

# FMCA2572-60 DATA SHEET

# Plenum Low PIM 7/16 DIN Male to N Female Cable SPP-375-LLPL Coax Using Times Microwave Parts

The 7/16 DIN male to type N female 60 inch cable using SPP-375-LLPL coax, part number FMCA2572-60, from Fairview Microwave is in-stock and ships same day. This Fairview 7/16 DIN to type N cable assembly has a male to female gender configuration with 50 ohm corrugated SPP-375-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 FMCA2572-60 7/16 DIN male to type N female cable assembly operates to 5.8 GHz.

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	ι	Inits
Frequency Range	DC			5.8		GHz
VSWR				1.4:1		
Velocity of Propagation		7	76			%
RF Shielding	100					dB
Passive Intermodulation				-160		dBc
Capacitance		26.2 [85.96]		pF/ft [pF/m]		
Inductance		0.067 [0.22]		uH/ft [uH/m]		
DC Resistance Inner Conductor		1.3 [4.27]			$\Omega/1000$ ft [ $\Omega/$ Km]	

#### **Performance by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.2	0.29	0.4	0.65	1	dB

#### **Electrical Specification Notes:**

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1\*SQRT(FGHz) dB per connector.

## **Mechanical Specifications**

#### **Cable Assembly**

Length\* 60 in [152.4 cm] Weight 0.228 lbs [103.42 g]

#### Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating

SPP-375-LLPL 50 Ohms Solid

Copper Clad Aluminum



# **Configuration:**

- 7/16 DIN Male
- N Female
- SPP-375-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
- CMP Plenum Rated Installations
- Distributed Antenna Systems (DAS)
- Multi-Carrier Communication Systems
- PIM Testing

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Dielectric Type Number of Shields Outer Conductor Material and Plating

Jacket Material Jacket Diameter Microporous PTFE

Copper FEP, Blue

0.402 in [10.21 mm]

One Time Minimum Bend Radius 1.25 in [31.75 mm]
Bending Moment 1.7 lbs-ft [2.31 N-m]

#### **Connectors**

Description	Connector 1	Connector 2		
Туре	7/16 DIN Male	N Female		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Silver	Brass, Silver		
Contact Plating Spec.	200 µin	196 µin		
Dielectric Type	PTFE	PTFE		
Outer Cond Material & Plati	Brass, Tri-Metal			
Outer Cond Plating Spec.	118 µin			
Body Material & Plating				
Body Plating Spec.	100 µin			
Coupling Nut Material & Pla	ting Brass, Tri-Metal	Brass, Tri-Metal		
Coupling Nut Plating Spec.	100 µin	118 µin		
Torque		6 in-lbs 0.68 Nm		

## **Environmental Specifications**

**Temperature** 

Operating Range -40 to +125 deg C

**Compliance Certifications** (see product page for current document)

**Plotted and Other Data** 

Notes:

**How to Order** 

Part Number Configuration:

FMCA2572 - xx uu | cm = Centimeters | chlank> = Inches | Length

Example: FMCA2572-12 = 12 inches long cable

FMCA2572-100cm = 100 cm long cable

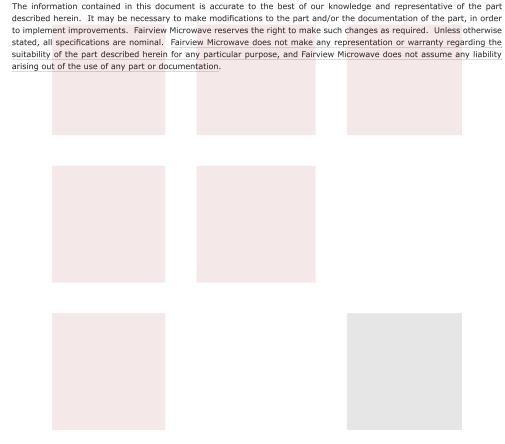




Plenum Low PIM 7/16 DIN Male to N Female Cable SPP-375-LLPL Coax Using Times Microwave Parts from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

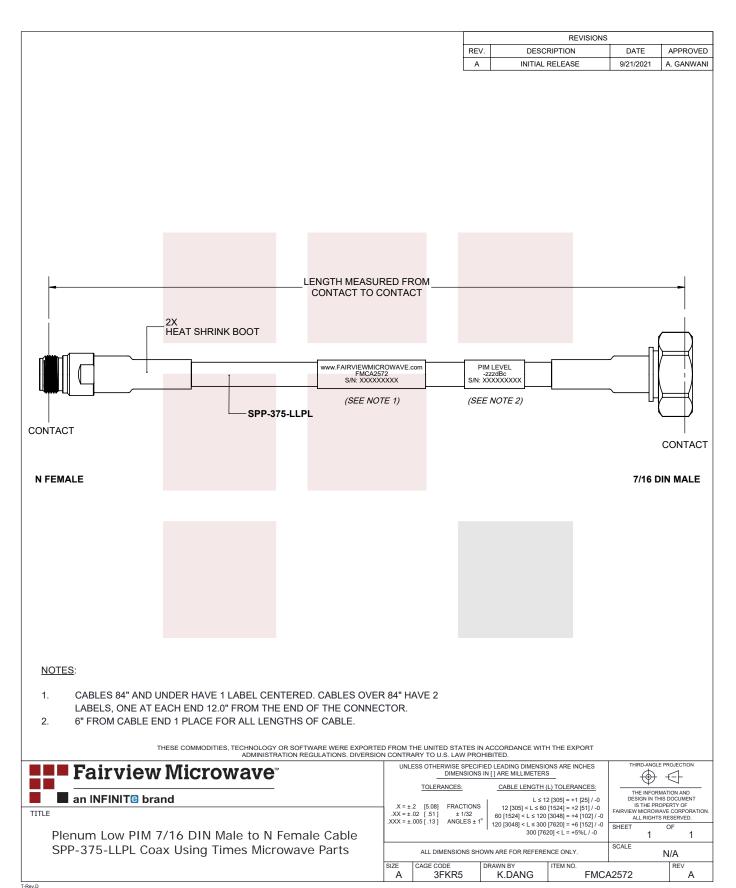
Click the following link to obtain additional part information: Plenum Low PIM 7/16 DIN Male to N Female Cable SPP-375-LLPL Coax Using Times Microwave Parts FMCA2572-60

URL: https://www.fairviewmicrowave.com/plenum-low-pim-7-16-din-male-to-n-female-cable-spp-375-llpl-coax-using-times-microwave-parts-fmca2572-60-p.aspx









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