

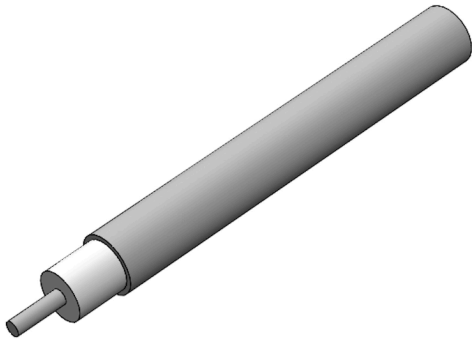
.141 Coaxial Cable – 50 Ω Semi-Rigid Tin-Lead-Plated Aluminum

EZ-141-AL-TL

ø.141" Semi-Rigid Tin-Lead-Plated Aluminum Outer
Conductor, SPCW Center Conductor, PTFE Dielectric, 50 Ω.



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Specifications

DIMENSIONS

Center Conductor Diameter	0.0362 in
Dielectric Diameter	0.1175 in
Outer Conductor Diameter	0.1410 in

MATERIALS

Center Conductor Material	SPCW
Dielectric Material	PTFE
Outer Conductor Material	Aluminum
Outer Conductor Plating Material	Tin-Lead
RoHS Compliant	No

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+125 °C
Inside Bend Radius (Minimum)	0.125 in
Weight	2.05 lbs per 100 ft

ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±1.0 Ω
Velocity of Propagation	69.50%
Shielding Effectiveness	>165 db
Voltage Withstanding	5000 VRMS @ 60 Hz
Continuous Working Voltage	1900 VRMS max
Maximum Operating Frequency	34 GHz

Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	6.5 db
1.0 GHz	9.3 db
5.0 GHz	21.3 db
10.0 GHz	30.7 db
18.0 GHz	42 db
26.5 GHz	51.9 db

Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	645 W
1.0 GHz	465 W
5.0 GHz	202 W
10.0 GHz	140 W
18.0 GHz	101 W
26.5 GHz	96 W