

.086 Coaxial Cable – 50 Ω Formable Copper-Tin Composite over Copper Foil – Double-Shielded



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EZ-FLEX.86-DS

ø.086" Formable Copper-Tin Composite over Copper Foil
Outer Conductor, SPCW Center Conductor, PTFE Dielectric,
50 Ω. Double-Shielded.



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, Copper Foil
RoHS Compliant	Yes

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+200 °C
Inside Bend Radius (Minimum)	0.375 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	>120 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	13.2 db
1.0 GHz	19 db
5.0 GHz	45.8 db
10.0 GHz	68.3 db
18.0 GHz	97.2 db
26.5 GHz	123.5 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