

Low PIM Flexible TFT-402-LF Coax Cable Double Shielded with Blue FEP Jacket, By The Foot



TFT-402-LF-LC

Configuration

- Low PIM Flexible Cable
- 2 Shield(s)

Features

- PIM < -160 dBc
- UL910 Plenum Rated Cable
- Lightweight and Extremely Flexible
- Low Loss
- Good Shielding >80 dB
- UV Resistant Jacket
- 76% Velocity of Propagation (VoP)

Applications

- Base Stations
- Distributed Antenna Systems (DAS)
- Small Cells
- Antenna Pigtails
- Plenum Installations
- Multi-Carrier Communication Systems

Description

TFT-402-LF-LC coax cable from L-com is one of several radio frequency coaxial cable types specifically stocked to be ready for quick shipment. Times Microwave TFT-402-LF-LC coax cable, available at L-com, is manufactured in a flexible design and has a 50 Ohm impedance. This low loss flexible coax cable TFT-402-LF-LC is constructed with a 0.16 inch diameter and BL FEP jacket. The FEP makes this cable type perfect for flexible CMP plenum rated applications.

TFT-402-LF-LC flexible 50 Ohm coax cable with FEP jacket is rated for a 5.8 GHz maximum operating frequency. This coaxial cable is built with a Copper outer conductor and RF shielding of 80 dB. L-com TFT-402-LF-LC coax is constructed with PTFE dielectric and a maximum operating temperature of 150 degrees C. Times Microwave TFT-402-LF-LC coax cable specs for this wire can be found on its RF coax cable TFT-402-LF-LC datasheet.

SPF-375-LC cable is part of more than one million RF and microwave parts in stock at L-com. This Times Microwave low loss SPF-375-LC coax cable is ready to buy and can be shipped worldwide. L-com also maintains a wide selection of other radio frequency coaxial cable products that ship same-day from our warehouse as with the rest of our other RF/microwave components.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Shielding Effectiveness	80			dB
Nominal Capacitance		26.7 [87.6]		pF/ft [pF/m]

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Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	1.9	2.3	4.9	5.8	GHz
Attenuation, Typ	7.9	16.4	18.2	27	29.5	dB/100ft
	25.92	53.81	59.71	88.58	96.78	dB/100m
Input Power (CW), Max	430	200	180	120	110	Watts

Mechanical Specifications

Diameter	0.16 in 4.06 mm
Weight	0.028 lbs/ft [0.04 kg/m]
Min. Bend Radius (Installation)	0.75 in [19.05 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper , 1 Strands Strand(s)	0.037in 0.94mm
Conductor Type	Solid	
Dielectric	PTFE	0.113in 2.87mm
First Shield	Tin	0.121 in 3.07 mm
Outer Conductor	Copper, Tin	0.16 in 4.06 mm
Jacket	FEP, Blue	0.16in 4.06mm

Environmental Specifications

Temperature Operating Range	-55deg C to +150deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Low PIM Flexible TFT-402-LF Coax Cable Double Shielded with Blue FEP Jacket, By The Foot from L-com has same day shipment for domestic and International orders. 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

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TFT-402-LF-LC

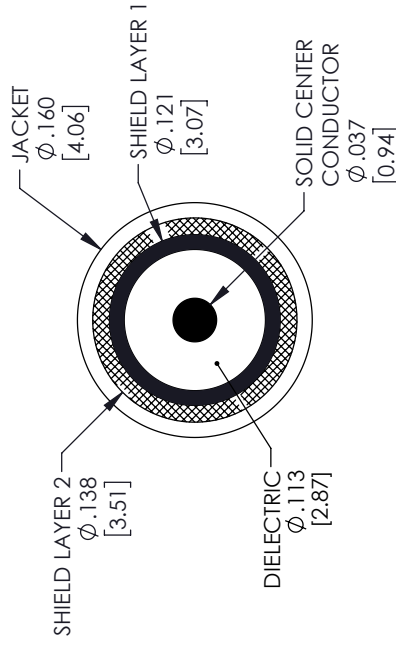
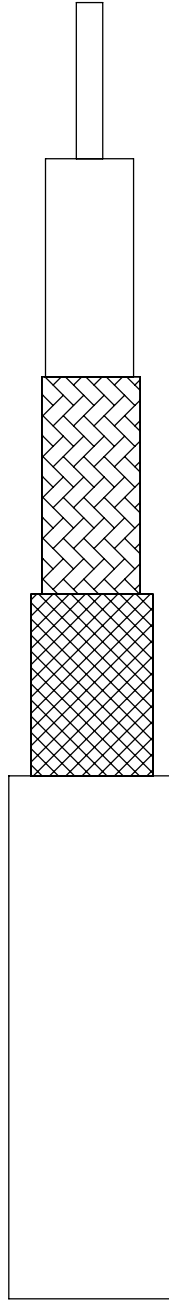
active components.

The information contained within 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 impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

Low PIM Flexible TFT-402-LF Coax Cable Double Shielded with Blue FEP Jacket, By The Foot

L-com CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/29/2021	SRAUTUS



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td>X = ± .2</td> <td>[.08]</td> <td>FRACTIONS</td> <td>± 1/32</td> </tr> <tr> <td>.XX = ± .02</td> <td>[.51]</td> <td>ANGLES ±</td> <td>1°</td> </tr> <tr> <td>.XXX = ± .005</td> <td>[.13]</td> <td>CABLE LENGTH (L)</td> <td>TOLERANCES:</td> </tr> <tr> <td></td> <td></td> <td>L ≤ 12 [305]</td> <td>± .125 [-0]</td> </tr> <tr> <td></td> <td></td> <td>12 [305] < L ≤ 60 [1524]</td> <td>± .25 [-0]</td> </tr> <tr> <td></td> <td></td> <td>60 [1524] < L ≤ 120 [3048]</td> <td>± .5 [-0]</td> </tr> <tr> <td></td> <td></td> <td>120 [3048] < L ≤ 300 [7620]</td> <td>± .75 [-0]</td> </tr> <tr> <td></td> <td></td> <td>300 [7620] < L</td> <td>± .9% [-0]</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	X = ± .2	[.08]	FRACTIONS	± 1/32	.XX = ± .02	[.51]	ANGLES ±	1°	.XXX = ± .005	[.13]	CABLE LENGTH (L)	TOLERANCES:			L ≤ 12 [305]	± .125 [-0]			12 [305] < L ≤ 60 [1524]	± .25 [-0]			60 [1524] < L ≤ 120 [3048]	± .5 [-0]			120 [3048] < L ≤ 300 [7620]	± .75 [-0]			300 [7620] < L	± .9% [-0]	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p>
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<p>L-com an INFINITE brand</p> <p>50 High Street, West Mill, 3rd Floor, Suite #30 North Andover, MA 01845 USA Phone: 1.800.341.5266 1.978.682.6936 Fax: 1.978.689.9484 Website: www.L-com.com E-mail: CustomerService@L-com.com</p>	<p>SCALE N/A</p>																																
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