

SMP Plug Right Angle to SMB Plug using RG316 Coax Cable in 24 Inches

The RA SMP plug to SMB plug 24 inch cable using RG316, part number FMCA9862-24, from Fairview Microwave is in-stock and ships same day. This Fairview SMP to SMB cable assembly has a plug to plug gender configuration with 50 ohm. The FMCA9862-24 SMP plug to SMB plug cable assembly operates to 3 GHz. The right angle SMP interface on the cable allows for easier connections in tight spaces.

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	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.56	0.7	0.9	1.1	1.86	dB

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector

Mechanical Specifications

Cable Assembly

Length*	24 in [609.6 mm]
Weight	0.072 lbs [32.66 g]

Cable

Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE



Configuration:

- SMP Plug Right Angle
- SMB Plug
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Features:

- Max Frequency 3 GHz
- 69% Phase Velocity
- VSWR of 1.4:1

Applications:

- General Purpose
- Laboratory Use
- Military
- Aerospace
- Wireless Communications
- General Purpose Test

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Connectors

Description	Connector 1	Connector 2
Type	SMP Plug Threaded	SMB Plug Threaded
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold over Copper	Beryllium Copper, Gold over Copper
Body Material & Plating	Bronze, Copper-Tin-Zinc Alloy	Bronze, Copper-Tin-Zinc Alloy

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMCA9862 - xx uu

 cm = Centimeters
 <blank> = Inches

Length

 Example: FMCA9862-12 = 12 inches long cable
 FMCA9862-100cm = 100 cm long cable

SMP Plug Right Angle to SMB Plug using RG316 Coax Cable in 24 Inches 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: [SMP Plug Right Angle to SMB Plug using RG316 Coax Cable in 24 Inches FMCA9862-24](#)

URL: <https://www.fairviewmicrowave.com/non-magnetic-ra-smp-plug-to-smb-plug-cable-rg316-coax-in-24-inch-fm-ca9862-24-p.aspx>

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