

MHV Male to MHV Male Cable RG-58 Coax



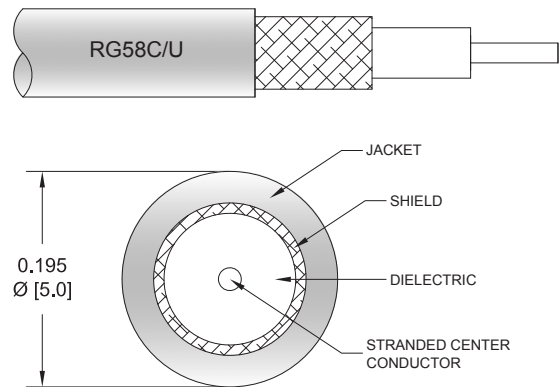
FMCA10015

Configuration

- Connector 1: MHV Male
- Connector 2: MHV Male
- Cable Type: RG58CU
- Coax Flex Type: Flexible

Features

- Max Frequency 300 MHz
- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

The MHV male to MHV male cable using RG-58 coax, part number FMCA10015, from Fairview Microwave is in-stock and ships same day. This Fairview MHV to MHV cable assembly has a male to male gender configuration with 50 ohm flexible RG58CU coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA10015 MHV male to MHV male cable assembly operates to 300 MHz.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	50	100	250	300	
FMCA10015	Custom Lengths Available	Insertion Loss (Typ.)	0.02	0.04	0.07	0.08	dB/ft	
			0.07	0.14	0.23	0.27	dB/m	
FMCA10015-12	12 Inch	Insertion Loss (Typ.)	0.22	0.24	0.27	0.28	dB	0.102
FMCA10015-24	24 Inch	Insertion Loss (Typ.)	0.24	0.28	0.34	0.36	dB	0.126
FMCA10015-36	36 Inch	Insertion Loss (Typ.)	0.26	0.32	0.41	0.44	dB	0.15
FMCA10015-48	48 Inch	Insertion Loss (Typ.)	0.28	0.36	0.48	0.52	dB	0.174
FMCA10015-200CM	200 cm	Insertion Loss (Typ.)	0.34	0.47	0.66	0.73	dB	0.478

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB
 Loss due to Connector 2: 0.1 dB
 Base Weight: 0.102 pounds
 Additional Weight per Inch: 0.002 pounds

Mechanical Specifications

Cable Assembly

Weight 0.102 lbs [46.27 g]

Cable

Cable Type RG58CU
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper, Tin
 Dielectric Type PE
 Number of Shields 1
 Shield Layer 1 Tinned Copper Braid
 Jacket Material PVC, Black
 Jacket Diameter 0.195 in [4.95 mm]

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Connectors

Description	Connector 1	Connector 2
Type	MHV Male	MHV Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum

Environmental Specifications

Operating Range Temperature -40 to +80 deg C

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

Plotted and Other Data

Notes:

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FMCA10015

Typical Performance Data

How to Order

Part Number Configuration:

FMCA10015

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: FMCA10015-12 = 12 inches long cable
FMCA10015-100cm = 100 cm long cable

MHV Male to MHV Male Cable RG-58 Coax from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [MHV Male to MHV Male Cable RG-58 Coax FMCA10015](#)

URL: <https://www.fairviewmicrowave.com/mhv-male-to-mhv-male-cable-rg-58-coax-fmca10015-p.aspx>

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FMCA10015 CAD Drawing

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