

# Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PF Jacket



## **LMR-600**



## **Times Microwave Systems Connector Specification**

### Configuration

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

#### **Features**

- Max Operating Frequency of 8 GHz
- Low Loss Cable

#### Phase Velocity 87% VoP

### **Applications**

· Laboratory Applications

General Purpose RF Interconnect

## Description

LMR-600 coax cable from Fairview is only one of a large number of radio frequency twinaxial and coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave LMR-600 coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss flexible 50 Ohm coax cable LMR-600 is constructed with a 0.59 inch diameter and PE jacket.

LMR-600 flexible 50 Ohm coax cable with PE jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.59 inch diameter and low loss flexible coax cable is built with a shield count of 2 and RF shielding of 90 dB.

Fairview Microwave LMR-600 coax is constructed with PE (F) dielectric and a maximum operating temperature of 85 degrees C. Times Microwave LMR-600 coax cable specs for this wire properties can be found on its RF coax cable LMR-600 datasheet PDF specifications above.

LMR-600 cable is part of more than one million RF, microwave and millimeter wave parts in stock at Fairview. This Times Microwave low loss LMR-600 coax cable is ready to buy and can be shipped worldwide. Fairview also maintains a wide selection of other radio frequency twinaxial and coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave and millimeter wave components.

## **Electrical Specifications**

	8	GHz
		GHZ
10.3		GHz
50		Ohms
87		%
1.17 [3.84]		ns/ft [ns/m]
		dB
	4,000	Vdc
	8,000	Vrms
	0.53	Ohms/1000ft
	87	50 87 1.17 [3.84] 4,000 8,000

<sup>\*</sup> LMR™ is a trademark of Times Microwave Systems.



# Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PE Jacket



# **LMR-600**

## **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Outer Conductor DC Resistance			1.2	Ohms/1000ft
Nominal Capacitance		23.4 [76.77]		pF/ft [pF/m]
Nominal Inductance		0.058 [0.19]		uH/ft [uH/m]
Input Power (Peak)			40	kWatts

## **Performance by Frequency Band**

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	0.5	1	1.2	1.7	2.5	dB/100ft
	1.64	3.28	3.94	5.58	8.2	dB/100m
Input Power (CW), Max	4,240	2,410	1,970	1,350	930	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	3.3	3.7	3.9	4.4	7.3	dB/100ft
	10.83	12.14	12.8	14.44	23.95	dB/100m
Input Power (CW), Max	700	630	590	520	320	Watts

## **Mechanical Specifications**

Diameter Weight

Min. Bend Radius (Installation)

Min. Bend Radius (Repeated)

Bending Moment

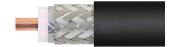
Bending Moment Tensile Strength Flat Plate Crush 0.59 in [14.99 mm] 0.137 lbs/ft [0.2 kg/m] 1.5 in [38.1 mm] 6 in [152.4 mm] 2.75 lbs-ft [3.73 N-m] 350 lbs [158.76 kg] 60 lbs/in [1.07 kg/mm]

### **Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum, 1 Strand	0.176 in [4.47 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.455 in [11.56 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PE, Black	0.59 in [14.99 mm]



# Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PE Jacket



## **LMR-600**

### **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-600 Low Loss Flexible Coax Cable Black PE 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-600 Low Loss Flexible Coax Cable Black PE Jacket LMR-600

URL: https://www.fairviewmicrowave.com/lmr600-low-loss-flexible-coax-cable-pe-jacket-lmr-600-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 impliment 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.

