



CA381

Construction Specification		
	Material	Diameter(mm)
1. Inner Conductor	solid BC	1.12
2. Dielectric	Foam PE	2.95
3. Outer Conductor	SPC SPC Strip Braid	3.20
4. Overall Braid	TC TC Braid over Tape	3.91
5. Jacket	black PE	4.95

Mechanical Characteristics	
Bend Radius installation mm	127
Bend Radius repeated mm	508
Bend Moment vkm	0.27
Weight kv/m	0.04
Tensile Strength kv	18.2
Flat Plate Crush kv/mm	0.27
Temperature Range °C	-40 to 85

Electrical Characteristics	
Impedance(Ohm)	50
Capacitance(pF/m)	80.3
Inductance uH/m	0.20
Velocity(-)	83
Shielding Effectiveness(dB)	100
Attenuation at 30MHz	4.02
Cutoff Frequency MHz	39
DC Voltage Standoff	1000
Jacket Spark(RMS)	3000
Peak Power kW	25
Dielectric Constant WA	1.45

Frequency (MHz)	Attenuation (dB/100m)	Average Power (kW)
30	5.5	1.02
50	7.1	0.84
150	12.4	0.48
220	15.0	0.39
450	21.1	0.27
900	30.9	0.19
1500	40.2	0.15
1800	44.2	0.13
2000	47.7	0.13
2500	52.5	0.11
5800	82.2	0.07
10000	110.5	0.05