

.141 Coaxial Cable – 50 Ω Formable Copper-Tin Composite

EZ-FLEX.141

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∅.141" Formable Copper-Tin Composite Outer Conductor,
SPCW Center Conductor, PTFE Dielectric, 50 Ω.

Specifications

DIMENSIONS

Center Conductor Diameter	0.0360 in
Dielectric Diameter	0.1170 in
Outer Conductor Diameter	0.1410 in

MATERIALS

Center Conductor Material	SPCW
Dielectric Material	PTFE
Outer Conductor Material	Copper-Tin Composite
RoHS Compliant	Yes

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+200 °C
Inside Bend Radius (Minimum)	0.250 in
Weight	2.10 lbs per 100 ft

ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±1.0 Ω
Velocity of Propagation	70.00%
Shielding Effectiveness	>90 db
Voltage Withstanding	5000 VRMS @ 60 Hz
Continuous Working Voltage	2000 VRMS max
Maximum Operating Frequency	34 GHz

Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	8.4 db
1.0 GHz	12.2 db
5.0 GHz	30 db
10.0 GHz	46 db
18.0 GHz	67.6 db
26.5 GHz	87.2 db

Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	600 W
1.0 GHz	450 W
5.0 GHz	180 W
10.0 GHz	120 W
18.0 GHz	73 W
26.5 GHz	70 W

[Consent Preferences](#)