

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

Times Microwave Systems Coax Cable Specification

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		83		%
Time Delay		1.22 [4]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
DWV (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms
Inner Conductor DC Resist.			7.5	Ohms/1000ft
Outer Conductor DC Resist.			4.9	Ohms/1000ft
Nominal Capacitance		24.5		pF/ft
		[80.38]		[pF/m]
Nominal Inductance		0.061		uH/ft
		[0.2]		[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 8.86	4.8 15.75	5.8 19.03	8.3 27.23	11.9 39.04	dB/100ft dB/100m
Power In (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 50.85	17.1 56.1	18 59.06	20.2 66.27	31.6 103.67	dB/100ft
Power In (CW), Max	130	120	110	100	60	Watts

Electrical Specification Notes:
Values at 25°C, sea level.
Attenuation = $0.385082 \cdot \sqrt{\text{FMHz}} + 0.000396$

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]



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

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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	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]
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:

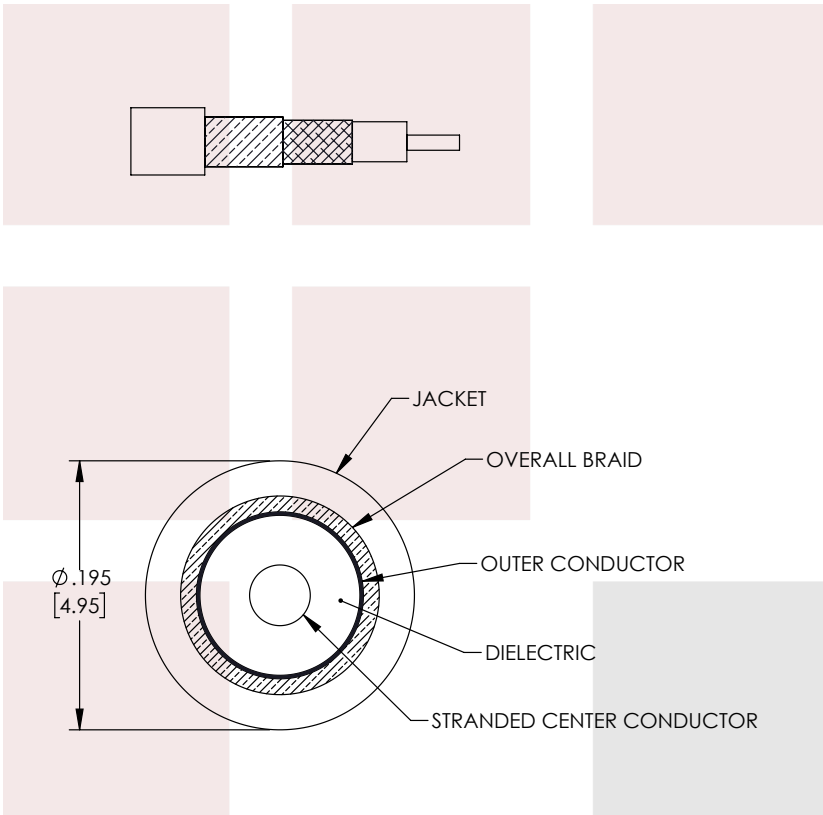
Times Microwave LMR-200-UF Flexible Coax Cable Black TPE Jacket LMR-200-UF from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Times Microwave LMR-200-UF Flexible Coax Cable Black TPE Jacket LMR-200-UF LMR-200-UF-FT](#)


URL: <https://www.fairviewmicrowave.com/lmr200uf-flexible-coax-cable-pe-jacket-lmr-200-uf-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



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TITLE		TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
Times Microwave LMR-200-UF Flexible Coax Cable Black TPE Jacket LMR-200-UF		.X = ±.2 [5.08] FRACTIONS .XX = ±.02 [.51] ± 1/32 XXX = ±.005 [.13] ANGLES ± 1°		L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0	
		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE	
SIZE		CAGE CODE		DRAWN BY	
A		3FKR5		DZINN	
		ITEM NO.		REV	
		LMR-200-UF-FT		A	

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