

.0865 Coaxial Cable – 50 Ω Semi-Rigid Tin-Plated Copper – Low-Loss



© 2024 EZ FORM CABLE INC. ALL RIGHTS RESERVED.

EZ-86-LA-TP

∅.0865" Semi-Rigid Tin-Plated Copper Outer Conductor, SPC Center Conductor, LD PTFE Dielectric, 50 Ω. Low-Loss.



Specifications

DIMENSIONS

Center Conductor Diameter	0.0226 in
Dielectric Diameter	0.0660 in
Outer Conductor Diameter	0.0865 in

MATERIALS

Center Conductor Material	SPC
Dielectric Material	LD PTFE
Outer Conductor Material	Copper
Outer Conductor Plating Material	Tin
RoHS Compliant	Yes

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+250 °C
Inside Bend Radius (Minimum)	0.250 in
Weight	1.58 lbs per 100 ft

ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±1.5 Ω
Velocity of Propagation	76.50%
Shielding Effectiveness	>165 db
Voltage Withstanding	2500 VRMS @ 60 Hz
Continuous Working Voltage	1500 VRMS max
Maximum Operating Frequency	64 GHz

Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	11.6 db
1.0 GHz	16.5 db
5.0 GHz	37.3 db
10.0 GHz	53.3 db
18.0 GHz	72.4 db
26.5 GHz	88.7 db
40.0 GHz	110.4 db
50.0 GHz	124.4 db
65.0 GHz	143.2 db

Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	340 W
1.0 GHz	240 W
5.0 GHz	105 W
10.0 GHz	73 W
18.0 GHz	54 W
26.5 GHz	44 W
40.0 GHz	36 W
50.0 GHz	32 W
65.0 GHz	28 W