

.0865 Coaxial Cable – 50 Ω Semi-Rigid Copper

EZ-86/M17

ø.0865" Semi-Rigid Copper Outer Conductor, SPCW Center Conductor, PTFE Dielectric, 50 Ω.



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Specifications

DIMENSIONS

Center Conductor Diameter	0.0201 in
Dielectric Diameter	0.0660 in
Outer Conductor Diameter	0.0865 in

MATERIALS

Center Conductor Material	SPCW
Dielectric Material	PTFE
Outer Conductor Material	Copper
RoHS Compliant	Yes

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+125 °C
Inside Bend Radius (Minimum)	0.125 in
Weight	1.40 lbs per 100 ft

ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±1.5 Ω
Velocity of Propagation	69.50%
Shielding Effectiveness	>165 db
Voltage Withstanding	5000 VRMS @ 60 Hz
Continuous Working Voltage	1500 VRMS max
Maximum Operating Frequency	60 GHz

Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	13.5 db
1.0 GHz	19.5 db
5.0 GHz	46 db
10.0 GHz	68 db
18.0 GHz	94 db
26.5 GHz	120 db
40.0 GHz	160 db
50.0 GHz	186 db

Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	235 W
1.0 GHz	165 W
5.0 GHz	70 W
10.0 GHz	50 W
18.0 GHz	35 W
26.5 GHz	26 W
40.0 GHz	20 W
50.0 GHz	16 W