

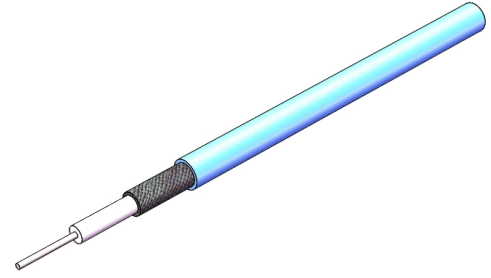
.047 Coaxial Cable – 50 Ω Formable Jacketed Copper-Tin Composite



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EZ-FLEX.47-J

∅.047" Formable Copper-Tin Composite Outer Conductor, SPCW Center Conductor, PTFE Dielectric, Blue FEP Jacket, 50 Ω.



Specifications

DIMENSIONS

Center Conductor Diameter	0.0113 in
Dielectric Diameter	0.0340 in
Outer Conductor Diameter	0.0470 in
Jacket Diameter	0.0600 in

MATERIALS

Center Conductor Material	SPCW
Dielectric Material	PTFE
Outer Conductor Material	Copper-Tin Composite
Jacket Material	Blue FEP
RoHS Compliant	Yes

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+200 °C
Inside Bend Radius (Minimum)	0.125 in
Weight	0.48 lbs per 100 ft

ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±2.0 Ω
Velocity of Propagation	70.00%
Shielding Effectiveness	>90 db
Voltage Withstanding	2000 VRMS @ 60 Hz
Continuous Working Voltage	800 VRMS max
Maximum Operating Frequency	116 GHz

Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	28 db
1.0 GHz	39 db
5.0 GHz	90 db
10.0 GHz	130 db
18.0 GHz	180 db
26.5 GHz	225 db
40.0 GHz	286 db
50.0 GHz	328 db
65.0 GHz	385 db
90.0 GHz	470 db

Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	45 W
1.0 GHz	31 W
5.0 GHz	13 W
10.0 GHz	9.3 W
18.0 GHz	7 W
26.5 GHz	5.6 W
40.0 GHz	4.4 W
50.0 GHz	4 W
65.0 GHz	3.4 W
90.0 GHz	2.8 W