

Push-On 4.3-10 Male to RA Push-On 4.3-10 Male Cable Tinned Aluminum RG402 Type .141 Coax in 50 CM

The 4.3-10 male push-on to RA 4.3-10 male push-on 50 cm cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2846-50CM, from Fairview Microwave is in-stock and ships same day. This Fairview 4.3-10 to 4.3-10 cable assembly has a male to male gender configuration with 50 ohm semi-rigid FM-SR141ALTN-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 FMCA2846-50CM 4.3-10 male to 4.3-10 male cable assembly operates to 6 GHz. The right angle 4.3-10 interface on the FM-SR141ALTN-STR 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		6	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	0.52	0.61	0.82			dB

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 0.165 lbs [74.84 g]

Cable

Cable Type FM-SR141ALTN-STR
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Outer Conductor Material and Plating Tinned Aluminum



Configuration:

- Push-On 4.3-10 Male
- Push-On 4.3-10 Male Right Angle
- FM-SR141ALTN-STR

Features:

- Max Frequency 6 GHz
- 69.5% Phase Velocity
- 100 Mating Cycles

Applications:

- General Purpose
- Laboratory Use

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Repeated Minimum Bend Radius 0.15 in [3.81 mm]

Connectors

Description	Connector 1	Connector 2
Type	4.3-10 Male	4.3-10 Male
Impedance	50 Ohms	50 Ohms
Connection Method	Push-On	Push-On
Mating Cycles	100	100
Contact Material & Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications
Temperature

Operating Range -55 to +90 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA2846 - xx uu

cm = Centimeters

<blank> = Inches

Length

 Example: FMCA2846-12 = 12 inches long cable
 FMCA2846-100cm = 100 cm long cable

Push-On 4.3-10 Male to RA Push-On 4.3-10 Male Cable Tinned Aluminum RG402 Type .141 Coax in 50 CM 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: [Push-On 4.3-10 Male to RA Push-On 4.3-10 Male Cable Tinned Aluminum RG402 Type .141 Coax in 50 CM FMCA2846-50CM](#)

URL: <https://www.fairviewmicrowave.com/push-on-4.3-10-male-to-ra-push-on-4.3-10-male-cable-tinned-aluminum-rg402-type-.141-coax-fmca2846-50cm-p.aspx>

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