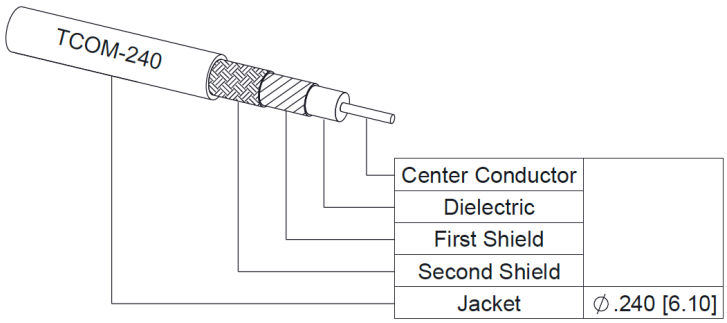
Low Loss SMA Male to SMA Male Cable
TCOM-240 Coax with Times Microwave Components

FMCA3271

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: TCOM-240
- Coax Flex Type: Flexible



Features

- Max Frequency 6 GHz
- Double Shielded
- PE Jacket
- 500 Mating Cycles

Applications

- General Purpose
- Laboratory Use

Description

The SMA male to SMA male cable using TCOM-240 coax, part number FMCA3271, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible TCOM-240 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3271 SMA male to SMA male cable assembly operates to 6 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.036	0.052	0.075	0.123	0.197	dB/ft
	0.12	0.17	0.25	0.4	0.65	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.25 dB per connector.

+1 (866) 839-4711 | sales@fairviewmicrowave.com | fairviewmicrowave.com

Low Loss SMA Male to SMA Male Cable
TCOM-240 Coax with Times Microwave Components

FMCA3271

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.07 lbs [31.75 g]

Cable

Cable Type	TCOM-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	Silver Plated Copper Braid
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.24 in [6.1 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	500
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM B488	ASTM B488
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

+1 (866) 839-4711 | sales@fairviewmicrowave.com | fairviewmicrowave.com

Low Loss SMA Male to SMA Male Cable
TCOM-240 Coax with Times Microwave Components

FMCA3271

Typical Performance Data

How to Order

Part Number Configuration: **FMCA3271 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- FMCA3271 — Base Number

Example: FMCA3271-12 = 12 inches long cable
FMCA3271-100cm = 100 cm long cable

Low Loss SMA Male to SMA Male Cable TCOM-240 Coax with Times Microwave Components from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: Low Loss SMA Male to SMA Male Cable TCOM-240 Coax with Times Microwave Components FMCA3271

URL: https://www.fairviewmicrowave.com/low-loss-sma-male-to-sma-male-cable-tcom-240-coax-with-times-microwave-components-fmca3271-p.aspx

FMCA3271 CAD Drawing

Low Loss SMA Male to SMA Male Cable TCOM-240 Coax with Times Microwave Components