EZ FORM CABLE
AS9100 CERTIFIED

EZ-34-CU

Cable Specification Sheet

This specification sheet outlines the characteristics for EZ-34-CU, a 50Ω coax cable with silver plated copper center conductor and copper outer conductor.

DIMENSIONS	Units	EZ-34-CU
Outer Conductor Diameter	in	0.034
	mm	0.86
Center Conductor Diameter	in	0.008
	mm	0.2
Dielectric Diameter	in	0.026
	mm	0.66

MATERIALS	
Outer Conductor	Copper
Outer Conductor Plating	None
Dielectric	PTFE
Center Conductor	SPC
RoHS Compliant	YES

MECHANICAL CHARACTERISTICS		
Temperature Range	°C	-55 to +100°C
Inside Bend Radius (Minimum)	in	0.05
	mm	1.27
Weight	lbs/100ft	0.21
	kg/100m	0.31

* Allow additional .001" for plating

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

ELECTRICAL CHARACTERISTICS**		
Nominal Impedance	Ohms	50.0 ± 3.0
Velocity of Propagation	-	69.50%
Shielding Effectiveness	db	>165
Voltage Withstanding	VRMS @ 60 Hz	2,000
Continuous Working Voltage	VRMS MAX	750
Maximum Operating Frequency	Ghz	153
Attenuation (db / 100 Ft Typical)	.5 Ghz	33.5
	1 Ghz	47.5
	5 Ghz	110
	10 Ghz	159
	18 Ghz	225
	26.5 Ghz	265
	40 Ghz	333
	50 Ghz	377
	65 Ghz	437
	90 Ghz	525
Power (Watts Cw @ 20°C, Maximum)	.5 Ghz	35
	1 Ghz	25
	5 Ghz	11
	10 Ghz	8
	18 Ghz	6
	26.5 Ghz	5
	40 Ghz	3.7
	50 Ghz	3.3
	65 Ghz	2.8
	90 Ghz	2.4