


Construction Specification

	Material	Diameter	
		mm	inche
1. Inner Conductor	Copper Stranded Wire	7x0.75(2.25)	7x0.030(0.089)
2. Dielectric	Solid Polyethylene	7.24	0.285
3. Outer Conductor	Bare Copper Wire (98% Coverage 24x9x0.16)	8.00	0.315
4. Jacket	PVC	10.30	0.406

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	66%
Capacitance	101pF/m 30.78pF/Ft
Jacket spark	3000 Vrms
Max.Oper Frequency	5800 MHz
Return loss (30~3000MHz)	≥ 15 dB

Mechanical Characteristics

Max.Tensile Strength	160 kg
Min.Bending Radius Static	38 mm
Weight	175kg/km

Environmental Characteristics

Operating Temperature Range($^{\circ}$ C)	-20~+60 $^{\circ}$ C
Installation Temperature Range	-20~+60 $^{\circ}$ C
Storage Temperature Range	-20~+85 $^{\circ}$ C

Attenuation & Average Power @ 20 $^{\circ}$ C and Sea Leavel

Frequency(MHz)	Attenuation	
	dB/100m	dB/100Ft
100	6.8	2.073
200	9.0	2.743
400	14.9	4.542
1000	25.4	7.742
1500	32.5	9.906
2000	37.4	11.400
3000	47.6	14.508
5200	63.2	19.263
5800	68.5	20.879