

**Radiating Cable 50 Ohm Coaxial 1/2 Inch
Lower Smoke, Halogen-Free**
Electrical Specifications

Impedance	50 ohm
Operating Frequency	100-1550MHz;1650-30000MHz
Max VSWR	1.3
Velocity	88%
Capacitance	76 pf/m
Insulation Resistance Minimum	3000M ohm
DC Breakdown	6000V
Jacket Spark	8000V
Attenuation and Coupling Loss	See table below:

Frequency (MHz)	Attenuation (dB/100m)	Coupling Loss dB (50%/95%)
150	2.80	62/78
450	5.70	70/80
790	7.11	75/83
900	8.20	71/82
1800	11.35	75/82
2200	12.95	76/83
2400	13.60	74/84
2700	14.49	80/88

Mechanical Specifications

Minimum Bending Radius	125 mm
Tensile Strength	1130 N
Recommended Clamp Spacing	0.5m

Mechanical Dimensions & Weight

Inner Conductor OD	4.80 mm
Diameter over Dielectric Material	13.30 mm
Diameter over Jacket	15.70 mm

Material Specifications

Inner Conductor	Copper-Clad Aluminum Wire
Dielectric	Foam PE
Outer Conductor	Corrugated Copper Tube
Jacket Material	HFFR PE, (UL1518-1990)
Jacket Color	Black

Environmental Conditions

Storage Temperature	from -70 °C to 85 °C
Operating Temperature	from -40 °C to 85 °C
Installation/Cutting/Re-packaging Temp	from -25 °C to 60 °C

Package Information

Lengths per Reel (meter)	300 / 500 - 0.19kg/meter
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