



Plenum 4.3-10 Male Right Angle to NEX10 Male
Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax
Using Times Microwave Parts

RF Cable Assemblies Technical Data Sheet

PE3C6262-200CM

Configuration

- Connector 1: TC-250-4310M-RA-LP
4.3-10 Male Right Angle
- Connector 2: TC-250-XNM-LP
NEX10 Male
- Cable: SPP-250-LLPL

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

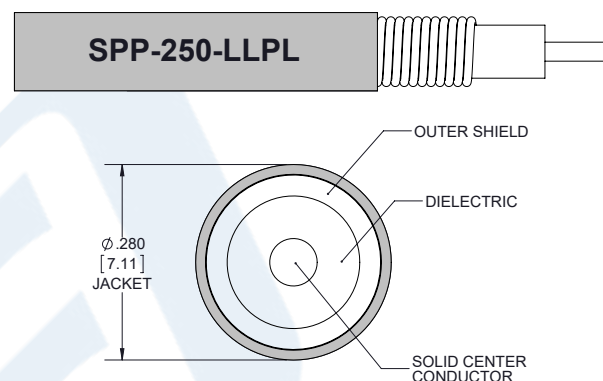
- General Purpose
- Laboratory Use
- Low PIM Applications
- Distributed Antenna Systems (DAS)
- Plenum Installations
- Multi-Carrier Communication Systems
- PIM Testing

Description

Pasternack's PE3C6262-200CM 4.3-10 male right angle to NEX10 male 200 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 4.3-10 to NEX10 cable assembly has a male to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. The PE3C6262-200CM 4.3-10 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 4.3-10 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Plenum 4.3-10 Male Right Angle to NEX10 Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax Using Times Microwave Parts PE3C6262-200CM](#)





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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	100			dB
Passive Intermodulation		-165	-160	dBc
Capacitance		27 [88.58]		pF/ft [pF/m]
Inductance		0.067 [0.22]		uH/ft [uH/m]
DC Resistance Inner Conductor		3 [9.84]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	0.7	1	2.5	5.8	GHz
Insertion Loss (Max.)	0.39	0.5	0.58	0.94	1.48	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*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

Description	Minimum	Typical	Maximum	Units
Length		78.7 [200.0]		in [cm]
Jacket Diameter		0.28 [7.11]		in [mm]
One Time Minimum Bend Radius	1.25			in
Bending Moment		0.8		lbs-ft

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Cable Characteristics

Description	Specification
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 Material and Plating	Copper
Outer Conductor Diameter	0.25 in [6.35 mm]
Jacket Material	FEP, Blue

Connector Characteristics

Description	Connector 1	Connector 2
Type	4.3-10 Male Right Angle	NEX10 Male
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Silver	Brass, Silver
Contact Plating Specification	200µ in	100 µin
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	80µ in	100 µin
Coupling Nut Material and Plating	Brass, Nickel	Brass, Tri-Metal
Coupling Nut Plating Specification	200µ in	100 µin
Torque	15.05 in-lbs 1.7 Nm	13.28 in-lbs 1.5 Nm

Mechanical Specification Notes:

Environmental Specifications

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

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

Typical Performance Data



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How to Order

Part Number Configuration:

PE3C6262

- **xx**

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

Example: PE3C6262-12 = 12 inches long cable
PE3C6262-100cm = 100 cm long cable

Plenum 4.3-10 Male Right Angle to NEX10 Male Low PIM Cable 200 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 4.3-10 Male Right Angle to NEX10 Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax Using Times Microwave Parts PE3C6262-200CM](https://www.pasternack.com/4.3-10-male-nex10-male-spp250llpl-cable-assembly-pe3c6262-200cm-p.aspx)

URL: <https://www.pasternack.com/4.3-10-male-nex10-male-spp250llpl-cable-assembly-pe3c6262-200cm-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.

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Diagram illustrating the components and dimensions of a cable assembly:

- Labels:**
 - PE LABEL:** Located on the left side of the cable.
 - PIM LABEL:** Located on the right side of the cable.
 - PIM LEVEL -zzzdBc:** Located on the right side of the cable.
- Dimensions:**
 - 6" FROM CABLE END 1 PLACE:** Dimension for the PIM LABEL.
 - 11mm HEX:** Dimension for the PIM LEVEL.
 - 12" FROM CABLE END:** Dimension for the PE LABEL.
 - 84" OR LESS:** Dimension for the PIM LEVEL.
- Other Components:**
 - HEAT SHRINK PROTECTOR (2X):** Located on the left side of the cable.
 - www.pasternack.com PART #:** Located on the left side of the cable.
 - SPP-250-LLPL:** Located on the left side of the cable.
 - 22mm HEX:** Dimension for the heat shrink protector.
 - CONTACT:** Located at the end of the cable.
 - 4.3-10 MALE RA:** Located at the end of the cable.
 - XN SCREW MALE:** Located at the end of the cable.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN IT ARE MILLIMETERS		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION, ALL RIGHTS RESERVED.	
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TOLERANCES:		SCALE N/A	
X±.2 [5.08] .XX±.01 [.25] .XXX±.005 [.13]		SCALE	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		REV A	
THIRD-ANGLE PROJECTION		REV	
		REV	
SIZE A		REV	
CAGE 53919		REV	
DRAWN BY K.DANG		REV	
PART NUMBER PE3C6262		REV	

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