

Low Loss UHF Male to Straight Cut Lead Cable LMR-400 Coax with Times Microwave Components

FMCA10055



Configuration

- Connector 1: UHF Male
- Connector 2: Straight Cut Lead
- Cable Type: LMR-400
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket

Applications

- General Purpose
- Laboratory Use

Description

The 50 ohm UHF male to straight cut lead cable using LMR-400 coax, part number FMCA10055, from Fairview Microwave is in-stock and ships same day. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB.

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
Velocity of Propagation		85		%
RF Shielding	90			dB
Group Delay		1.2 [3.94]		ns/ft [ns/m]
Capacitance		23.9 [78.41]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ohms/1000ft [Ohms/Km]
Jacket Spark			8,000	Vrms

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.075 lbs [34.02 g]

Low Loss UHF Male to Straight Cut Lead Cable
LMR-400 Coax with Times Microwave Components



FMCA10055

Cable

Cable Type	LMR-400
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.405 in [10.29 mm]
One Time Minimum Bend Radius	1 in [25.4 mm]
Repeated Minimum Bend Radius	4 in [101.6 mm]
Bending Moment	0.5 lbs-ft [0.68 N-m]
Flat Plate Crush	40 lbs/in [0.71 Kg/mm]
Tensile Strength	160 lbs [72.57 Kg]

Connectors

Description	Connector 1	Connector 2
Type	UHF Male	Straight Cut Lead
Impedance	50 Ohms	0 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Phosphor Bronze, Silver	
Contact Plating Specification	200 µin minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Tin/Nickel	
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Tin/Nickel	
Coupling Nut Plating Specification	100 µin minimum	

Environmental Specifications

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

Plotted and Other Data

Notes:

Low Loss UHF Male to Straight Cut Lead Cable
LMR-400 Coax with Times Microwave Components

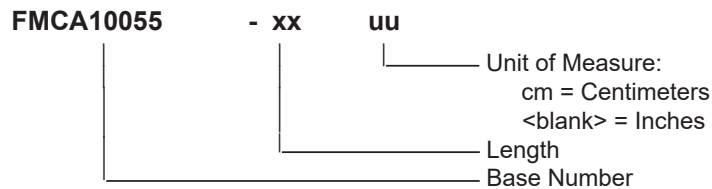


FMCA10055

Typical Performance Data

How to Order

Part Number Configuration:



Example: FMCA10055-12 = 12 inches long cable
FMCA10055-100cm = 100 cm long cable

Low Loss UHF Male to Straight Cut Lead Cable LMR-400 Coax with Times Microwave Components 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: [Low Loss UHF Male to Straight Cut Lead Cable LMR-400 Coax with Times Microwave Components FMCA10055](#)

URL: <https://www.fairviewmicrowave.com/low-loss-uhf-male-to-straight-cut-lead-cable-lmr-400-coax-with-times-microwave-components-fmca10055-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMCA10055 CAD Drawing

Low Loss UHF Male to Straight Cut Lead Cable LMR-400 Coax with Times Microwave Components

