

**Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket**
**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		5.8	GHz
Cutoff Frequency		90		GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Time Delay		1.54 [5.05]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
DWV (DC)			500	Vdc
Jacket Spark			2,000	Vrms
Inner Conductor DC Resist.			81	Ohms/1000ft
Outer Conductor DC Resist.			9.5	Ohms/1000ft
Nominal Capacitance		30.8		pF/ft
		[101.05]		[pF/m]
Nominal Inductance		0.077		uH/ft
		[0.25]		[uH/m]
Input Power (Peak)			600	Watts

**Performance by Frequency Band**

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	3.9	8.9	10.9	15.8	22.8	dB/100ft
	12.8	29.2	35.76	51.84	74.8	dB/100m
Power In (CW), Max	230	100	83	57	39	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	30.1	33.2	35.2	39.8	64.1	dB/100ft
	98.75	108.92	115.49	130.58	210.3	dB/100m
Power In (CW), Max	29	27	25	22	13	Watts

**Mechanical Specifications**

Diameter	0.11 in [2.79 mm]
Weight	0.01 lbs/ft [0.01 kg/m]
Min. Bend Radius (Installation)	0.25 in [6.35 mm]
Min. Bend Radius (Repeated)	1 in [25.4 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Tensile Strength	15 lbs [6.8 kg]
Flat Plate Crush	10 lbs/in [0.18 kg/mm]


**Configuration:**

- Low Loss, Indoor/Outdoor Flexible Cable
- 2 Shield(s)

Fairview Microwave  
 301 Leora Ln., Suite 100  
 Lewisville, TX 75056  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 1 Strands	0.018 in [0.46 mm]
Conductor Type	Solid	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Aluminum Tape	[ ]
Second Shield	Tinned Copper Braid	[ ]
Jacket	PVC, Black	0.11 in [2.79 mm]

**Environmental Specifications**
**Temperature**

Operating Range

-40 to +85 deg C

Storage Range

-70 to +85 deg C

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

**Plotted and Other Data**

Notes:

Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC 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: [Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket LMR-100A-PVC-FT](#)

URL: <https://www.fairviewmicrowave.com/lmr100-low-loss-flexible-coax-cable-pvc-jacket-lmr-100a-pvc-ft-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.

		REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED		
A	INITIAL RELEASE	03/24/2022	AGANWANI		

JACKET

SECOND SHIELD

FIRST SHIELD

DIELECTRIC

SOLID CENTER CONDUCTOR

Ø.110

[2.79]

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

<div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>Fairview Microwave</div><div>an INFINITE brand</div></div></div> <div>TITLE</div> <div>Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket</div>	<div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</div> <div><div>TOLERANCES:</div><div>CABLE LENGTH (L) TOLERANCES:</div></div> <div><div>.X = ±.2 [5.08]</div><div>FRACTIONS</div><div>.XX = ±.02 [.51]</div><div>± 1/32</div><div>XXX = ±.005 [.13]</div><div>ANGLES ± 1°</div></div> <div><div>L ≤ 12 [305] = +1 [25] / -0</div><div>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</div><div>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</div><div>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</div><div>300 [7620] &lt; L = +5%L / -0</div></div> <div>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</div> <div><div>SIZE</div><div>A</div><div>CAGE CODE</div><div>3FKR5</div><div>DRAWN BY</div><div>DZINN</div><div>ITEM NO.</div><div>LMR-100A-PVC-FT</div><div>REV</div><div>A</div></div>			<div>THIRD-ANGLE PROJECTION</div> <div><div></div><div></div></div> <div>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</div> <div>SHEET 1 OF 1</div> <div>SCALE N/A</div>
---	---	--	--	---

T-Rev.D