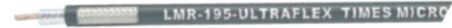


LOW LOSS COAXIAL CABLE + FOIL & BRAID

Flexible Low Loss Coax Ideal for...

- Jumper Assemblies in Wireless Communications Systems
- Short Antenna Feeder runs
- Any application that requires additional flexibility
- Cable Group G1 (RG-58/RG-142)



Calculate Attenuation = $(0.424232) \times \sqrt{\text{FMHz}} + (0.000563) \times \text{FMHz}$ (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	7,7	9,9	17,3	21,1	30,4	43,4	56,77	62,4	65,9	74,2	116,7
dB/100ft	2,3	3,0	5,3	6,4	9,3	13,2	17,3	19,0	20,1	22,6	35,6
kW	0,78	0,61	0,35	0,28	0,20	0,14	0,10	0,09	0,09	0,08	0,05

CONSTRUCTION	METRIC	IMPERIAL	MATERIAL
Jacket	Ø 4,95 mm	Ø 0,195"	Indoor/Outdoor Thermoplastic Elastomer (TPE) Black
Overall Braid	Ø 3,53 mm	Ø 0,139"	Tinned Copper
Outer Conductor	Ø 2,95 mm	Ø 0,116"	Aluminium Tape
Dielectric	Ø 2,79 mm	Ø 0,110"	Foam Polyethylene (PE)
Inner Conductor	Ø 0,97 mm	Ø 0,038"	Stranded BC

ELECTRICAL DATA			MECHANICAL DATA		
Time Delay	4,17 nS/m	1,27 nS/ft	Bend Radius: Single	12,7 mm	0,5"
Capacitance	83,3 pF/m	25,4 pF/ft	Bend Radius: Repeated	50,8 mm	2"
Inductance	0,21 µH/m	0,064 µH/ft	Bending Moment	0,136 N·m	0,1 ft·lbf
Impedance	50 Ohm (Ω)		Weight	30 g/m	0,32 oz/ft
Velocity of Propagation	75%		Tensile Strength	18,2 kg	40 lb
Dielectric Constant	1,56		Flat Plate Crush	0,18 kg/mm	10 lb/in
Shielding Effectiveness	> 90 dB		ENVIRONMENTAL DATA		
DC Resistance Inner ...	24,9 Ω/km	7,6 Ω/1000ft	Operating Temperature	-40/+85°C	-40/+185°F
... Outer Conductor	16,1 Ω/km	4,9 Ω/1000ft	Installation Temperature	-40/+85°C	-40/+185°F
Voltage Withstand	1 000 V DC		Storage Temperature	-70/+85°C	-94/+185°F
Jacket Spark	3 000 V RMS		  		
Peak Power	2,5 kW				