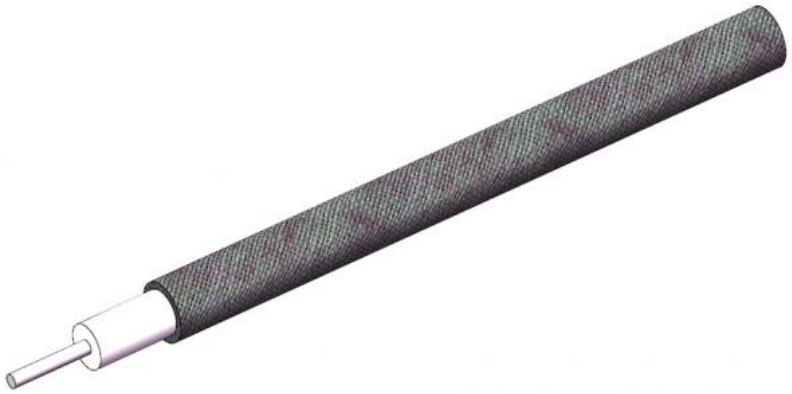
EZ FORM CABLE
AS9100 CERTIFIED

EZ-FLEX.86-CU

Cable Specification Sheet

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



DIMENSIONS	Units	EZ-FLEX.86-CU
Outer Conductor Diameter	in	0.086
	mm	2.18
Center Conductor Diameter	in	0.0201
	mm	0.51
Dielectric Diameter	in	0.66
	mm	1.67

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

MECHANICAL CHARACTERISTICS		
Temperature Range	°C	-55 to +200°C
Inside Bend Radius (Minimum)	in	0.125
	mm	3.18
Weight	lbs/100ft	1.15
	kg/100m	1.71

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

ELECTRICAL CHARACTERISTICS**		
Nominal Impedance	Ohms	50.0 ± 1.5
Velocity of Propagation	-	70.00%
Shielding Effectiveness	db	>90
Voltage Withstanding	VRMS @ 60 Hz	2500
Continuous Working Voltage	VRMS MAX	1000
Maximum Operating Frequency	Ghz	60
Attenuation (db / 100 Ft Typical)	.5 Ghz	13.2
	1 Ghz	19
	5 Ghz	45.8
	10 Ghz	68.3
	18 Ghz	97.2
	26.5 GHz	123.5
	40 Ghz	160.6
	50 Ghz	185.9
	65 Ghz	N/A
	90 Ghz	N/A
Power (Watts Cw @ 20°C, Maximum)	.5 Ghz	180
	1 Ghz	130
	5 Ghz	54
	10 Ghz	353
	18 Ghz	20
	26.5 Ghz	N/A
	40 Ghz	N/A
	50 Ghz	N/A
	65 Ghz	N/A
	90 Ghz	N/A