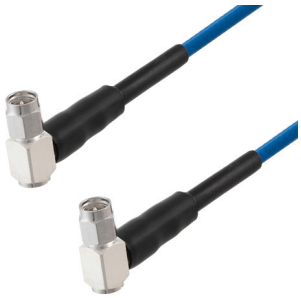
SMA Male Right Angle to SMA Male Right Angle Low PIM Cable Using TFT-402-LF Coax Using Times Microwave Components 1 Foot



LCCA31071-FT1

Configuration

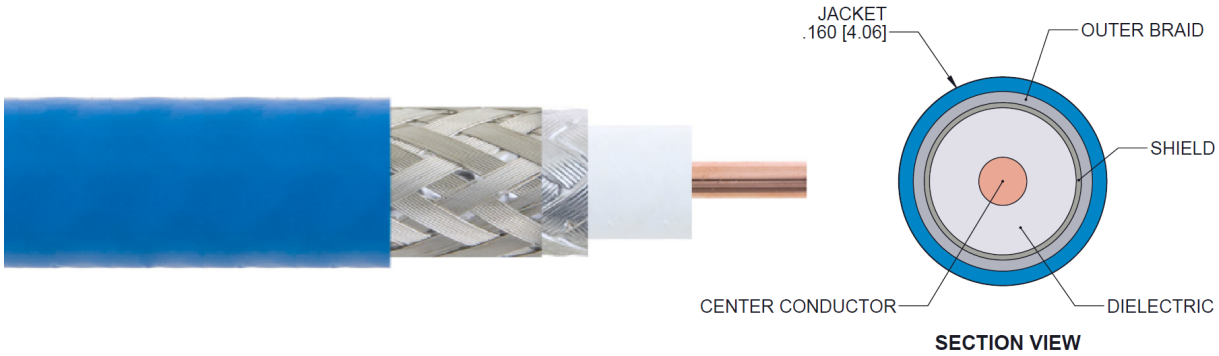
- Connector 1: SMA Male Right Angle
- Connector 2: SMA Male Right Angle
- Cable Type: TFT-5G-402

Features

- 100% Tested with PIM Test Results Marked on Cable
- Lightweight and Extremely Flexible
- Low Loss with Excellent VSWR
- IP67 (when mated)
- Using Times Microwave Components

Applications

- Distributed Antenna Systems (DAS)
- Plenum Installations
- Multi-Carrier Communication Systems
- PIM Testing



SECTION VIEW

Description

L-com's LCCA31071-FT1 is a SMA male right angle to SMA male right angle low PIM cable using TFT-402-LF coax using Times Microwave components 1 foot and ships same-day. The TFT-5G-402 coax of this SMA cable uses the PTFE dielectric with a VoP of 76%. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com SMA to SMA cable assembly has a male to male gender configuration with flexible TFT-5G-402 series coax and operates to 5.8 GHz. The double shield of this SMA cable is layered by over providing shielding effectiveness greater than 80dB. This right angle SMA cable interface on the TFT-5G-402 coax allows for easier connections in tight spaces. With passive intermodulation levels better than -160 dBc, our cable assembly design is ideal where low PIM is desired. Times Microwave cable is used in each assembly and TMS components are used to form connections with the super flexible low PIM cable. These cable assemblies are expertly built to satisfy your specific need with high quality Times Microwave Systems manufactured parts.

Custom versions of this SMA male to SMA male cable, along with the rest of L-com's other RF assemblies, can also be built and shipped same day. Other available RF cable assembly value added services from L-com include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly. Contact a sales representative for testing or custom RF cable quotes. Part number LCCA31071-FT1 L-com SMA Male Right Angle to SMA Male Right Angle Low PIM Cable Using TFT-402-LF Coax Using Times Microwave Components 1 Foot data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.

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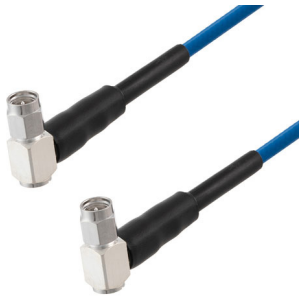

LCCA31071-FT1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	80			dB
Passive Intermodulation			-160	dBc
Capacitance		26.7 [87.6]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.34	0.38	0.41	0.48	0.59	dB

Electrical Specification Notes:

PIM test results vary between cables

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.15 dB per connector.

Mechanical Specifications

Cable Assembly

Length	12 in [304.8 mm]
Diameter	0.5 in [12.7 mm]
Weight	0.088 lbs [39.92 g]

Cable

Cable Type	TFT-5G-402
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PTFE
Number of Shields	2
Jacket Material	FEP, Blue
Jacket Diameter	0.16 in [4.06 mm]
One Time Minimum Bend Radius	0.75 in [19.05 mm]

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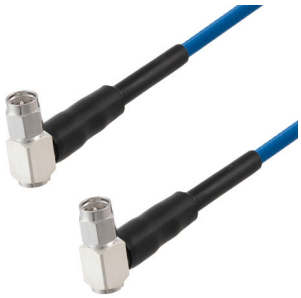

LCCA31071-FT1

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	SMA Male Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Silver	Brass, Silver
Contact Plating Specification	5 µm	5 µm
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Copper Clad Aluminum	Brass, Copper Clad Aluminum
Body Plating Specification	3 µm	3 µm
Coupling Nut Material and Plating	Brass, Copper Clad Aluminum	Brass, Copper Clad Aluminum
Coupling Nut Plating Specification	3 µm	3 µm
Torque	9.73 in-lbs 1.1 Nm	9.73 in-lbs 1.1 Nm

Environmental Specifications

Temperature

Operating Range -55 to +150 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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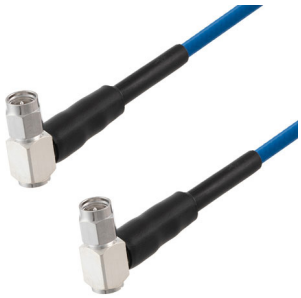

LCCA31071-FT1

How to Order

Part Number Configuration: **LCCA31071 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- LCCA31071 — Base Number

Example: LCCA31071-12 = 12 inches long cable
LCCA31071-100cm = 100 cm long cable

SMA Male Right Angle to SMA Male Right Angle Low PIM Cable Using TFT-402-LF Coax Using Times Microwave Components 1 Foot from L-com has same day shipment for domestic and International orders. L-com is a leading manufacturer of wired and wireless connectivity products and committed to in-stock availability and same day shipping. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

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L-com CAD Drawing