

CA 195

Cable Construction

Description	Material	mm	Inches
1. Inner Conductor	Solid Bare Copper	0.94	0.037
2. Dielectric	Foam PE (Polyethylene)	2.79	0.110
3. Outer Conductor	Aluminum Tape	2.95	0.116
4. Overall Braid	36 AWG Tinned Copper, 90%	3.53	0.139
5. Jacket	FR-PVC (Black or White)	4.95	0.195

Mechanical Specifications

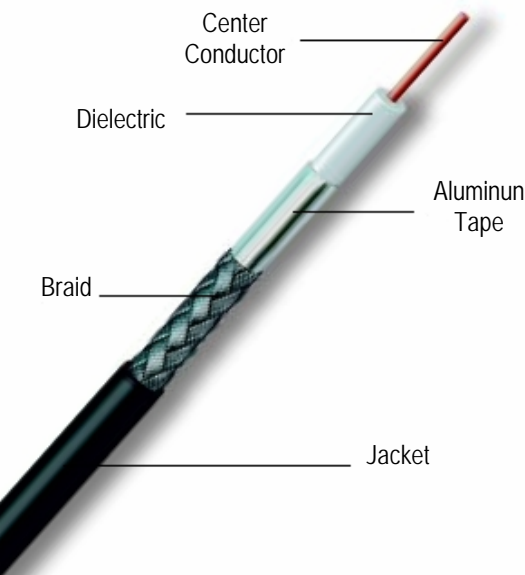
Performance Characteristics	Unit	US	Metric
Minimum Bend Radius	In. - mm	1	25
Tensile Strength	lb - kg	40	18.2
Cable Weight	lb/ft - kg/m	0.021	0.03
Operating Temperature Rating	F - C	-4° to 140°	-20° to 60°

Electrical Specifications

Performance Characteristics	Unit	US	Metric
Cutoff Frequency	GHz	41	41
Peak Power	kW	2.5	2.5
Velocity of Propagation	%	80	80
Impedance	ohms (Ω)	50	50
Capacitance	pF/ft - pF/m	24.3	79.69
DC Resistance - Inner Conductor	ohms/1000ft ohms/km	7.60	24.90
DC Resistance - Outer Conductor	ohms/1000ft ohms/km	4.90	16.10
Shielding Effectiveness	dB	>90	>90
Jacket Spark	Volts RMS	2500	2500

Attenuation and Average Power

Frequency (MHz)	dB/100 Foot	dB/100 Meter	Av. Power (kW)
30	2	6.5	0.89
50	2.5	8.4	0.68
150	4.4	14.6	0.39
220	5.4	17.7	0.32
450	7.8	25.5	0.22
800	10.5	34.3	0.15
900	11.1	36.5	0.16
1500	14.5	47.7	0.12
1800	16	52.5	0.11
2000	16.9	55.4	0.10
2200	17.8	58.3	0.09
2400	18.6	61.1	0.09
2500	19	62.4	0.09
3500	22.7	74.7	0.07
5800	29.9	98.1	0.06



AIR802 LLC

931 W. 75th St. Ste. 137-319 · Naperville, IL 60565 USA

Tel: (630) 428-3108 · Fax: (630) 428-1575

sales@air802.com · www.air802.com