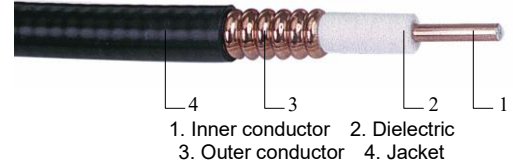


Top Signal RF ½-Inch Foam-Dielectric Coaxial Cable – PRODUCT No: TS360000

Construction		
Inner conductor	Material	Copper clad aluminum wire
	Diameter	3.56 mm (0.14 in.)
Insulation	Material	Foam polyethylene
	Diameter	9.3 mm (0.366 in.)
Outer conductor	Material	Corrugated copper
	Diameter	12.3 mm (0.48 in.)
Jacket	Material	Polyethylene
	Thickness	1.45 mm (0.06 in.)
	Diameter	13.75 mm (0.54 in.)
Mechanical properties		
Weight		0.17 kg/m (0.11 lbs./ft.)
Min. bending radius (repeated)		32 mm (1.3 in.)
Tensile strength		66.3 kg (146 lbs.)
Recommended temperature	Store	-70° to +85 °C (-94° to +185 °F)
	Installation	-40° to +60 °C (-40° to +140 °F)
	Operation	-50° to +85 °C (-58° to +185 °F)
Electrical properties		
Impedance		50 Ω (±1)
Maximum frequency		10.6 GHz
Propagation velocity		77%
Capacitance		86 pF/m (26 pF/ft.)
Inductance		0.215 μH/m (0.066 μH/ft.)
Peak power rating		24 kW
RF peak voltage		1550 V
DC resistance	Inner conduct.	2.9 Ω/1000 m (0.88 Ω/1000 ft.)
	Outer conduct.	4.5 Ω/1000 m (1.37 Ω/1000 ft.)



Attenuation and average power			
Frequency MHz	Attenuation*		Power rate** kW
	dB/100 m	dB/100 ft.	
600	8.20	2.50	0.861
700	8.91	2.71	0.792
750	9.24	2.82	0.764
800	9.57	2.92	0.738
824	9.72	2.96	0.726
894	10.20	3.10	0.692
900	10.20	3.11	0.692
1700	14.50	4.41	0.487
1800	14.90	4.55	0.474
2000	15.80	4.82	0.447
2100	16.30	4.96	0.433
2200	16.70	5.09	0.423
2400	17.50	5.35	0.403
2500	17.90	5.47	0.394
2600	18.40	5.59	0.384
2700	18.80	5.72	0.376

*Attenuation at 20 °C (68 °F) cable temperature. Tolerance ±5% of the nominal attenuation value.

**Mean power rating at 40 °C (104 °F) ambient temperature.

Environment requirements

Complies with the RoHS Directive 2011/65/EU and its subsequent amendments.



RoHS

