

3.5mm Male to 3.5mm Female Cable Tinned Copper RG402 Type .141 Coax in 12 Inch

The 3.5mm male to 3.5mm female 12 inch cable using Tinned Copper RG402 type .141 coax, part number FMCA2876-12, from Fairview Microwave is in-stock and ships same day. This Fairview 3.5mm to 3.5mm cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR141CUTN-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA2876-12 3.5mm male to 3.5mm female cable assembly operates to 34 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	Typ	Max	Units
Frequency Range	DC		34	GHz
VSWR			1.5:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.32	0.36	0.45	0.62	0.9	dB

Electrical Specification Notes:
 Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 12 in [304.8 mm]
 Weight 0.055 lbs [24.95 g]

Cable

Cable Type FM-SR141CUTN-STR
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Tinned Copper
 Outer Conductor Diameter 0.141 in [3.58 mm]

One Time Minimum Bend Radius 1 in [25.4 mm]



Configuration:

- 3.5mm Male
- 3.5mm Female
- FM-SR141CUTN-STR

Features:

- Max Frequency 34 GHz

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	3.5mm Male	3.5mm Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Spec.	50 µin minimum	50 µin minimum
Dielectric Type	PCTFE	PCTFE
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Spec.	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material & Plating	Passivated Stainless Steel	
Coupling Nut Plating Spec.	SAE-AMS-2700	
Hex Size	5/16 inch	
Torque	8 in-lbs 0.9 Nm	

Environmental Specifications
Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA2876 - xx uu

 cm = Centimeters
 <blank> = Inches
 Length

 Example: FMCA2876-12 = 12 inches long cable
 FMCA2876-100cm = 100 cm long cable

3.5mm Male to 3.5mm Female Cable Tinned Copper RG402 Type .141 Coax in 12 Inch 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: [3.5mm Male to 3.5mm Female Cable Tinned Copper RG402 Type .141 Coax in 12 Inch FMCA2876-12](#)

URL: <https://www.fairviewmicrowave.com/3.5mm-male-to-3.5mm-female-cable-tinned-copper-rg402-type-.141-coax-fmca2876-12-p.aspx>

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