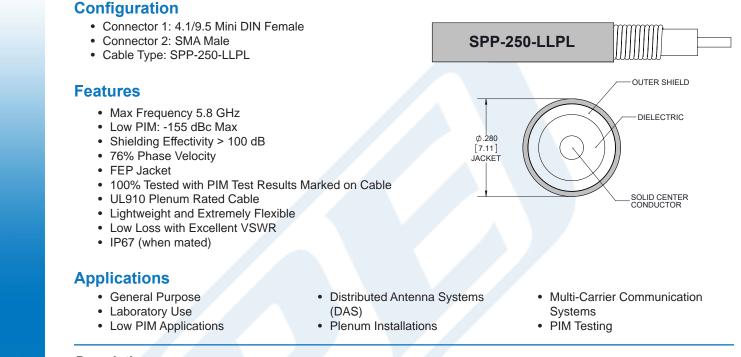




RF Cable Assemblies Technical Data Sheet

PE3C5845-12



Description

Pasternack's PE3C5845-12 4.1/9.5 Mini DIN female to SMA male 12 inch 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 4.1/9.5 Mini DIN to SMA cable assembly has a female to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. The PE3C5845-12 4.1/9.5 Mini DIN female to SMA male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -155 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Plenum 4.1/9.5 Mini DIN Female to SMA Male Low PIM Cable 12 Inch Length Using SPP-250-LLPL Coax, LF Solder PE3C5845-12

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com





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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			-155	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]		Ohms/1000ft [Ohms/
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.)	0.1	0.12	0.14	0.23	0.35	dB

Electrical Specification Notes:

The insertion loss data above is based on the performance specifications of the coax cable used in this assembly. The insertion loss includes an estimated insertion loss of 0.04*SQRT(FGHz) dB maximum per connector.

Mechanical Specifications

Cable Assembly Length*	12 in [304.8 mm]
Longui	12 11 [004.0 1111]
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 Material and Plating	Copper
Jacket Material	FEP, Blue
Jacket Diameter	0.28 in [7.11 mm]
One Time Minimum Bend Radius	1.25 in [31.75 mm]

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Bending	g Moment

0.8 lbs-ft [1.08 N-m]

Connectors

Description	Connector 1	Connector 2 SMA Male	
Туре	4.1/9.5 Mini DIN Female		
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Phosphor Bronze, Silver	Brass, Gold	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating	Brass, Tri-Metal		
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	
Coupling Nut Material and Plating		Brass, Tri-Metal	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8$ ", whichever is greater.

Environmental Specifications

Temperature Operating Range

-55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

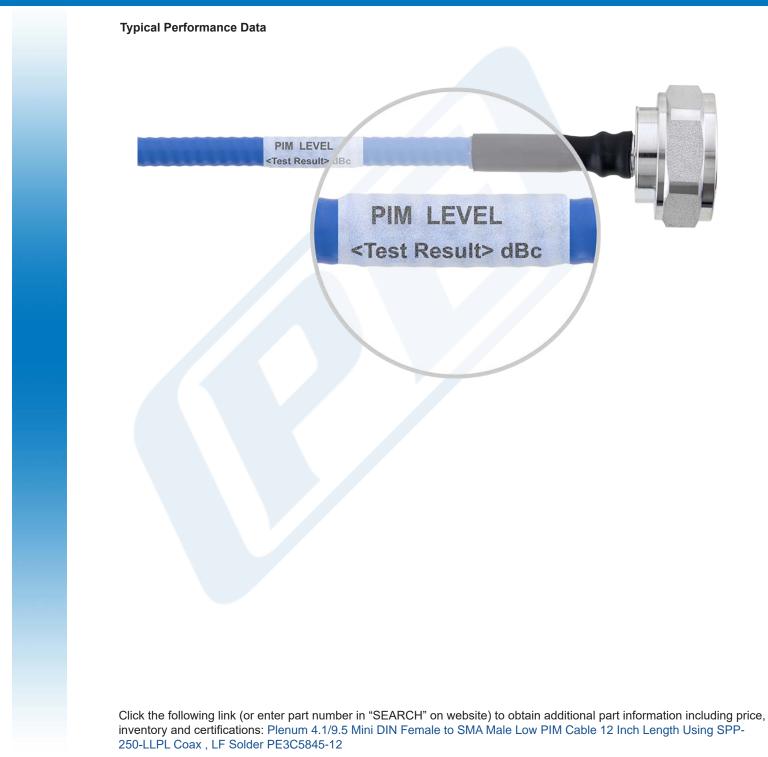
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RF Cable Assemblies Technical Data Sheet









RF Cable Assemblies Technical Data Sheet

PE3C5845-12

Part Number C	configuration:	PE3C5845	- xx uu	
	J			Unit of Measure: cm = Centimeters <blank> = Inches Length Base Number</blank>
	2E3C5845-12 = 12 inches l 2E3C5845-100cm = 100 cn			
Pasternack Enterpr		ent for domestic and Interr	national orders. Our l	50-LLPL Coax , LF Solder fr RF, microwave and millimete ustry.
	ications: Plenum 4.1/9.5 M			eart information including prio
URL: https://www.p	asternack.com/4.1-9.5-min	ii-din-female-sma-male-s	op250llpl-cable-asse	mbly-pe3c5845-12-p.aspx
make modifications to th as required. Unless othe	e part and/or the documentation of rwise stated, all specifications are i	f the part, in order to implement i nominal. <u>Pasternack does not m</u>	mprovements. Pasternacl	described herein. It may be necess creserves the right to make such ch warranty regarding the suitability of th
described herein for any	particular purpose, and Pasternac	k does not assume any liability a	rising out of the use of any	part or documentation.

PE3C5845-12 CAD Drawing Plenum 4.1/9.5 Mini DIN Female to SMA Male Low PIM Cable 12 Inch Length Using SPP-250-LLPL Coax , LF Solder

