

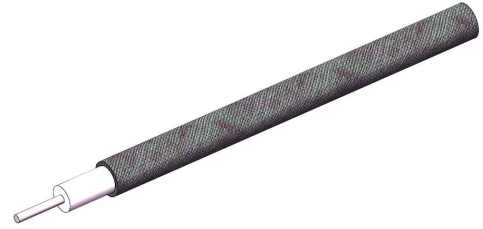
.086 Coaxial Cable – 50 Ω Formable Copper-Tin Composite



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EZ-FLEX.86

∅.086" Formable Copper-Tin Composite Outer Conductor,
SPCW Center Conductor, PTFE Dielectric, 50 Ω.



Specifications

DIMENSIONS

Center Conductor Diameter	0.0201 in
Dielectric Diameter	0.0660 in
Outer Conductor Diameter	0.0860 in

MATERIALS

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

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+200 °C
Inside Bend Radius (Minimum)	0.125 in
Weight	1.20 lbs per 100 ft

ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±1.5 Ω
Velocity of Propagation	70.00%
Shielding Effectiveness	>90 db
Voltage Withstanding	2500 VRMS @ 60 Hz
Continuous Working Voltage	1000 VRMS max
Maximum Operating Frequency	60 GHz

Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	15 db
1.0 GHz	22 db
5.0 GHz	55 db
10.0 GHz	81 db
18.0 GHz	113 db
26.5 GHz	145 db
40.0 GHz	160.6 db
50.0 GHz	185.9 db

Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	180 W
1.0 GHz	130 W
5.0 GHz	54 W
10.0 GHz	35 W
18.0 GHz	20 W