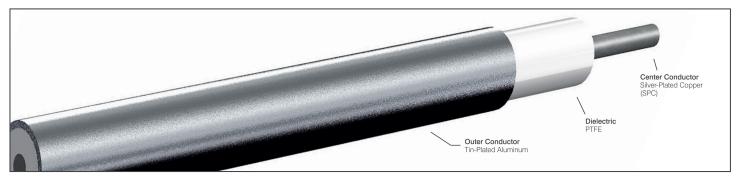
Semi-Rigid Coaxial Cables P/N UT-250C-AL-TP \mid 50 Ω Tin-Plated Aluminum Outer Conductor

INTRODUCTION



Our 50 Ω aluminum semi-rigid cables are ideal for hand forming or where weight savings is a premium. Connectors can be easily soldered to the tin-plated aluminum outer conductor.

DIMENSIONS		
Outer Conductor Diameter	in	0.250 + 0.003 /-0.002
	mm	6.350 + 0.076 /-0.051
Center Conductor Diameter	in	0.0641
Center Conductor Diameter	mm	1.6281
Longth (Maximum)	Feet	20
Length (Maximum)	Meter	6.10

MATERIALS	
Outer Conductor	Aluminum
Outer Conductor Plating	Tin
Dielectric	PTFE
Center Conductor	SPC
RoHS Compliant	✓

MECHANICAL CHARACTERISTICS*				
Outer Conductor Integrity Temp.	°C	225		
Operating Temperature (Max)	°C	225		
Inside Bend Radius (Minimum)	in	0.250		
	mm	6.350		
Moight	lbs / 100ft	6.18		
Weight	kg / 100m	9.28		

^{*} Applicable at room temperature. Con-

er	in	0.0641	Corona Extinction voltage	VRIVIS @ 60 HZ	5600
	mm	1.6281	Voltage Withstanding	VRMS @ 60 Hz	16800
F	Feet	20	Higher Order Mode Frequency	GHz	19.0
	Meter	6.10	Frequency		
				@ 0.5 GHz	4.9
				@ 1.0 GHz	7.2
	Aluminum Tin PTFE			@ 5.0 GHz	18.4
			-	@ 10.0 GHz	28.4
			Attenuation	@ 18.0 GHz	42
			(Db / 100 Ft Typical)	@ 26.5 GHz	N/A
	SPC		-	@ 40.0 GHz	N/A
	✓		J	@ 50.0 GHz	N/A
			_	@ 65.0 GHz	N/A
RACTERISTICS*			@ 90.0 GHz	N/A	
Temp.	°C	225		@ 0.5 GHz	1395.1
lax)	°C	225		@ 1.0 GHz	961.1
num)	in	0.250		@ 5.0 GHz	387.6
	mm	6.350		@ 10.0 GHz	255.3
	lbs / 100ft	6.18	Power (Watts Cw	@ 18.0 GHz	176.2
	kg / 100m	9.28	@ 20 °C, Maximum)	@ 26.5 GHz	N/A
ontact factory for performance over temperature range.				@ 40.0 GHz	N/A
				@ 50.0 GHz	N/A
				@ 65.0 GHz	N/A
				@ 90.0 GHz	N/A

Amphenol Cable & Interconnect Technologies

Learn More: Amphenol-CIT.com

ELECTRICAL CHARACTERISTICS*

ohm

pF/ft

pF/m

VBMS @ 60 Hz

50

29.0

95.2

5600

Characteristic Impedance

Corona Extinction Voltage

Capacitance

+1 (800) 458-9960