

### Cable Construction

# CA240FLEX

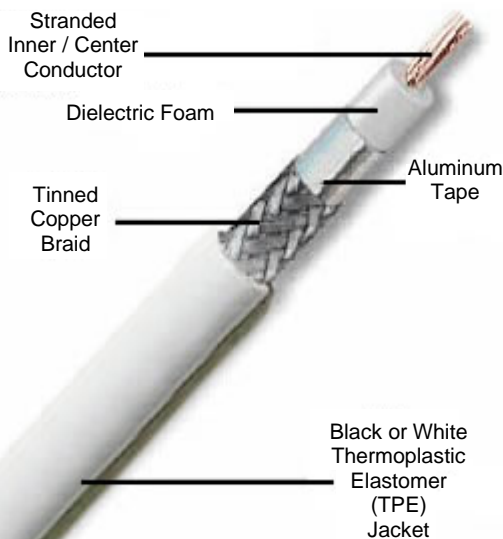
Description	Material	mm	Inches
1. Inner Conductor	Stranded BC	1.42	0.056
2. Dielectric	Foam PE (Polyethylene)	3.81	0.150
3. Outer Conductor	Aluminum Tape	3.94	0.155
4. Overall Braid	34 AWG Tinned Copper, 90%	4.52	0.178
5. Jacket	PE (Polyethylene)	6.10	0.240

### Mechanical Specifications

Performance Characteristics	Unit	US	Metric
Minimum Bend Radius (Repeated)	In. - mm	2.5	63.5
Tensile Strength	lb - kg	80	36.3
Cable Weight	lb/ft - kg/m	0.034	0.05
Operating Temperature Rating	F - C	-40° to -185°	-40° to 85°

### Electrical Specifications

Performance Characteristics	Unit	US	Metric
Velocity of Propagation	GHz	80	80
Peak Power	kW	5.6	5.6
Velocity of Propagation	%	80	80
Impedance	ohms ( $\Omega$ )	50	50
Capacitance	pF/ft - pF/m	24.2	79.4
DC Resistance - Inner Conductor	ohms/1000ft ohms/km	4.28	14.1
DC Resistance - Outer Conductor	ohms/1000ft ohms/km	3.89	12.8
Voltage Withstand	Volts DC	1500	1500
Jacket Spark	Volts RMS	5000	5000



### Attenuation and Average Power

Frequency (MHz)	dB/100 Foot	dB/100 Meter	Av. Power (kW)
30	1.6	5.3	1.24
50	2.1	6.8	0.96
150	3.6	11.9	0.55
220	4.4	14.4	0.45
450	6.3	20.8	0.31
800	8.5	28.0	0.20
900	9.1	29.8	0.20
1500	11.8	38.9	0.17
1800	13.0	42.8	0.15
2000	13.8	45.2	0.14
2200	14.5	47.6	0.13
2400	15.2	49.8	0.13
2500	15.5	50.9	0.13
3500	18.6	60.9	0.10
5800	24.4	80.1	0.08

AIR802

1981 D Wiesbrook Drive · Oswego, IL 60543 USA

Tel: (630) 966.2501

sales@air802.com · www.air802.com