



## 1. Construction Specification:

Item	Material	Diameter (mm)
1. Inner conductor	SCCS	7/0.175
2. Dielectric	PTFE	1.53 ±0.05
3. Outer Conductor	SPC wire	1.95 ±0.05
5. Jacket	FEP	2.65 ±0.05

## 2. Electrical Characteristics:

Items	Data
Capacitance(pF/m)	106pF/m
Impedance( $\Omega$ )	50 $\Omega$
Velocity (%)	70%
Cutoff frequency (GHz)	65GHz
Time delay (ns/m)	4.7ns/m
Max. Operating Voltage (kVrms)	2,000V rms/min

### 3. Mechanical and Environmental Characteristics:

Items	Data
Min. bending radius static (mm)	15mm
Operating temp. (°C)	-65°C to +150°C
Weight (kg/km)	18g/m

### 4. Attenuation @ 20°C and Sea Level, Power (20°C):

Frequency (GHz)	Attenuation (dB/m)	Power (Watts CW)
0.1	0.29	420
0.4	0.58	210
0.9	0.88	140
1	0.93	135
1.8	1.27	100
2.4	1.46	78
3	1.65	72
5	2.14	61
6	2.34	52

### Part Number Table

Description	Part Number
Cable, Coaxial, 100m, RG188A/U	1053

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