

FMCA2570-12 DATA SHEET

Outdoor Rated Low PIM 7/16 DIN Female to N Female Cable SPO-375 Coax Using Times Microwave Parts

The 7/16 DIN female to type N female 12 inch cable using SPO-375 coax, part number FMCA2570-12, from Fairview Microwave is in-stock and ships same day. This Fairview 7/16 DIN to type N cable assembly has a female to female gender configuration with 50 ohm corrugated SPO-375 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 FMCA2570-12 7/16 DIN female to type N female cable assembly operates to 6 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	U	Inits
Frequency Range	DC			6		GHz
VSWR				1.4:1		
Velocity of Propagation		3	33			%
Passive Intermodulation				-160		dBc
Capacitance		24 [7	78.74]		pF/fl	t [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	4	6	GHz
Insertion Loss (Typ.)	0.18	0.25	0.39	0.49	0.61	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* 12 in [304.8 mm] Weight 0.3635 lbs [164.88 g]

Cable

Cable Type SPO-375
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Aluminum
Dielectric Type Foam PE

Number of Shields 1
Outer Conductor Material and Plating Copper



Configuration:

- 7/16 DIN Female
- N Female
- SPO-375

Features:

- Max Frequency 6 GHz
- Low PIM: -160 dBc Max
- 83% Phase Velocity
- PE Jacket
- 100% Tested with PIM Test Results Marked on 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
- Outdoor Rated Applications
- Distributed Antenna Systems (DAS)
- Multi-Carrier Communication Systems
- PIM Testing

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Jacket Material PE, Black

Jacket Diameter 0.43 in [10.92 mm]

One Time Minimum Bend Radius 1.75 in [44.45 mm]

Connectors

Description	Connector 1		nnector 1 Connector 2		
Туре	7/16 DIN Fer	7/16 DIN Female		е	
Impedance	50 Ohms	50 Ohms		S	
Mating Cycles	500	500			
Contact Material & Plating	Phosphor Bronze	Phosphor Bronze, Silver		/er	
Contact Plating Spec.	200 µin		196 µin		
Dielectric Type	PTFE		PTFE		
Outer Cond Material & Plat	ng		Brass, Tri-M	letal	
Outer Cond Plating Spec.			118 µin		
Body Material & Plating	Brass, Tri-Me	etal			
Body Plating Spec.	100 µin	100 μin			
Coupling Nut Material & Pla	ıting		Brass, Tri-M	letal	
Coupling Nut Plating Spec.				118 µin	
Torque			6 in-lbs 0.68	3 Nm	

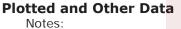
Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Compliance Certifications (see product page for current document)



How to Order

Part Number Configuration:

FMCA2570 - xx cm = Centimeters

dank> = Inches Length

Example: FMCA2570-12 = 12 inches long cable

FMCA2570-100cm = 100 cm long cable





Outdoor Rated Low PIM 7/16 DIN Female to N Female Cable SPO-375 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: Outdoor Rated Low PIM 7/16 DIN Female to N Female Cable SPO-375 Coax Using Times Microwave Parts FMCA2570-12

URL: https://www.fairviewmicrowave.com/outdoor-rated-low-pim-7-16-din-female-to-n-female-cable-spo-375-coax-us-ing-times-microwave-parts-fmca2570-12-p.aspx







