

Low Loss Flexible LMR-400-LLPX Plenum Rated Coax Cable
Double Shielded with Red Fluoropolymer Jacket



LMR-400-LLPX-LC



Configuration

- Low Loss, Plenum Flexible Cable
- 2 Shield(s)

Features

- UL CMP Plenum Rated
- Low Density PTFE Dielectric
- Low Loss
- Shielding >90 dB
- 1 Inch One Time Bend Radius
- Lightweight and Extremely Flexible

Applications

- Indoor Plenum Installations
- Land Mobile Radio (LMR)
- In-Building Wireless Systems

Description

Low Loss Flexible LMR-400-LLPX-LC Plenum Rated Coax Cable Double Shielded with Red Fluoropolymer Jacket by Times Microwave is part of our full line of RF components available for same-day shipping. The LMR-400-LLPX-LC coaxial cable features a low loss low density PTFE dielectric, a solid copper clad aluminum center conductor, and a dual shield of a tinned copper braid over aluminum tape. These design features combine to make the Times Microwave LMR-400-LLPX-LC a flexible, low loss, and low PIM coax cable that is ideal for indoor plenum installations, land mobile radio (LMR), and in-building wireless systems. The red fluoropolymer jacket provides protection as well as resulting in a highly fire retardant cable.

Our datasheet specifications and drawing with dimensions for Times Microwave LMR-400-LLPX-LC coax cable are shown below in this PDF. Whether the need is to provide a low PIM, low loss indoor cable run or simply create a custom cable assembly configuration, Pasternack has the right LMR-400-LLPX-LC cable assembly for the job.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
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	50	150	220	450	900	MHz
Attenuation, Typ	0.9	1.6	1.9	2.8	4	dB/100ft
	2.95	5.25	6.23	9.19	13.12	dB/100m
Input Power (CW), Max	4.8	2.8	2.3	1.6	1.1	kWatts

Description	F6	F7	F8	F9	F10	Units
Frequency	1	1.5	2	2.5	5.8	GHz
Attenuation, Typ	4.2	5.2	6.1	6.8	10.7	dB/100ft
	13.78	17.06	20.01	22.31	35.1	dB/100m
Input Power (CW), Max	1,000	840	730	650	410	Watts

Mechanical Specifications

Diameter	0.37 in [9.4 mm]
Weight	0.1025 lbs/ft [0.15 Kg/m]
Min. Bend Radius (Repeated)	4 in [101.6 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum 1 Strand(s)	0.095in [2.41mm]
Conductor Type	Solid	
Dielectric	PTFE (LD)	0.285in [7.24mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	Fluoropolymer, Red	0.37in [9.4mm]

Environmental Specifications

Temperature Operating Range	-40°C to +125°C
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Compliance Certifications (see [product page](#) for current document)

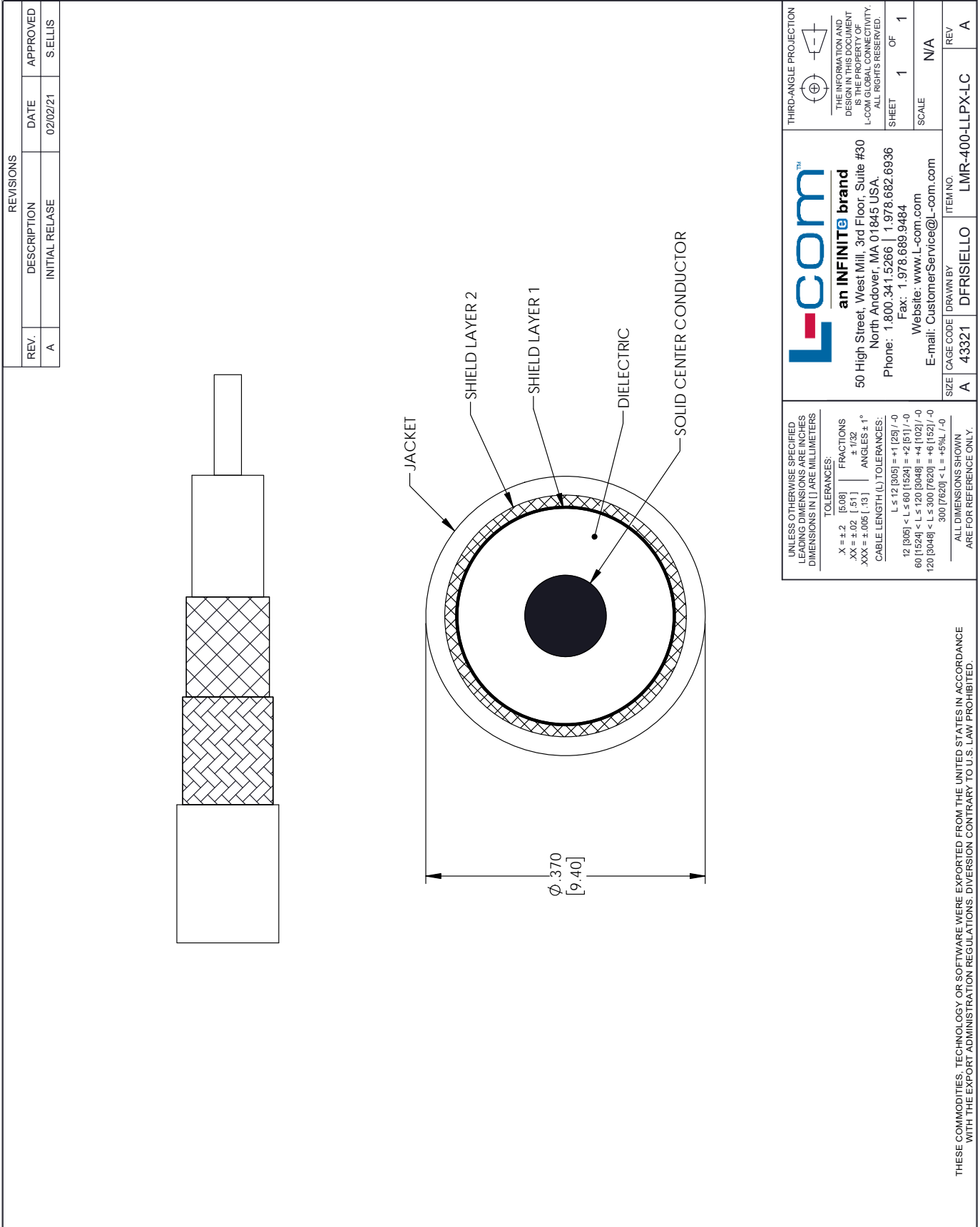
Plotted and Other Data

Low Loss Flexible LMR-400-LLPX Plenum Rated Coax Cable Double Shielded with Red Fluoropolymer Jacket 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 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 implement 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 Loss Flexible LMR-400-LLPX Plenum Rated Coax Cable Double Shielded with Red Fluoropolymer Jacket

L-com CAD Drawing



REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	02/02/21
		APPROVED
		S.ELLIS

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

ITEM NO. LMR-400-LLPX-LC

CAGE CODE DFRISIELLO

DRAWN BY

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLEANCES:

X ± .2 [5.08] FRACTIONS
 XX ± .02 [51] +1/32
 XXX ± .005 [13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
 300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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