



Cable Specification Sheet

This specification sheet outlines the characteristics for EZ-86-CU-TP, a 50Ω coax cable with silver plated copper center conductor and tin plated copper outer conductor.



DIMENSIONS	Units	EZ-86-CU-TP
Outer Conductor Diameter	in	0.0865*
	mm	2.2*
Center Conductor Diameter	in	0.0201
	mm	0.51
Dielectric Diameter	in	0.066
	mm	1.676

MATERIALS

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

MECHANICAL CHARACTERISTICS

Temperature Range	°C	-55 to +125°C
Inside Bend Radius (Minimum)	in	0.125
	mm	3.18
Weight	lbs/100ft	1.4
	kg/100m	2.08

*Allow additional .001" for plating.

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

ELECTRICAL CHARACTERISTICS**

Nominal Impedance	Ohms	50.0 ± 1.5
Velocity of Propagation	-	69.50%
Shielding Effectiveness	db	>165
Voltage Withstanding	VRMS @ 60 Hz	5000
Continuous Working Voltage	VRMS MAX	1500
Maximum Operating Frequency	Ghz	60
Attenuation (db / 100 Ft Typical)	.5 Ghz	13.5
	1 Ghz	19.5
	5 Ghz	46
	10 Ghz	68
	18 Ghz	94
	26.5 Ghz	120
	40 Ghz	160
	50 Ghz	186
	65 Ghz	N/A
Power (Watts Cw @ 20°C, Maximum)	.5 Ghz	235
	1 Ghz	165
	5 Ghz	70
	10 Ghz	50
	18 Ghz	35
	26.5 Ghz	26
	40 Ghz	21
	50 Ghz	19
	65 Ghz	N/A
90 Ghz	N/A	