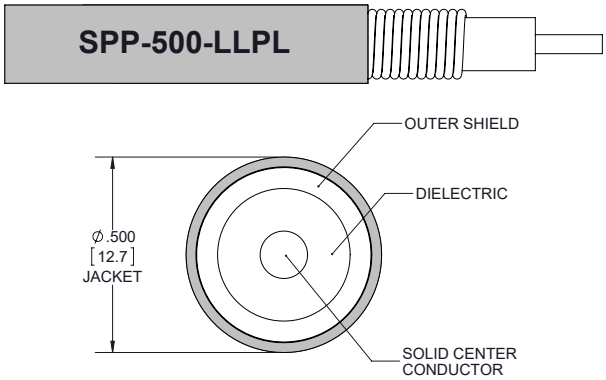
Plenum 4.3-10 Male to 7/16 DIN Male Low PIM Cable Using SPP-500-LLPL Coax

PE3W21263

Configuration

- Connector 1: 4.3-10 Male
- Connector 2: 7/16 DIN Male
- Cable Type: SPP-500-LLPL
- Coax Flex Type: Corrugated



Features

- Max Frequency 3 GHz
- Low PIM: -160 dBc Max
- 76% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

Description

Pasternack's PE3W21263 4.3-10 male to 7/16 DIN male cable using SPP-500-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 7/16 DIN cable assembly has a male to male gender configuration with 50 ohm corrugated SPP-500-LLPL coax. The PE3W21263 4.3-10 male to 7/16 DIN male cable assembly operates to 3 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		3	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
Passive Intermodulation IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz			-160	dBc
Capacitance		26.2 [85.96]		pF/ft [pF/m]

Specifications by Frequency

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

Plenum 4.3-10 Male to 7/16 DIN Male Low PIM Cable Using SPP-500-LLPL Coax

PE3W21263

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	450	500	1000	3000	MHz	
PE3W21263	Custom Lengths Available	Insertion Loss (Typ.)	0.022	0.023	0.034	0.063	dB/ft	
			0.08	0.08	0.12	0.21	dB/m	
PE3W21263-24	24 In	Insertion Loss (Typ.)	0.22	0.22	0.27	0.4	dB	0.7
PE3W21263-48	48 In	Insertion Loss (Typ.)	0.26	0.27	0.34	0.53	dB	1.012
PE3W21263-60	60 In	Insertion Loss (Typ.)	0.28	0.29	0.37	0.59	dB	1.168
PE3W21263-150CM	150 CM	Insertion Loss (Typ.)	0.28	0.29	0.37	0.59	dB	1.156
PE3W21263-200CM	200 CM	Insertion Loss (Typ.)	0.32	0.33	0.43	0.69	dB	1.412

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1*SQRT(FGHz)	dB
Loss due to Connector 2:	0.1	dB
Base Weight:	0.544	pounds
Additional Weight per Inch:	0.013	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.088 lbs [39.92 g]

Cable

Cable Type	SPP-500-LLPL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor 1 Material and Plating	Copper
Jacket Material	FEP, Blue
Jacket Diameter	0.5 in [12.7 mm]
One Time Minimum Bend Radius	1.5 in [38.1 mm]

Plenum 4.3-10 Male to 7/16 DIN Male Low PIM Cable Using SPP-500-LLPL Coax

PE3W21263

Connectors

Description	Connector 1	Connector 2
Type	4.3-10 Male	7/16 DIN Male
Specification		IEC 61169-4
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Spring Copper, Silver
Contact Plating Specification	200 µin minimum	5 µm minimum
Dielectric Type	PTFE	TPX
Outer Conductor Material and Plating		Brass, Nickel
Outer Conductor Plating Specification		5 µm minimum
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	80 µin minimum	2 µm minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Nickel
Coupling Nut Plating Specification	80 µin minimum	5 µm minimum
Hex Size		32 mm
Torque		18.417 ft-lbs 24.97 Nm

Environmental Specifications

Operating Range Temperature	-40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

Plenum 4.3-10 Male to 7/16 DIN Male Low PIM Cable Using SPP-500-LLPL Coax

PE3W21263

Typical Performance Data

How to Order

Part Number Configuration: **PE3W21263 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W21263 — Base Number

Example: PE3W21263-12 = 12 inches long cable
PE3W21263-100cm = 100 cm long cable

Plenum 4.3-10 Male to 7/16 DIN Male Low PIM Cable Using SPP-500-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: Plenum 4.3-10 Male to 7/16 DIN Male Low PIM Cable Using SPP-500-LLPL Coax PE3W21263

URL: https://www.pasternack.com/plenum-4.3-10-male-to-7-16-din-male-low-pim-cable-using-spp-500-llpl-pe3w21263-p.aspx

PE3W21263 CAD Drawing

Plenum 4.3-10 Male to 7/16 DIN Male Low PIM Cable Using SPP-500-LLPL Coax