

Times Microwave LMR-200-UF Flexible Coax Cable Black TPE Jacket LMR-200-UF



LMR-200-UF



Times Microwave Systems Connector Specification

Configuration

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

Features

- Easily Routed
- Low Loss Cable
- RF Shielding > 90dB
- Designed for Outdoor Use
- Watertight

Applications

- Jumper Assemblies
- Short Antenna Feeder Runs
- Wireless Communications

Description

LMR-200-UF 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-200-UF coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss flexible 50 Ohm coax cable LMR-200-UF is constructed with a 0.195 inch diameter and TPE jacket.

LMR-200-UF flexible 50 Ohm coax cable with TPE jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.195 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-200-UF coax is constructed with PE (F) dielectric and a maximum operating temperature of 85 degrees C. Times Microwave LMR-200-UF coax cable specs for this wire properties can be found on its RF coax cable LMR-200-UF datasheet PDF specifications above.

LMR-200-UF cable is part of more than one million RF, microwave and millimeter wave parts in stock at Fairview. This Times Microwave low loss LMR-200-UF 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.

* LMR™ is a trademark of Times Microwave Systems.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		83		%
Time Delay		1.22 [4]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms

Times Microwave LMR-200-UF Flexible Coax
Cable Black TPE Jacket LMR-200-UF



LMR-200-UF

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Inner Conductor DC Resistance			7.5	Ohms/1000ft
Outer Conductor DC Resistance			4.9	Ohms/1000ft
Nominal Capacitance		24.5 [80.38]		pF/ft [pF/m]
Nominal Inductance		0.061 [0.2]		uH/ft [uH/m]
Input Power (Peak)			2.5	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	2.7	4.8	5.8	8.3	11.9	dB/100ft
	8.86	15.75	19.03	27.23	39.04	dB/100m
Input Power (CW), Max	730	420	350	240	170	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	15.5	17.1	18	20.2	31.6	dB/100ft
	50.85	56.1	59.06	66.27	103.67	dB/100m
Input Power (CW), Max	130	120	110	100	60	Watts

Electrical Specification Notes:
Values at 25°C, sea level.
Attenuation = 0.385082*sqrt(FMHz) + 0.000396

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.022 lbs/ft [0.03 kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Tensile Strength	40 lbs [18.14 kg]
Flat Plate Crush	10 lbs/in [0.18 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Strand	0.044 in [1.12 mm]
Conductor Type	Stranded	
Dielectric	PE (F)	0.116 in [2.95 mm]
First Shield	Aluminum Tape	0.121 in [3.07 mm]

Times Microwave LMR-200-UF Flexible Coax Cable Black TPE Jacket LMR-200-UF



LMR-200-UF

Construction Specifications

Description	Material and Plating	Diameter
Second Shield	Tinned Copper Braid	0.144 in [3.66 mm]
Jacket	TPE, Black	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range	-40 to 85 deg C
Installation Range	-40 to 85 deg C
Storage Range	-70 to 85 deg C

Environmental Specification Notes:
Designed for indoor and outdoor use.

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

Plotted and Other Data

Notes:

Times Microwave LMR-200-UF Flexible Coax Cable Black TPE Jacket LMR-200-UF 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-200-UF Flexible Coax Cable Black TPE Jacket LMR-200-UF LMR-200-UF](#)

URL: <https://www.fairviewmicrowave.com/lmr200uf-flexible-coax-cable-pe-jacket-lmr-200-uf-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-200-UF CAD Drawing
 Times Microwave LMR-200-UF Flexible Coax Cable Black TPE Jacket LMR-200-UF

