

Low PIM N Male to 7/16 DIN Male Plenum Cable SPP-250-LLPL Coax in 36 Inch

FMCA1307-36

Configuration

Connector 1: N Male
Connector 2: 7/16 DIN Male
Cable Type: SPP-250-LLPL
Coax Flex Type: Corrugated

Features

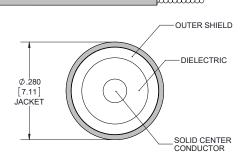
- Max Frequency 6 GHz
- · Low PIM: -160 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket
- Low PIM < -160 dBc
- IP67 (Mated)
- · Low Loss with Excellent VSWR
- · PIM Test Results Marked on Each Cable
- UL910 Plenum Rated Cable
- Extremely Flexible and Lightweight

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 male to 7/16 DIN male part number FMCA1307 from Fairview Microwave is in-stock and ships same day. This low PIM N male to 7/16 DIN 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 male to 7/16 DIN male cable assembly is marked with its actual Passive Intermodulation (PIM) test result.

Fairview's FMCA1307 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

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



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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.)	0.52	0.57	0.64	0.76	0.85	dB
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

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated loss of 0.4dB of connector loss.

Mechanical Specifications

Cable Assembly

Length 36 in [914.4 mm] Width/Diameter 0.28 in [7.11 mm] Weight 0.443 lbs [200.94 g]

Cable

Cable Type SPP-250-LLPL Inner Conductor Type Solid

Inner Conductor Material and Plating Copper, Bare PTFE

Dielectric Type Number of Shields

Shield Layer 1 Annular Corrugated Copper Tube **Outer Conductor Diameter** 0.25 in [6.35 mm]

Jacket Material **FEP** 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 Male	7/16 DIN Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, 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





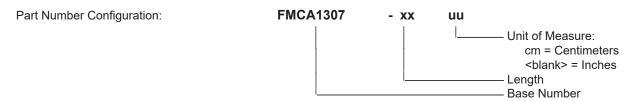


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How to Order



Example: FMCA1307-12 = 12 inches long cable FMCA1307-100cm = 100 cm long cable

Low PIM N Male to 7/16 DIN Male Plenum Cable SPP-250-LLPL Coax in 36 Inch 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 Male to 7/16 DIN Male Plenum Cable SPP-250-LLPL Coax in 36 Inch FMCA1307-36

URL: https://www.fairviewmicrowave.com/low-pim-n-male-7-16-din-male-cable-spp250llpl-coax-fmca1307-36-p.aspx

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