



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
Bending Moment N·m	0.27
Weight kg/m	0.06
Tensile Strength kg	18.2
Flat Plate Crush kg/mm	0.27
Temperature Range	-40~85

Electrical Characteristics	
Impedance(Ohm)	50
Capacitance(pF/m)	80.3
Inductance uH/m	0.20
Velocity(%)	83
Shielding Effectiveness(dB)	>100
rS/m	402
Cutoff Frequency GHz	39
Voltage Withstand VDC	1000
Jacket Spark(VRMS)	3000
Peak Power kw	25
Dielectric Constant NA	1.45

(20 , ) Attenuation & Average Power @ 20 and Sea Level		
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	21.6	0.27
900	30.9	0.19
1500	40.2	0.15
1800	44.2	0.13
2000	46.7	0.13
2500	52.5	0.11
5800	82.2	0.07
10000	110.5	0.05