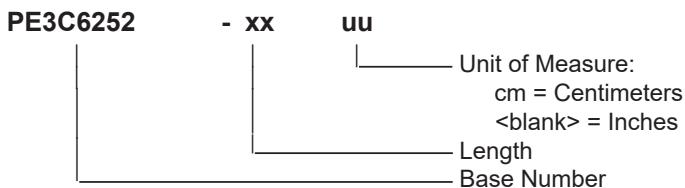
Plenum 7/16 DIN Male Right Angle to NEX10 Male  
Low PIM Cable 150 cm Length Using SPP-250-LLPL  
Coax Using Times Microwave Parts



## PE3C6252-150CM

### How to Order

Part Number Configuration:



Example: PE3C6252-12 = 12 inches long cable  
PE3C6252-100cm = 100 cm long cable

Plenum 7/16 DIN Male Right Angle to NEX10 Male Low PIM Cable 150 cm Length Using SPP-250-LLPL Coax Using Times Microwave Parts 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: [Plenum 7/16 DIN Male Right Angle to NEX10 Male Low PIM Cable 150 cm Length Using SPP-250-LLPL Coax Using Times Microwave Parts PE3C6252-150CM](#)

URL: <https://www.pasternack.com/7-16-din-male-nex10-male-spp250llpl-cable-assembly-pe3c6252-150cm-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.

# PE3C6252-150CM CAD Drawing

Plenum 7/16 DIN Male Right Angle to NEX10 Male Low PIM Cable 150 cm  
Length Using SPP-250-LLPL Coax Using Times Microwave Parts

