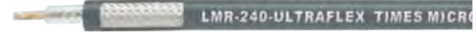


LOW LOSS COAXIAL CABLE + FOIL & BRAID

Flexible Low Loss Coax Ideal for...

- Jumper Assemblies in Wireless Communications Systems
- Short Antenna Feeder runs (e.g. WLL, GPS, LMR, Mobile Antennas)
- Any application that requires additional flexibility
- Cable Group G30




Calculate Attenuation = $(0.290501) \times \sqrt{\text{FMHz}} + (0.000396) \times \text{FMHz}$ (Cable Performance Calculators: online pc: www.timesmicrowave.com/calculator/ smart device: www.timesmicrowave.com/mobile/)

Attenuation: VSWR=1.0 ; Ambient = +25°C (77°F)

Power: VSWR=1.0; Ambient = +40°C; Inner Conductor = 100°C (212°F); Sea Level; dry air; atmospheric pressure; no solar loading

Attenuation at 20°C / 68°F											
@ MHz	30	50	150	220	450	900	1500	1800	2000	2500	5800
dB/100m	5,3	6,8	11,9	14,4	20,8	29,8	38,9	42,8	45,2	50,9	80,1
dB/100ft	1,6	2,1	3,6	4,4	6,3	9,1	11,8	13,0	13,8	15,5	24,4
kW	1,24	0,96	0,55	0,45	0,31	0,22	0,17	0,15	0,14	0,13	0,08

CONSTRUCTION	METRIC	IMPERIAL	MATERIAL
Jacket	Ø 6,10 mm	Ø 0,240"	LMR-250-UF Indoor/Outdoor TPE Black LMR-250-UF-FR Indoor/Outdoor FRPE Black
Overall Braid	Ø 4,52 mm	Ø 0,178"	Tinned Copper
Outer Conductor	Ø 3,94 mm	Ø 0,155"	Aluminium Tape
Dielectric	Ø 3,81 mm	Ø 0,150"	Foam PE
Inner Conductor	Ø 1,42 mm	Ø 0,056"	Stranded BC

ELECTRICAL DATA			MECHANICAL DATA		
Time Delay	3,97 nS/m	1,21 nS/ft	Bend Radius: Single	19,1 mm	0,75"
Capacitance	79,4 pF/m	24,2 pF/ft	Bend Radius: Repeated	63,5 mm	2,5"
Inductance	0,20 µH/m	0,060 µH/ft	Bending Moment	0,169 N·m	0,125 ft·lbf
Impedance	50 Ohm (Ω)		Weight	50 g/m	0,54 oz/ft
Velocity of Propagation	80%		Tensile Strength	36,3 kg	80 lb
Dielectric Constant	1,42		Flat Plate Crush	0,23 kg/mm	13 lb/in
Shielding Effectiveness	> 90 dB		ENVIRONMENTAL DATA		
DC Resistance Inner ...	14,1 Ω/km	4,28 Ω/1000ft	Operating Temperature	-40/+85°C	-40/+185°F
... Outer Conductor	12,8 Ω/km	3,89 Ω/1000ft	Installation Temperature	-40/+85°C	-40/+185°F
Voltage Withstand	1 500 V DC		Storage Temperature	-70/+85°C	-94/+185°F
Jacket Spark	5 000 V RMS		FIRE RETARDANT OPTIONS 		
Peak Power	5,6 kW		ROHS COMPLIANT 