

## Times Microwave LMR-400-LLPX Low Loss Flexible Coax Cable Red Fluoropolymer Jacket



### LMR-400-LLPX



## Times Microwave Systems Connector Specification

### 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

Times Microwave LMR-400-LLPX Low Loss Flexible Coax Cable Red Fluoropolymer Jacket 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 highly fire retardant custom cable assembly, Fairview Microwave has the right LMR-400-LLPX cables for your applications.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Shielding Effectiveness	90			dB
Nominal Capacitance		26.7 [87.6]		pF/ft [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
Input Power (CW), Max	4.8	2.8	2.3	1.6	1.1	kWatts

Times Microwave LMR-400-LLPX Low Loss Flexible  
Coax Cable Red Fluoropolymer Jacket



**LMR-400-LLPX**

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	0.104 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	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**

<b>Temperature</b>	
Operating Range	-40 to 125 deg C

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

**Plotted and Other Data**

Notes:

## Times Microwave LMR-400-LLPX Low Loss Flexible Coax Cable Red Fluoropolymer Jacket



### LMR-400-LLPX

Times Microwave LMR-400-LLPX Low Loss Flexible Coax Cable Red Fluoropolymer Jacket 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: [Times Microwave LMR-400-LLPX Low Loss Flexible Coax Cable Red Fluoropolymer Jacket LMR-400-LLPX](https://www.fairviewmicrowave.com/lmr400llpx-low-loss-flexible-coax-cable-fluoropolymer-jacket-lmr-400-llpx-p.aspx)

URL: <https://www.fairviewmicrowave.com/lmr400llpx-low-loss-flexible-coax-cable-fluoropolymer-jacket-lmr-400-llpx-p.aspx>

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. 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 liability arising out of the use of any part or document.

# LMR-400-LLPX CAD Drawing

Times Microwave LMR-400-LLPX Low Loss Flexible Coax Cable Red Fluoropolymer Jacket

