

75 Ohm N Male to 75 Ohm F Male Cable 75 Ohm Armored Test Coax

The 75 ohm type N male to 75 ohm type F male cable using 75 ohm armored test coax, part number FMCA1031, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type F cable assembly has a male to male gender configuration with 75 ohm flexible armored test coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA1031 type N male to type F male cable assembly operates to 3 GHz. FMCA1031 is a general purpose 75 Ohm Flexible Armored Test Cable exhibits excellent insertion loss and return loss values with operation up to 3 GHz. These test cables are suitable for engineering labs, production environments and quality testing facilities. The FMCA1031 test cable is a good choice for use with 75 Ohm S-parameter test systems and these cables meet ANSI/SCTE 99 2009 pull force and ANSI/SCTE 98 2009 tightening torque standards.

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			1.16:1	
Inductance		75 [246.06]		uH/ft [uH/m]
Dielectric Withstanding Voltage (AC)			700	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	3			GHz
Insertion Loss (Typ.)	0.11	0.164	0.193			dB/ft
	0.36	0.54	0.63			dB/m
VSWR (Max.)	1.04:1	1.07:1	1.08:1			
Return Loss (Max.)	35	30	28			dB

Mechanical Specifications

Cable Assembly

Length*	0 in [0 mm]
Weight	0.319 lbs [144.7 g]

Cable

Cable Type	Armored Test
Impedance	75 Ohms
Inner Conductor Type	Bare Copper
Inner Conductor Material and Plating	Copper
Dielectric Type	Polyethylene
Shield Layer 1	Copper



Configuration:

- N Male
- F Male
- Armored Test

Features:

- Max Frequency 3 GHz
- PVC Jacket
- 3GHz
- Low insertion loss
- Excellent return loss
- ANSI/SCTE 99 2009 40 lbs. Min. Pull Force
- ANSI/SCTE 98 2009 60 in./lbs. min. tightening torque
- Specially designed for 75 Ohm communication systems.
- Custom lengths available upon request.

Applications:

- General Purpose
- Laboratory Use
- Test & measurement
- Lab Equipment Accessories
- General Purpose Test and Evaluation
- Engineering Test and Evaluation

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Jacket Material	PVC, Black
Jacket Diameter	0.3 in [7.62 mm]
Typical Flex Cycles	100,000
Tensile Strength	40 lbs [18.14 Kg]

Connectors

Description	Connector 1	Connector 2
Type	N Male	F Male
Impedance	75 Ohms	75 Ohms
Contact Material & Plating	Copper, Gold	Beryllium Copper
Dielectric Type	PE	PE

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA1031 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

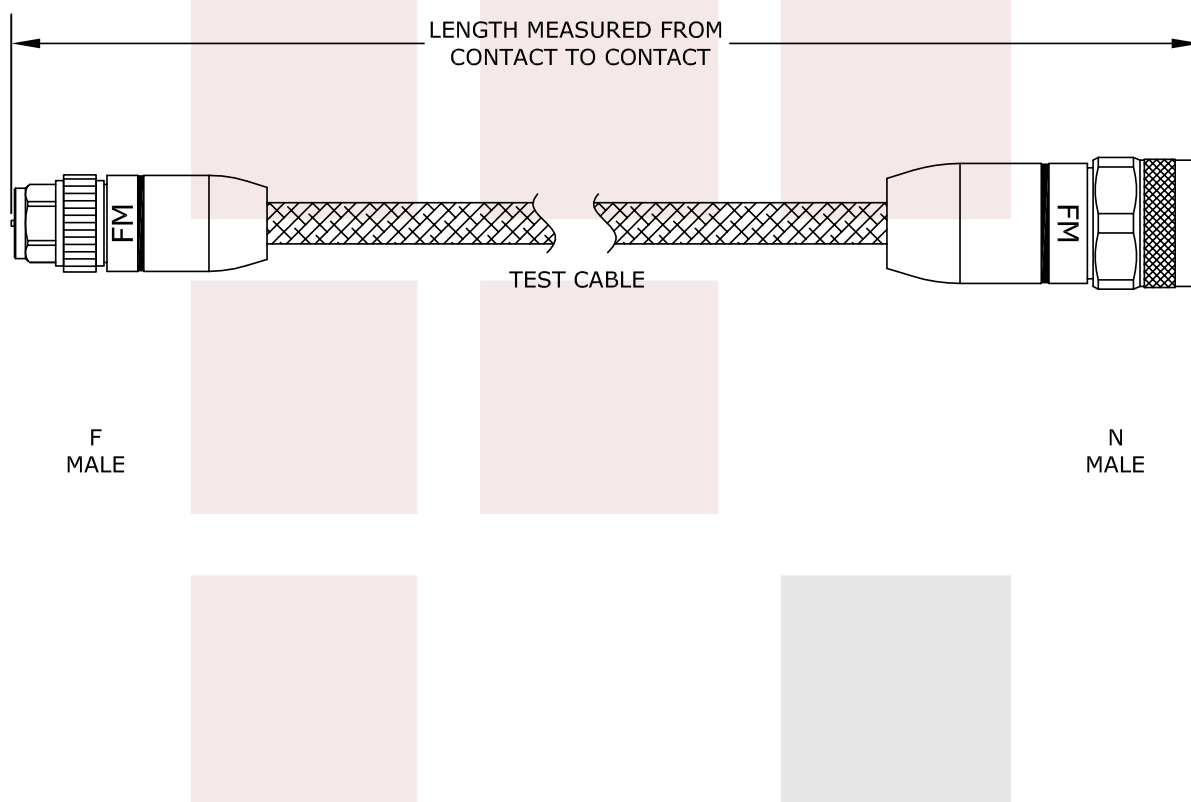
Example: FMCA1031-12 = 12 inches long cable
 FMCA1031-100cm = 100 cm long cable

75 Ohm N Male to 75 Ohm F Male Cable 75 Ohm Armored Test Coax 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: [75 Ohm N Male to 75 Ohm F Male Cable 75 Ohm Armored Test Coax FMCA1031](#)

URL: <https://www.fairviewmicrowave.com/n-male-f-male-cable-armored-test-coax-fmca1031-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.



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TITLE 75 Ohm N Male to 75 Ohm F Male Cable 75 Ohm Armored Test Coax	DWG NO FMCA1031		CAGE CODE 3FKR5		
	CAD FILE 031115	SHEET	SCALE N/A	SIZE A	150