

Plenum Low PIM N Female to SMA Male Cable SPP-250-LLPL Coax Using Times Microwave Parts

The type N female to SMA male cable using SPP-250-LLPL coax, part number FMCA1885, from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA cable assembly has a female to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. Fairview Microwave's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. Our low PIM design offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The FMCA1885 type N female to SMA male cable assembly operates to 5.8 GHz. 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 RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

-							
Description	Min	Т	ур	Max	U	Inits	
Frequency Range	DC		5.8			GHz	
VSWR		1.4:1					
Velocity of Propagation		-	76			%	
RF Shielding	100					dB	
Passive Intermodulation		-165 -160		-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]		

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units		
Frequency	0.45	0.7	1	2.5	5.8	GHz		
Insertion Loss (Max	.) 0.038	0.048	0.057	0.094	0.148	dB/ft		
	0.12	0.16	0.19	0.31	0.49	dB/m		

Electrical Specification Notes:

PIM test results vary between cables

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the female connector and 0.15 dB for the male connector.

Mechanical Specifications

Cable Assembly Length*

0 in [0 mm]





Configuration:

- N Female
- TC-SPP250-NF-LP
- SMA Male
- TC-SPP250-SM-LP
- 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

Cable Diagram:

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com Fairview Microwave





Cable

SPP-250-LLPL						
50 Ohms						
Solid						
Copper						
PTFÉ						
1						
Helically Corrugated Copper Tube						
Copper						
0.25 in [6.35 mm]						
FEP, Blue						
0.28 in [7.11 mm]						
1.25 in [31.75 mm]						
0.8 lbs-ft [1.08 N-m]						

Connectors

Description	Connector 1	Connector 2		
Туре	N Female	SMA Male		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Phosphor Bronze, Sil	ver Brass, Silver		
Contact Plating Spec.	196 µin	196 µin		
Dielectric Type	PTFE	PTFE		
Outer Cond Material & Plat	ng Brass, Tri-Metal			
Outer Cond Plating Spec.	118 µin			
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal		
Body Plating Spec.	118 µin	118 µin		
Coupling Nut Material & Pla	iting	Brass, Tri-Metal		
Coupling Nut Plating Spec.		118 µin		
Torque	10 in-lbs 1.13 Nn	10 in-lbs 1.13 Nm		

Environmental Specifications

Temperature	
Operating Range	-55 to +200 deg C
Storage Range	-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.

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How to Order

Part Number Configuration:

FMCA1885 - xx



Example: FMCA1885-12 = 12 inches long cable FMCA1885-100 cm = 100 cm long cable

Plenum Low PIM N Female to SMA Male Cable SPP-250-LLPL Coax Using Times Microwave Parts from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Plenum Low PIM N Female to SMA Male Cable SPP-250-LLPL Coax Using Times Microwave Parts FMCA1885

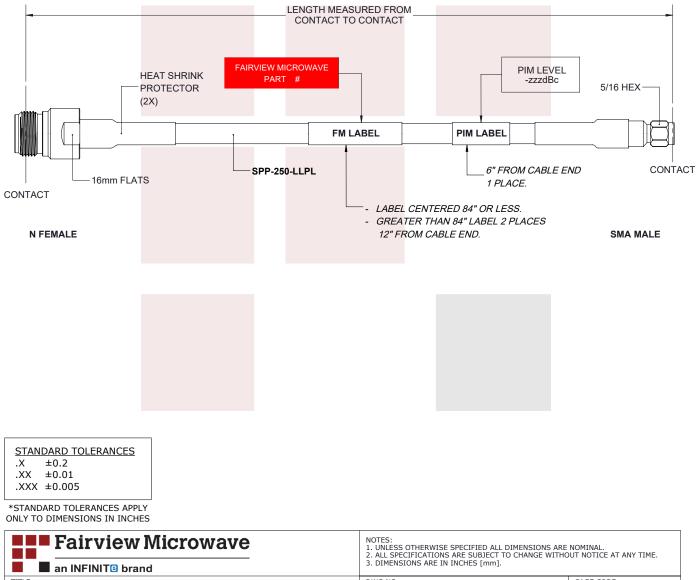
URL: https://www.fairviewmicrowave.com/low-pim-n-female-sma-male-cable-spp250llpl-coax-fmca1885-p.aspx

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TITLE	DWG NO FMCA1885						CAGE CODE 3FKR5		
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