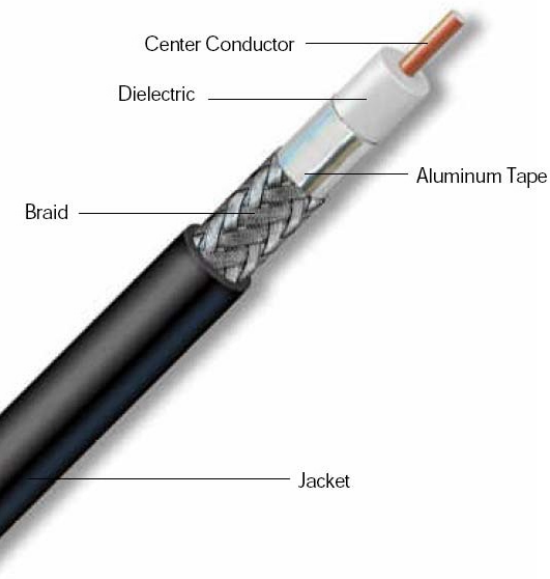
CA 240



Cable Construction

Description	Material	mm	Inches
1. Inner Conductor	Solid Copper	1.42	0.056
2. Dielectric	Foam PE (Polyethylene)	3.81	0.150
3. Outer Conductor	Aluminum/Poly Tape	3.94	0.155
4. Overall Braid	Tinned Copper	4.52	0.178
5. Jacket	PE (Polyethylene)	6.10	0.240

Mechanical Specifications

Performance Characteristics	Unit	Metric	US
Minimum Bend Radius	mm - in.	19.1	0.75
Tensile Strength	kg - lb.	36.3	80
Cable Weight	kg/m - lb/ft	0.05	0.034
Operating Temperature Rating	°C - °F	-40° to 85°	-40° to 185°

Electrical Specifications

Performance Characteristics	Unit	Metric	US
Cutoff Frequency	GHz	31	31
Shielding Effectiveness	dB	>90	>90
Peak Power	kW	5.6	5.6
Velocity of Progation	%	84.0	84.0
Impedance	ohms (Ω)	50	50
Capacitance	pF/m - pF/ft	79.4	24.2
DC Resistance - Inner Conductor	ohms/km ohms/1000 ft	10.5	3.2
DC Resistance - Outer Conductor	ohms/km ohms/1000 ft	12.79	3.89

Attenuation and Average Power

Frequency (MHz)	dB/100 Meter	dB/100 Foot	Av. Power (kW)
30	4.4	1.3	1.49
50	5.7	1.7	1.15
150	9.9	3.0	0.66
220	12.0	3.7	0.54
450	17.3	5.3	0.38
900	24.8	7.6	0.26
1500	32.4	9.9	0.20
1800	35.6	10.9	0.18
2000	37.7	11.5	0.17
2200	39.6	12.0	0.16
2400	41.5	12.6	0.16
2500	42.4	12.9	0.15
5800	66.8	20.4	0.10

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