

Times Microwave LMR-400-UF Low Loss Flexible Coax Cable Black TPE Jacket

Times Microwave Systems Coax Cable Specification

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		5.8	GHz
Cutoff Frequency		16.2		GHz
Impedance		50		Ohms
Velocity of Propagation		85		%
Time Delay		1.2 [3.94]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
DWV (DC)			2,500	Vdc
Jacket Spark			8,000	Vrms
Inner Conductor DC Resist.			1.07	Ohms/1000ft
Outer Conductor DC Resist.			1.65	Ohms/1000ft
Nominal Capacitance		23.9		pF/ft
		[78.41]		[pF/m]
Nominal Inductance		0.06		uH/ft
		[0.2]		[uH/m]
Input Power (Peak)			16	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	1.1 3.61	1.8 5.91	2.2 7.22	3.3 10.83	4.7 15.42	dB/100ft dB/100m
Power In (CW), Max	2,140	1,220	1,000	690	480	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	6.2 20.34	6.8 22.31	7.2 23.62	8.1 26.57	13 42.65	dB/100ft dB/100m
Power In (CW), Max	360	330	310	280	170	Watts

Mechanical Specifications

Diameter	0.405 in [10.29 mm]
Weight	0.086 lbs/ft [0.13 kg/m]
Min. Bend Radius (Installation)	1 in [25.4 mm]
Min. Bend Radius (Repeated)	4 in [101.6 mm]
Bending Moment	0.38 lbs-ft [0.52 N-m]
Tensile Strength	160 lbs [72.57 kg]
Flat Plate Crush	20 lbs/in [0.36 kg/mm]



Configuration:

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

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Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper	0.108 in [2.74 mm]
Conductor Type	Stranded	
Dielectric	PE (F)	0.285 in [7.24 mm]
First Shield	Aluminum Tape	[]
Second Shield	Tinned Copper Braid	[]
Jacket	TPE, Black	0.405 in [10.29 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:

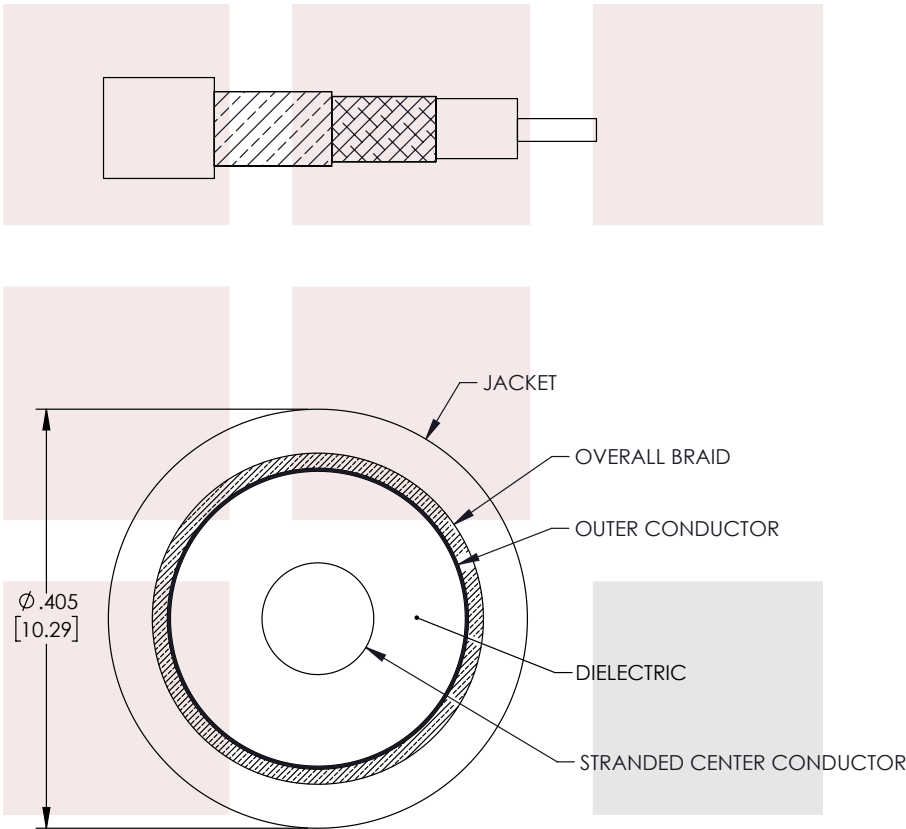
Times Microwave LMR-400-UF Low Loss Flexible Coax Cable Black TPE Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Times Microwave LMR-400-UF Low Loss Flexible Coax Cable Black TPE Jacket LMR-400-UF-FT](#)

URL: <https://www.fairviewmicrowave.com/lmr400uf-low-loss-flexible-coax-cable-tpe-jacket-lmr-400-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 Times Microwave LMR-400-UF Low Loss Flexible Coax Cable Black TPE Jacket		TOLERANCES:		CABLE LENGTH (L) TOLERANCES:			
		.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.					
SIZE A	CAGE CODE 3FKR5	DRAWN BY DZINN		ITEM NO. LMR-400-UF-FT		REV A	

T-Rev D