



Connectivity



50 Ohm Radiating Cable

7/8" diameter, Low Smoke, Non-Halogenated, Fire Retardant jacket. Conforms to IEC332-1, IEC332-3C, UL 1685-12



Features & Benefits

100% Made in the USA (Buy America, Title 49 Compliant)
NFPA-130/NFPA-502 Compliant (2017 Edition) & CMG-LS Listed
No Water Migration 15 Year Warranty

Indication of Slot Alignment	none
Recommended Hangar Spacing, ft (m)	6 (2)
Minimum Distance to Wall, in (mm)	2 (50.8)
Jacket Color	black

Physical Dimensions

Center Diameter, in (mm)	0.383 (9.73)
Diameter Over Dielectric	0.980 (24.89)
Diameter Over Outer Conductor, in (mm)	2 (50.8)
Maximum Diameter Over Jacket, in (mm)	1.104 (28.04)
Center Conductor	Solid Copper Tube
Outer Conductor	Dual Slotted Solid Aluminum Tool

Electrical Characteristics

Maximum Frequency, GHz	5
Peak Power Rating, KW	90
DC Resistance, Ohms/1000ft (1000m)	
Center	0.47 (1.54)
Outer	0.24 (0.78)
DC Breakdown, kV	6.7
Capacitance, pF/ft (m)	22.3 (73.16)
Inductance, mH/ft (m)	0.056 (0.184)
Jacket Sparks, kV RMS	8
VSWR min, (dB)	1.38 (16.0)
VSWR in-band, (dB)	1.30 (17.7)
Impedance, Ohms	50 + or - 2
Velocity of Propagation	91%

Regulatory Compliance/Certifications

RoHS 2011/65/EU Compliant

Electrical Performance

Frequency, MHz	Attenuation		Coupling Loss
	dB/100 ft	dB/100 m	
150	0.43	1.40	64 (68)
220	0.54	1.76	66 (69)
300	0.68	2.22	69 (72)
350	0.75	2.45	68 (71)
400	0.83	2.71	71 (73)
450	0.93	3.05	62 (67)
500	1.08	3.53	72 (74)
700	1.31	4.29	65 (68)
800	1.44	4.71	64 (68)
900	1.66	5.45	60 (64)
960	1.81	5.93	64 (68)

Mechanical Characteristics

Minimum Bend Radius, in (mm) - Single	13 (330.2)
Cable Weight, lb/ft (kg/m)	0.33 (0.50)
Bending Moment, ft lb (N m)	26 (35.1)
Tensile Strength, lb (kg)	734 (333.6)
Flat Plate Crush, lb/in (kg/mm)	132 (2.36)
Recommended Install Temp., °F (°C)	-10 to 170 (-23 to 77)
Recommended Storage Temp., °F (°C)	-40 to 170 (-40 to 77)
Recommended Operating Temp., °F (°C)	-40 to 170 (-40 to 77)