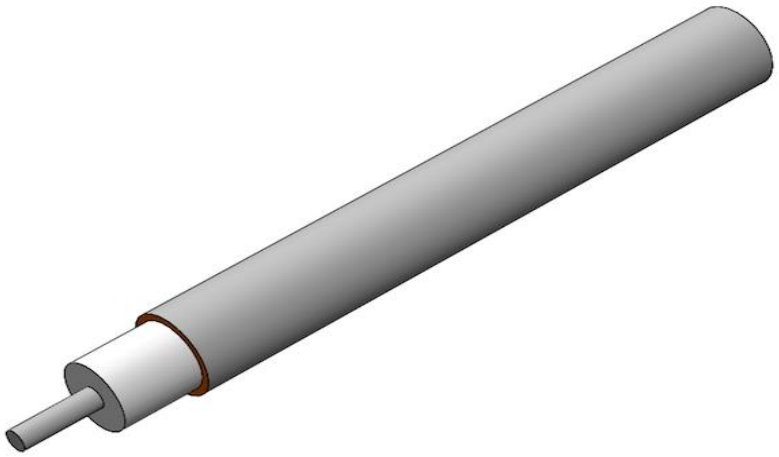
EZ FORM CABLE

AS9100 CERTIFIED

EZ-141-CU-SP

Cable Specification Sheet

This specification sheet outlines the characteristics for EZ-141-CU-SP, a 50Ω coax cable with silver plated copper center conductor and silver plated copper outer conductor.



DIMENSIONS	Units	EZ-141-CU-SP
Outer Conductor Diameter	in	0.141*
	mm	3.58*
Center Conductor Diameter	in	0.0362
	mm	0.92
Dielectric Diameter	in	0.1175
	mm	2.98

MATERIALS

Outer Conductor	Copper
Outer Conductor Plating	Silver
Dielectric	PTFE
Center Conductor	SPC
RoHS Compliant	YES

MECHANICAL CHARACTERISTICS

Temperature Range	°C	-55 to +125°C
Inside Bend Radius (Minimum)	in	0.25
	mm	6.35
Weight	lbs/100ft	3.43
	kg/100m	5.11

ELECTRICAL CHARACTERISTICS**

Nominal Impedance	Ohms	50.0 ± 1.0
Velocity of Propagation	-	69.50%
Shielding Effectiveness	db	>165
Voltage Withstanding	VRMS @ 60 Hz	5000
Continuous Working Voltage	VRMS MAX	1900
Maximum Operating Frequency	Ghz	34
Attenuation (db / 100 Ft Typical)	.5 Ghz	7.6
	1 Ghz	11.1
	5 Ghz	28.1
	10 Ghz	43.4
	18 Ghz	63.6
	26.5 Ghz	82.8
	40 Ghz	N/A
	50 Ghz	N/A
	65 Ghz	N/A
	90 Ghz	N/A
Power (Watts Cw @ 20°C, Maximum)	.5 Ghz	600
	1 Ghz	450
	5 Ghz	180
	10 Ghz	120
	18 Ghz	73
	26.5 Ghz	70
	40 Ghz	N/A
	50 Ghz	N/A
	65 Ghz	N/A
	90 Ghz	N/A

* Allow additional .001" for plating

** Applicable at ambient temperature. Contact factory for performance over temperature range.