EZ FORM CABLE
AS9100 CERTIFIED

EZ-FLEX.141-CU

Cable Specification Sheet

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

DIMENSIONS	Units	EZ-FLEX.141-CU
Outer Conductor Diameter	in	0.141
	mm	3.58
Center Conductor Diameter	in	0.036
	mm	0.914
Dielectric Diameter	in	0.117
	mm	2.97

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	0.375
	mm	9.52
Weight	lbs/100ft	2
	kg/100m	2.97

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

ELECTRICAL CHARACTERISTICS**

Nominal Impedance	Ohms	50.0 ± 1.0
Velocity of Propagation	-	70.00%
Shielding Effectiveness	db	>90
Voltage Withstanding	VRMS @ 60 Hz	5000
Continuous Working Voltage	VRMS MAX	2000
Maximum Operating Frequency	Ghz	34
Attenuation (db / 100 Ft Typical)	.5 Ghz	11.2
	1 Ghz	16.2
	5 Ghz	39.2
	10 Ghz	59.4
	18 Ghz	85.2
	26.5 GHz	109.2
	40 Ghz	142.9
	50 Ghz	N/A
	65 Ghz	N/A
	90 Ghz	N/A
Power (Watts Cw @ 20°C, Maximum)	.5 Ghz	N/A
	1 Ghz	N/A
	5 Ghz	N/A
	10 Ghz	N/A
	18 Ghz	N/A
	26.5 Ghz	N/A
	40 Ghz	N/A
	50 Ghz	N/A
	65 Ghz	N/A
	90 Ghz	N/A