

## COMMUNICATION RF COAXIAL CABLE

**Model: 1/2 S**



### Construction

Item	Material	Diameter(mm)	Remarks
Inner Conductor	Copper tube	3.60	
Insulation	Foam PE	9.30	
Outer Conductor	Corrugated Copper Tube	12.00	
Jacket	Halogen free PE	13.40	

### MECHANICAL

Minimum Bending Radius

Single Bending (mm)	≥25
Repeated Bending (mm)	≥ 55
Cable weight (kg/km) <500M A bundle>	145 <92>

### ELECTRICAL

Impedance (Ω)	50 ± 1
Capacitance (pF/m)	83± 2
Velocity of Propagation (%)	81.0
Dielectric strength (kV)	3
Max. Operating frequency	8.8GHz
V.S.W.R	0.7~1.0GHz ≤ 1.1
	1.7~2.2GHz ≤ 1.13
	2.2~2.7GHz ≤ 1.15
Screening Effectiveness (dB)	≥ 120
Insulation Resistance (MΩ/km)	> 10000
Operating Temperature (°C)	-25 to +70

### ATTENUATION (@20°C)

Frequency (MHz)	Max Attenuation(dB/100m)
800	10.42
1000	11.82
1800	16.01
2000	17.22
2500	19.62
3000	22.31