



Low PIM N Female to N Male Plenum Cable SPP-250-LLPL Coax

FMCA1313

Configuration

Connector 1: N Female
Connector 2: N Male
Cable Type: SPP-250-LLPL
Coax Flex Type: Corrugated

Features

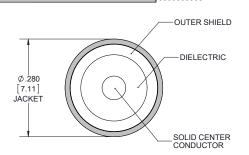
- Max Frequency 6 GHz
- · Low PIM: -160 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket
- Low PIM < -160 dBc
- IP67 (Mated)
- · Low Loss with Excellent VSWR
- · PIM Test Results Marked on Each Cable
- UL910 Plenum Rated Cable
- · Extremely Flexible and Lightweight

Applications

- · General Purpose
- · Laboratory Use
- · Low PIM Applications

- DAS
- · Mobile Networks
- · In-Building Wireless

SPP-250-LLPL



- · Small Cells
- · PIM Testing

Description

Low PIM N female to N male part number FMCA1313 from Fairview Microwave is in-stock and ships same day. This low PIM N female to N male plenum coax cable assembly offers low PIM performance to support Distributed Antenna Systems (DAS), in-building wireless and other emerging mobile communication networks. The SPP-250-LLPL coax cable carries a UL910 rating for plenum installations. Each low PIM N female to N male cable assembly is marked with its actual Passive Intermodulation (PIM) test result.

Fairview's FMCA1313 datasheet specifications and outline drawing are shown below in this PDF. Our extensive offering of low PIM cable assemblies, low-PIM adapters and other RF products support multi-carrier system prototype, cable installations and PIM testing applications.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Velocity of Propagation		76		%
RF Shielding	100			dB
Passive Intermodulation		-165	-160	dBc
IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz				
Capacitance		26.7 [87.6]		pF/ft [pF/m]



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Operating Voltage (AC)			750	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.04	0.05	0.08	0.12	0.15	dB/ft
	0.13	0.16	0.26	0.39	0.49	dB/m
VSWR (Max.)	1.25:1	1.25:1	1.25:1	1.35:1	1.35:1	
Power Handling (Max.)	850	507	460	370	250	Watts

Electrical Specification Notes:

Values at 25°C, sea level

PIM test results vary between cables

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.4dB of connector loss.

Mechanical Specifications

Cable Assembly

Length 0 in [0 mm] Width/Diameter .28 in [7.11 mm] Weight 0.2016 lbs [91.44 g]

Cable

Cable Type SPP-250-LLPL Inner Conductor Type Solid

Inner Conductor Material and Plating Copper, Bare

Dielectric Type **PTFE** Number of Shields Shield Layer 1

Annular Corrugated Copper Tube **Outer Conductor Diameter** 0.25 in [6.35 mm]

FEP Jacket Material

0.28 in [7.11 mm] Jacket Diameter One Time Minimum Bend Radius 1.5 in [38.1 mm]



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Connectors

Description	Connector 1	Connector 2	
Туре	N Female	N Male	
Impedance	50 Ohms	50 Ohms	
Configuration	Straight	Straight	
Contact Material and Plating	Beryllium Copper, Silver	Brass, Silver	
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	
Seal Gasket Material	Silicone Rubber	Silicone Rubber	

Environmental Specifications

Operating Range Temperature Plenum Rating

-55 to +125 deg C

UL910

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.





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Typical Performance Data





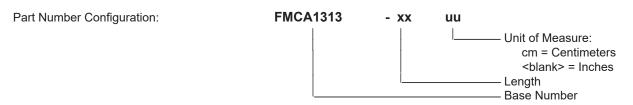


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How to Order



Example: FMCA1313-12 = 12 inches long cable FMCA1313-100cm = 100 cm long cable

Low PIM N Female to N Male Plenum Cable SPP-250-LLPL Coax from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: Low PIM N Female to N Male Plenum Cable SPP-250-LLPL Coax FMCA1313

URL: https://www.fairviewmicrowave.com/low-pim-n-female-n-male-cable-spp250llpl-coax-fmca1313-p.aspx

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