

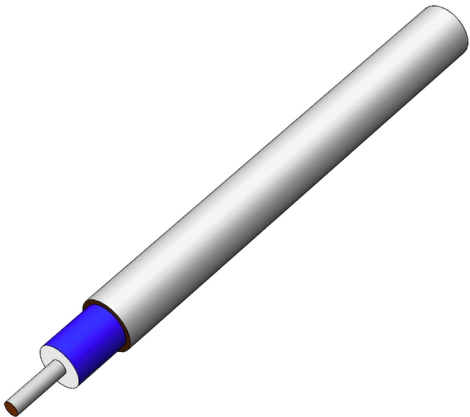
.116 Coaxial Cable – 50 Ω Semi-Rigid Tin-Plated Copper – Low-Loss, Non- Magnetic, Tape-Wrapped



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EZ-118-TP

ø.116" Semi-Rigid Tin-Plated Copper Outer Conductor, SPC
Center Conductor, PTFE Tape Dielectric, 50 Ω. Low-Loss, Non-
Magnetic, Tape-Wrapped.



Specifications

DIMENSIONS

Center Conductor Diameter	0.0320 in
Dielectric Diameter	0.0950 in
Outer Conductor Diameter	0.1160 in

MATERIALS

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

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+200 °C
Inside Bend Radius (Minimum)	0.380 in
Weight	2.30 lbs per 100 ft

ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±1.0 Ω
Velocity of Propagation	80.00%
Shielding Effectiveness	>165 db
Voltage Withstanding	3500 VRMS @ 60 Hz
Continuous Working Voltage	1400 VRMS max
Maximum Operating Frequency	47 GHz

Attenuation FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	8.2 db
1.0 GHz	12 db
5.0 GHz	29 db
10.0 GHz	41 db
18.0 GHz	59 db
26.5 GHz	70 db
40.0 GHz	90 db

Power FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	700 W
1.0 GHz	525 W
5.0 GHz	210 W
10.0 GHz	144 W
18.0 GHz	110 W
26.5 GHz	72 W
40.0 GHz	40 W