

Broadband 75 Ohm N Male to 75 Ohm F Male 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 to 75 Ohm Type N 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 in Male and Female connectors with F Type to Type N combinations and are available in 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:

- N Male
- F Male
- FM-SF200LL75

Features:

- Precision 75 Ohm F Type to 75 Ohm Type N 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 F Type 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 | N Male | F Male |
| Polarity | Standard | Standard |
| Impedance | 75 Ohms | 75 Ohms |
| Contact Material & Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Dielectric Type | PTFE | PTFE |
| Coupling Nut Material & Plating | Passivated Stainless Steel | 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:

FMTC606 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

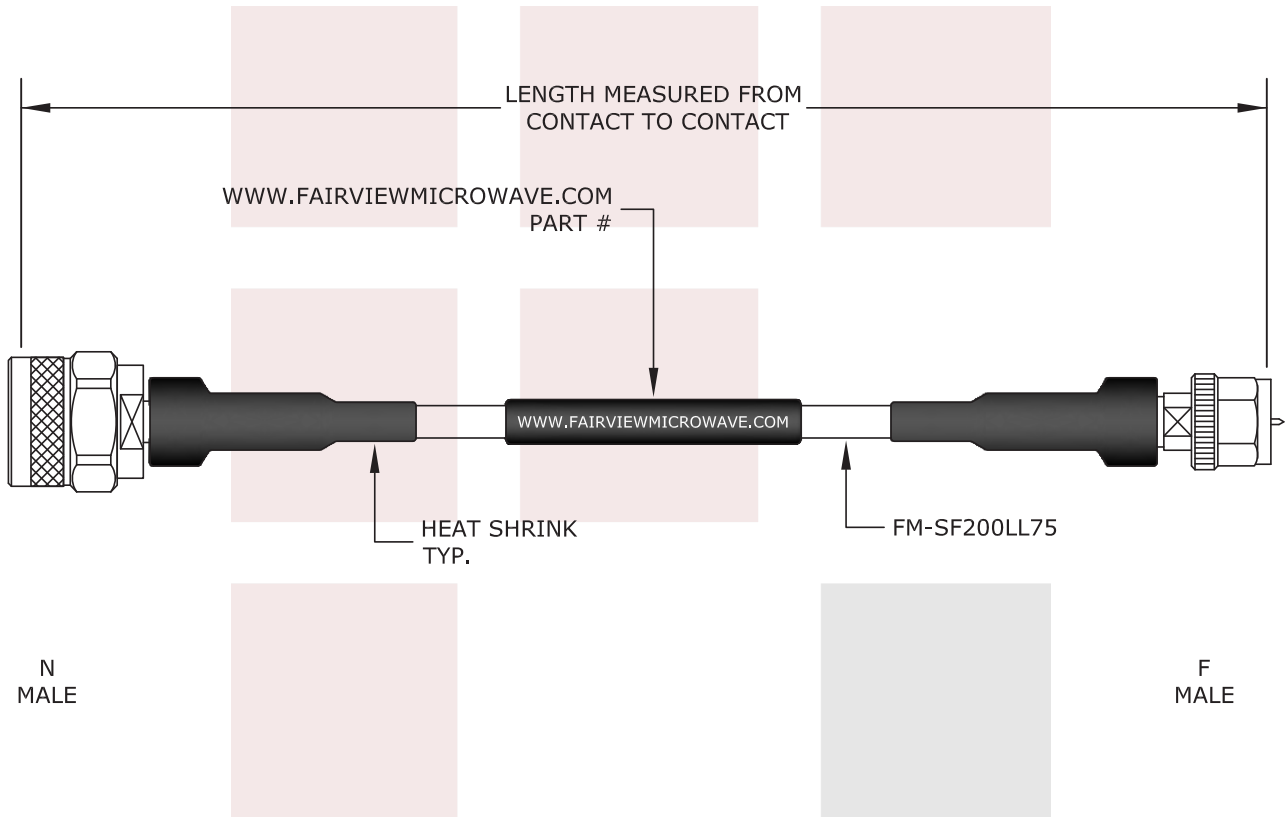
Example: FMTC606-12 = 12 inches long cable
 FMTC606-100cm = 100 cm long cable

Broadband 75 Ohm N Male to 75 Ohm F Male 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 N Male to 75 Ohm F Male Cable 75 Ohm FM-SF200LL75 Coax and RoHS Compliant FMTC606](http://www.fairviewmicrowave.com/broadband-75-ohm-n-male-to-75-ohm-f-male-cable-75-ohm-fm-sf200ll75-coax-and-rohs-compliant-fm606)

URL: <http://www.fairviewmicrowave.com/broadband-n-male-f-male-cable-fm-sf200ll75-coax-fm606-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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|--------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | | | |
| TITLE Broadband 75 Ohm N Male to 75 Ohm F Male Cable 75 Ohm FM-SF200LL75 Coax and RoHS Compliant | | DWG NO FMTC606 | | CAGE CODE 3FKR5 | |
| CAD FILE | 022916 | SHEET | | SCALE | N/A |
| | | | | SIZE | A |
| | | | | | 2233 |