

## SMA Male to SMA Male Cable LMR-240 Coax in 36 Inch

### Electrical Specifications

| Description                   | Min | Typ          | Max    | Units                            |
|-------------------------------|-----|--------------|--------|----------------------------------|
| Frequency Range               | DC  |              | 6      | GHz                              |
| VSWR                          |     |              | 1.35:1 |                                  |
| Velocity of Propagation       |     | 84           |        | %                                |
| RF Shielding                  | 90  |              |        | dB                               |
| Capacitance                   |     | 24.2 [79.4]  |        | pF/ft [pF/m]                     |
| Inductance                    |     | 0.06 [0.2]   |        | uH/ft [uH/m]                     |
| DC Resistance Inner Conductor |     | 3.2 [10.5]   |        | $\Omega$ /1000ft [ $\Omega$ /Km] |
| DC Resistance Outer Conductor |     | 3.89 [12.76] |        | $\Omega$ /1000ft [ $\Omega$ /Km] |

### Mechanical Specifications

#### Cable Assembly

|          |                     |
|----------|---------------------|
| Length   | 36 in [914.4 mm]    |
| Diameter | 0.375 in [9.53 mm]  |
| Weight   | 0.136 lbs [61.69 g] |

#### Cable

|                                      |                  |
|--------------------------------------|------------------|
| Cable Type                           | LMR-240          |
| Impedance                            | 50 Ohms          |
| Inner Conductor Type                 | Solid            |
| Inner Conductor Material and Plating | Copper           |
| Dielectric Type                      | PE (F)           |
| Number of Shields                    | 2                |
| Shield Layer 1                       | Tinned Copper    |
| Shield Layer 2                       | Aluminum Tape    |
| Jacket Material                      | PE, Black        |
| Jacket Diameter                      | 0.24 in [6.1 mm] |
| Repeated Minimum Bend Radius         | 36 in [914.4 mm] |

#### Connectors

| Description                     | Connector 1            | Connector 2            |
|---------------------------------|------------------------|------------------------|
| Type                            | SMA Male               | SMA Male               |
| Configuration                   | Straight               | Straight               |
| Polarity                        | Standard               | Standard               |
| Impedance                       | 50 Ohms                | 50 Ohms                |
| Contact Material & Plating      | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Dielectric Type                 | PTFE                   | PTFE                   |
| Coupling Nut Material & Plating | Brass, Tri-Metal       | Brass, Tri-Metal       |
| Hex Size                        | 5/16 inch              | 5/16 inch              |
| Body Material & Plating         | Brass, Tri-Metal       | Brass, Tri-Metal       |

### Environmental Specifications

#### Temperature

|                 |                  |
|-----------------|------------------|
| Operating Range | -40 to +85 deg C |
|-----------------|------------------|



### Configuration:

- SMA Male
- SMA Male
- LMR-240

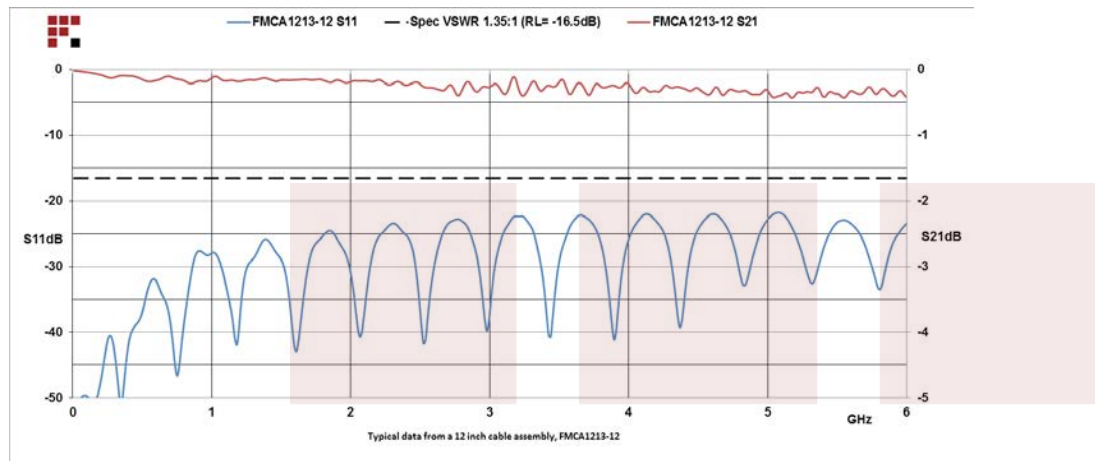
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**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

## Plotted and Other Data

Notes:

### Typical Performance Data



## How to Order

Part Number Configuration:

**FMCA1213 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

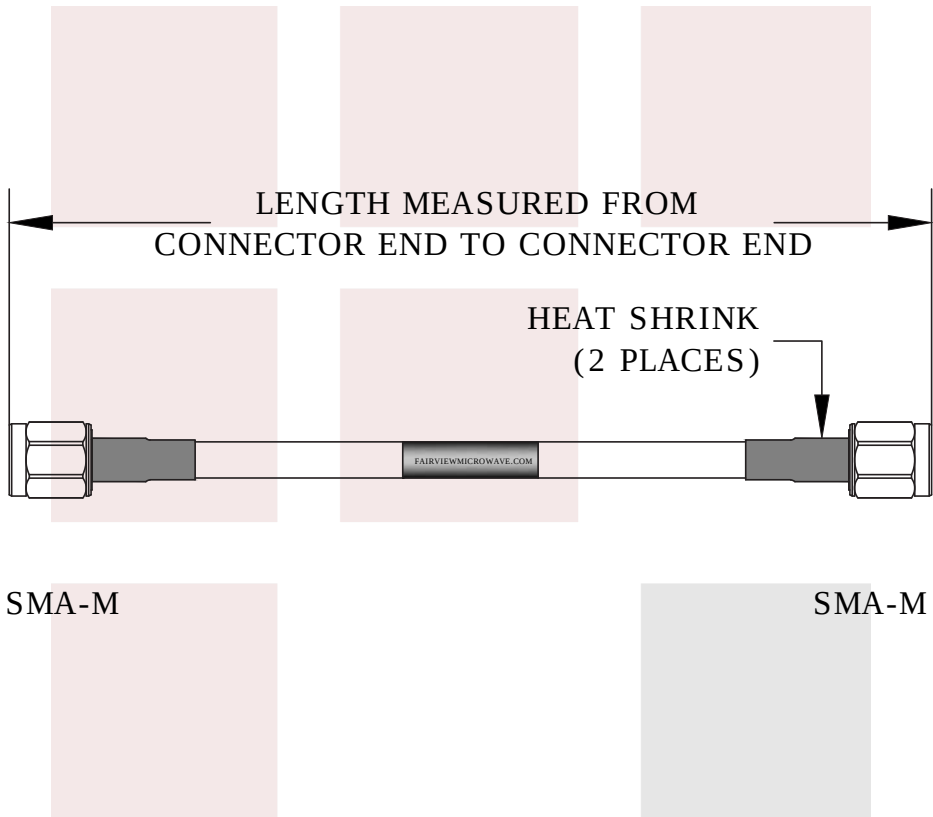
Example: FMCA1213-12 = 12 inches long cable  
FMCA1213-100cm = 100 cm long cable

SMA Male to SMA Male Cable LMR-240 Coax in 36 Inch 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: [SMA Male to SMA Male Cable LMR-240 Coax in 36 Inch FMCA1213-36](http://www.fairviewmicrowave.com/standard-sma-male-sma-male-cable-lmr240-coax-fmca1213-36-p.aspx)

URL: <http://www.fairviewmicrowave.com/standard-sma-male-sma-male-cable-lmr240-coax-fmca1213-36-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<br>SMA Male to SMA Male Cable LMR-240 Coax in 36 Inch          | DWG NO<br>FMCA1213 |                                                                                                                                                                                     | CAGE CODE<br>3FKR5 |        |      |
|                                                                      | CAD FILE 040416    | SHEET                                                                                                                                                                               | SCALE N/A          | SIZE A | 5568 |