

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

Times Microwave Systems Coax Cable Specification

Low Loss Flexible LMR-400-LLPX 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 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 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 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, Fairview Microwave has the right LMR-400-LLPX cable assembly for the job.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Shielding Effectiveness	90			dB
Nominal Capacitance		26.7		pF/ft
		[87.6]		[pF/m]

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
Power In (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
Power In (CW), Max	1,000	840	730	650	410	Watts

Mechanical Specifications

Diameter	0.37 in [9.4 mm]
Weight	0.11 lbs/ft [0.16 kg/m]
Min. Bend Radius (Repeated)	4 in [101.6 mm]



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

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Construction Specifications

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

Environmental Specifications
Temperature

Operating Range

-40 to 125 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

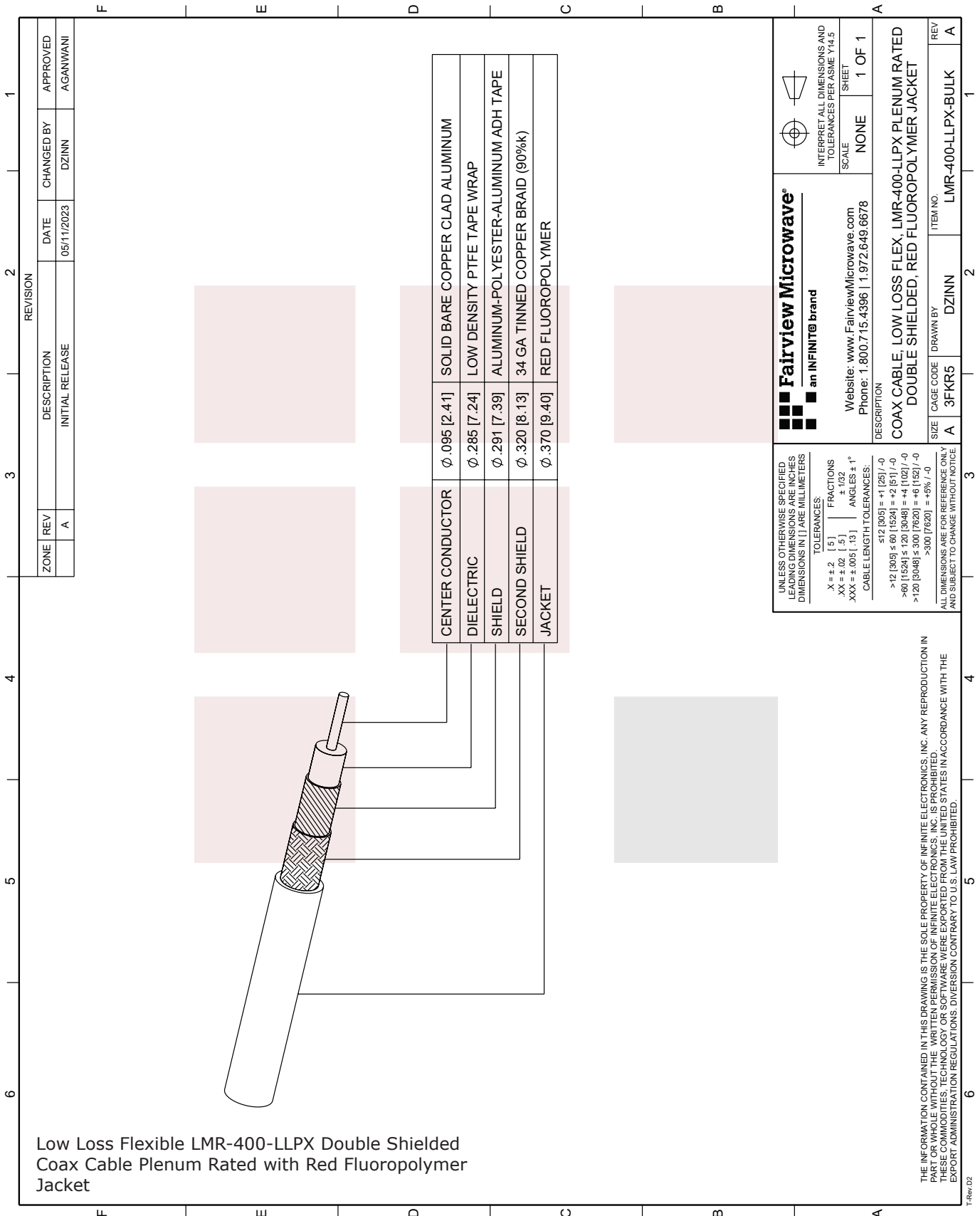
Notes:

Low Loss Flexible LMR-400-LLPX Double Shielded Coax Cable Plenum Rated with Red Fluoropolymer Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Low Loss Flexible LMR-400-LLPX Double Shielded Coax Cable Plenum Rated with Red Fluoropolymer Jacket LMR-400-LLPX-BULK](#)

URL: <https://www.fairviewmicrowave.com/lmr400llpx-low-loss-flexible-coax-cable-fluoropolymer-jacket-lmr-400-llpx-bulk-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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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	05/11/2023	DZINN	AGANWANI

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: .X = ±.2 [.5] FRACTIONS .XX = ±.02 [.5] ±.132 ANGLES ± 1° .XXX = ±.005 [.13] CABLE LENGTH TOLERANCES: ≤12 [305] = +1 [25] / -0 >12 [305] ≤ 60 [1524] = +2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	Fairview Microwave[®] an INFINIT [®] brand Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
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DESCRIPTION	CAGE CODE	DRAWN BY	ITEM NO.
COAX CABLE, LOW LOSS FLEX, LMR-400-LLPX PLENUM RATED DOUBLE SHIELDED, RED FLUOROPOLYMER JACKET	A 3FKR5	DZINN	LMR-400-LLPX-BULK

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