

Broadband 75 Ohm F Male to 75 Ohm F Female Cable
75 Ohm FM-SF200LL75 Coax and RoHS Compliant

Fairview Microwave's test cables are constructed using our FM-SF200LL75 coax which is optimized for use up to 3 GHz with 75 Ohm F-Type connectors. This flexible coaxial cable has excellent low insertion loss along with a velocity propagation of 70%. The highly flexible cable also reduces the strain applied to your test components, making it easier to route the cables in your test setup or equipment rack. These 3 GHz test cables are available with Male and Female Type-F connectors and are available standard lengths from stock for same day shipment.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Dielectric Withstanding Voltage (AC)			500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	3			GHz
Insertion Loss (Max.)	1.16 [3.81]	1.19 [3.9]	1.23 [4.04]			dB/ft [dB/m]

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

Mechanical Specifications

Cable Assembly

Cable

Cable Type	FM-SF200LL75
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Bare
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP
Jacket Diameter	0.195 in [4.95 mm]

One Time Minimum Bend Radius 1 in [25.4 mm]



Configuration:

- F Male
- F Female
- FM-SF200LL75

Features:

- Precision 75 Ohm Type F connectors
- VSWR of 1.35:1 to 3 GHz
- 70% velocity of propagation (VoP)
- 100% VSWR tested and Hi-Pot tested to 500 volts
- Very flexible and durable
- Enhanced strain relief, heavy duty booting
- In-stock and same day shipment
- Precision Type F center conductor diameter 0.029"
- Broadband performance

Applications:

- Production testing
- RF development testing
- General lab testing
- Test rack applications

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Connectors

Description	Connector 1	Connector 2
Type	F Male	F Female
Polarity	Standard	Standard
Impedance	75 Ohms	75 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating		Passivated Stainless Steel
Coupling Nut Material & Plating	Passivated Stainless Steel	
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes:
 • Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMTC604 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

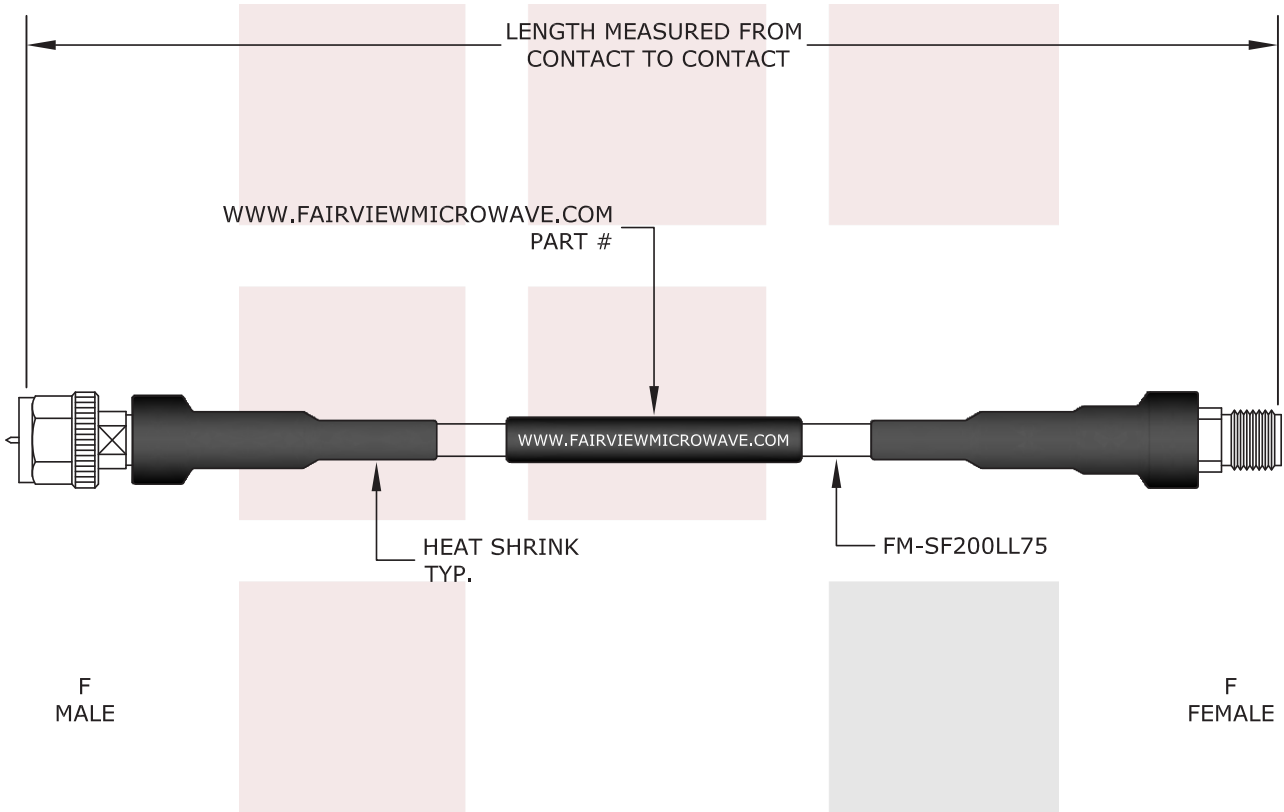
Example: FMTC604-12 = 12 inches long cable
 FMTC604-100cm = 100 cm long cable

Broadband 75 Ohm F Male to 75 Ohm F Female Cable 75 Ohm FM-SF200LL75 Coax and RoHS Compliant 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: [Broadband 75 Ohm F Male to 75 Ohm F Female Cable 75 Ohm FM-SF200LL75 Coax and RoHS Compliant FMTC604](http://www.fairviewmicrowave.com/broadband-f-male-f-female-cable-fm-sf200ll75-coax-fmtc604-p.aspx)

URL: <http://www.fairviewmicrowave.com/broadband-f-male-f-female-cable-fm-sf200ll75-coax-fmtc604-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 Broadband 75 Ohm F Male to 75 Ohm F Female Cable 75 Ohm FM-SF200LL75 Coax and RoHS Compliant		DWG NO FMTC604		CAGE CODE 3FKR5	
CAD FILE	022916	SHEET		SCALE	N/A
		SIZE	A		2233