

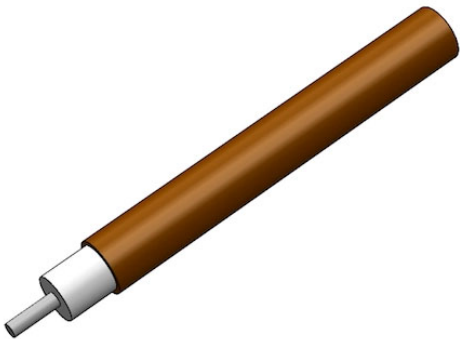
.141 Coaxial Cable – 50 Ω Semi-Rigid Copper – Low-Loss

EZ-141-LA

ø.141" Semi-Rigid Copper Outer Conductor, SPC Center Conductor, LD PTFE Dielectric, 50 Ω. Low-Loss.



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Specifications

DIMENSIONS

Center Conductor Diameter	0.0403 in
Dielectric Diameter	0.1175 in
Outer Conductor Diameter	0.1410 in

MATERIALS

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

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+250 °C
Inside Bend Radius (Minimum)	0.500 in
Weight	3.20 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	5000 VRMS @ 60 Hz
Continuous Working Voltage	1900 VRMS max
Maximum Operating Frequency	37 GHz

Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	7.5 db
1.0 GHz	10.5 db
5.0 GHz	24 db
10.0 GHz	34 db
18.0 GHz	46 db
26.5 GHz	56 db

Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	820 W
1.0 GHz	580 W
5.0 GHz	240 W
10.0 GHz	170 W
18.0 GHz	130 W
26.5 GHz	110 W