

## COMMUNICATION RF COAXIAL CABLE

### Model: 7/8 R



#### Construction

Item	Material	Diameter(mm)	Remarks
Inner Conductor	Copper tube	9.00	
Insulation	Foam PE	22.30	
Outer Conductor	Corrugated Copper Tube	24.90	
Jacket	Halogen free PE	27.30	

#### MECHANICAL

Minimum Bending Radius

Single Bending (mm)	≥ 127
Repeated Bending (mm)	≥ 254

#### ELECTRICAL

Impedance (Ω)	50 ± 1
Capacitance (pF/m)	75 ± 2
Velocity of Propagation (%)	88.0
Dielectric strength (kV)	10
Max. Operating frequency	5.2GHz
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	3.3
1000	3.8
1800	5.2
2000	6.1
2500	7
3000	7.3