



CABLES A MEDIDA

Cable Coaxial Air802 CA600 (Equivalente a Times Microwave LMR600®)



Applications

- Antenna Cable Runs to Base Stations, Access Points (AP), Bridges or CPE
- Cabling between any WiFi or WiMax antenna and the associated equipment
- Indoor or Outdoor Use
- Direct Bury or Tower Use
- Land Mobile Radio (LMR)
- Local MultiPoint Distribution System (LMDS)
- Multi-Channel Multi-Point Distribution Service (MMDS)
- Wireless Local Loop (WLL)
- Personal Communication Systems (PCS)
- Mobile
- Fixed Wireless
- Ham Radio

Signal Loss Comparison Chart by Cable Type

Cable Type	Attenuation (Loss) @ 2.4 GHz	Attenuation (Loss) @ 5.8 GHz
RG-58	24.775 dB/100foot 81.288 dB/100meter	41.122 dB/100foot 134.921 dB/100meter
100 Series	38.916 dB/100foot 127.685 dB/100meter	64.098 dB/100foot 210.307 dB/100meter
195 Series	18.61 dB/100foot 61.061 dB/100meter	29.903 dB/100foot 98.113 dB/100meter
200 Series	16.512 dB/100foot 54.178 dB/100meter	26.353 dB/100foot 86.464 dB/100meter
240 Series	12.651 dB/100foot 41.509 dB/100meter	20.35 dB/100foot 66.769 dB/100meter
400 Series	6.614 dB/100foot 21.703 dB/100meter	10.821 dB/100foot 35.504 dB/100meter
600 Series	4.325 dB/100foot 14.19 dB/100meter	7.261 dB/100foot 23.825 dB/100meter



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Cable Construction

Description	Material	mm	Inches
1.Inner Conductor	Solid BCCAI	4.47	0.176
2.Dielectric	Foam PE (Polyethylene)	11.56	0.455
3.Outer Conductor - Shield Foil	Aluminum Tape	11.71	0.461
4.Overall Braid - Shield Diameter	34 AWG Tinned Copper, 90%	12.45	0.490
5.Jacket Black	PE (Polyethylene)	14.99	0.590

Mechanical Specifications

Mechanical Performance Characteristics	Unit	US	Metric
Minimum Bend Radius	In. - mm	1.5"	38.1
Tensile Strength	lb - kg	350	158.9
Cable Weight	lb/ft - kg/m	0.131	0.20
Operating Temperature Rating	F - C	-40½ to -185½	-40½ to 85½

Electrical Specifications

Electrical Performance Characteristics	Unit	US	Metric
Cutoff Frequency	GHz	16.2	16.2
Peak Power	kW	40.0	40.0
Velocity of Propagation	%	87.0	87.0
Impedance	ohms	50	50
Capacitance	pF/ft - pF/m	23.4	76.6
DC Resistance - Inner Conductor	ohms/1000ft - ohms/km	0.55	1.8
DC Resistance - Outer Conductor	ohms/1000ft - ohms/km	1.30	4.2
Shielding Effectiveness	dB	>90	>90
Jacket Spark	Volts RMS	4000	4000



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Attenuation and Average Power

Frequency (MHz)	dB/100 Foot	dB/100 Meter	Av. Power (kW)
30	0.4	1.4	5.51
50	0.5	1.8	4.24
150	1.0	3.2	2.41
220	1.2	3.9	1.97
450	1.7	5.6	1.35
800	2.3	7.6	0.99
900	2.5	8.2	0.93
1500	3.3	10.9	0.70
1800	3.7	12.1	0.63
2000	3.9	12.8	0.59
2200	4.1	13.5	0.56
2400	4.3	14.1	0.53
2500	4.4	14.5	0.52
3500	5.3	17.65	0.43
5800	7.3	23.8	0.32

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