

Rugged Portable Phase Stable RF Analyzer Cable N Male to N Female Cable FM-FT430 Coax and RoHS

Fairview Microwave's rugged, portable, phase-stable RF analyzer cables are designed for field use and provide critical connections when used with portable and handheld network analyzers, spectrum analyzers or base station analyzers. These low loss, phase stable cable assemblies remain flexible while the tough armor provides water resistance, UV resistance, torque resistance and crush resistance. These rugged portable phase stable cable assemblies are compatible with Site Master, Sitehawk®, CellAdvisor®, Fieldfox® and other portable rf test instruments.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.3:1	
Phase Stability with Flexure			2	Degrees
Amplitude Stability with Flexure			0.1	dB

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	9	12	18			GHz
Insertion Loss (Max.)	0.44	0.52	0.68			dB/ft
	1.44	1.71	2.23			dB/m
Power Handling (Max.)	150	114	85			dB/m
						W

Electrical Specification Notes:
 Values at 25°C, sea level.

Mechanical Specifications

Cable Assembly

Cable

Cable Type	FM-FT430
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	6
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Metalized Polyimide
Shield Layer 3	Silver Plated Copper Braid
Jacket Material	TPE
Jacket Diameter	0.43 in [10.92 mm]
One Time Minimum Bend Radius	1.5 in [38.1 mm]
Flat Plate Crush	1,200 lbs/in [21.43 Kg/mm]



Configuration:

- N Male
- N Female
- FM-FT430

Features:

- Rugged Armor for crush and torque protection
- Excellent VSWR and Insertion Loss
- Excellent Phase Stability with Flexure
- Excellent Insertion Loss Stability with Flexure
- Water and UV resistant jacket
- Test Data with every assembly
- In stock and ready to ship

Applications:

- Antenna Verification Testing
- Field Testing
- Handheld RF Network Analyzers
- Portable Base Station Analyzers
- Portable Spectrum Analyzers
- Distance-To-Fault Measurements
- Site Surveys

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating		Passivated Stainless Steel
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material & Plating	Passivated Stainless Steel	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.
 Fieldfox® is a registered trademark of Keysight Technologies
 CellAdvisor® is registered trademark Viavi Solutions
 SiteHawk® is a registered trademark of Bird Technologies

Environmental Specifications

Temperature

Operating Range -55 to +105 deg C

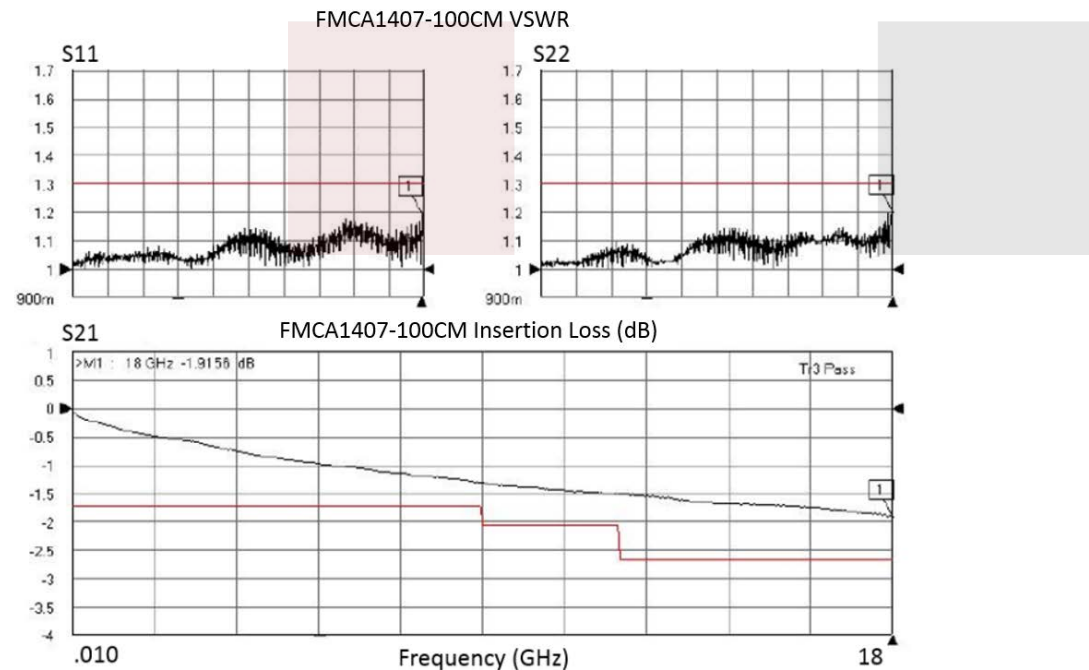
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

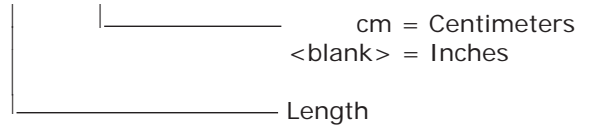
Typical Performance Data



How to Order

Part Number Configuration:

FMCA1407 - xx uu



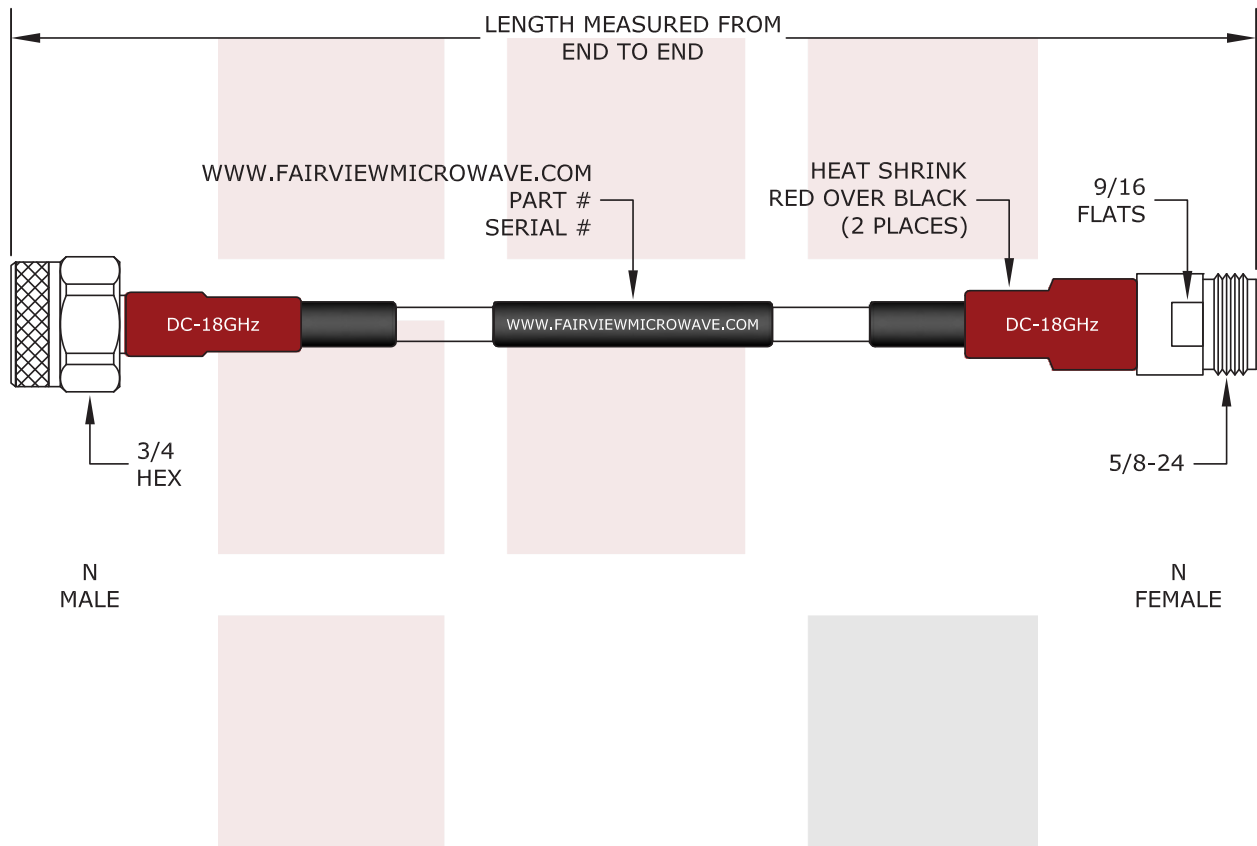
Example: FMCA1407-12 = 12 inches long cable
 FMCA1407-100cm = 100 cm long cable

Rugged Portable Phase Stable RF Analyzer Cable N Male to N Female Cable FM-FT430 Coax and RoHS from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Rugged Portable Phase Stable RF Analyzer Cable N Male to N Female Cable FM-FT430 Coax and RoHS FMCA1407](#)

URL: <https://www.fairviewmicrowave.com/n-male-n-female-cable-fm-ft430-coax-fmca1407-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 Rugged Portable Phase Stable RF Analyzer Cable N Male to N Female Cable FM-FT430 Coax and RoHS		DWG NO FMCA1407		CAGE CODE 3FKR5	
CAD FILE	041817	SHEET	SCALE	N/A	SIZE A 2233