

FMCA2746-50CM DATA SHEET

N Male Right Angle to SMA Female Cable in 50 CM Length Using RG223 Coax

The RA type N male to SMA female cable using RG223 coax, part number FMCA2746-50CM, from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA cable assembly has a male to female gender configuration with 50 ohm flexible RG223 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA2746-50CM type N male to SMA female cable assembly operates to 1 GHz. The right angle type N interface on the RG223 cable allows for easier connections in tight spaces. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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 Мах	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		6	66	%
Capacitance		30.8 [101.05]	pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.34	0.37	0.41	0.45	0.52	dB/ft
	1.12	1.21	1.35	1.48	1.71	dB/m

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length* 19.68 in [499.87 mm] Weight 0.1589 lbs [72.08 g]

Cable

Cable Type RG223
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Dielectric Type PE



Configuration:

- N Male Right Angle
- SMA Female
- RG223

Features:

- Max Frequency 1 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications:

- General Purpose
- · Laboratory Use

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Number of Shields 2

Shield Layer 1 Silver Plated Copper Braid Silver Plated Copper Braid Silver Plated Copper Braid

Jacket Material PVC, Black

Jacket Diameter 0.209 in [5.31 mm]

Repeated Minimum Bend Radius 1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	N Male	SMA Female	
Specification	MIL-STD-348A	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Mating Cycles	500		
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold	
Contact Plating Spec.	30 µin minimum	50 µin minimum	
Dielectric Type	PTFE	PTFE	
Body Material & Plating	Brass, Nickel	Brass, Nickel	
Body Plating Spec.	100 µin minimum	100 µin minimum	
Coupling Nut Material & Pla	ating Brass, Nickel		

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

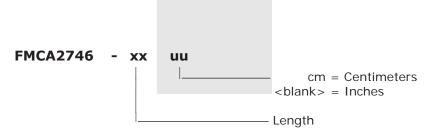
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMCA2746-12 = 12 inches long cable

FMCA2746-100cm = 100 cm long cable





N Male Right Angle to SMA Female Cable in 50 CM Length Using RG223 Coax 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.

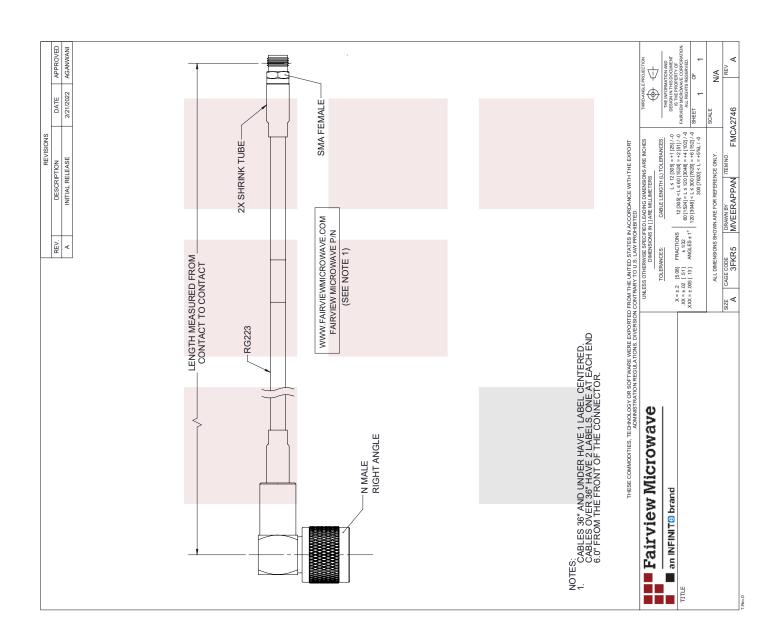
Click the following link to obtain additional part information: N Male Right Angle to SMA Female Cable in 50 CM Length Using RG223 Coax FMCA2746-50CM

URL: https://www.fairviewmicrowave.com/ra-n-male-to-sma-female-cable-rg223-coax-in-50-cm-fmca2746-50cm-p.aspx









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