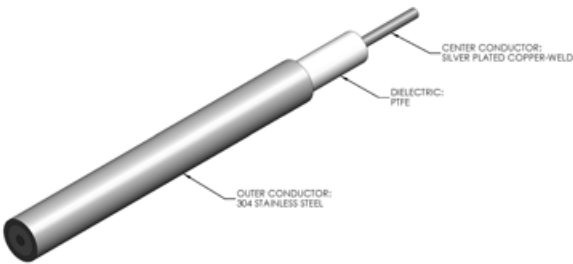


UT-085-SS

Stainless steel 50 ohm semi-rigid cables are designed for applications where low thermal heat transfer is required such as cryogenic feed cables. Because these cables also utilize a solid PTFE dielectric, they are often the first choice for highly corrosive environments.



DIMENSIONS

	UNITS	UT-085-SS
Outer Conductor Diameter	In	0.0865 ± 0.0010
	mm	2.1971 ± 0.0254
Center Conductor Diameter	In	0.0201
	mm	0.5105
length (maximum)	Feet	20
	Meter	6.10

MATERIALS

Outer Conductor		304 SS
Outer Conductor Plating		None
Dielectric		PTFE
Center Conductor		SPCW
Rohs Compliant		YES

MECHANICAL CHARACTERISTICS

Outer Conductor Integrity Temp.	°C	225
Operating Temperature (Max)	°C	200
Inside Bend Radius (Minimum)	In	0.125
	mm	3.175
Weight	lbs / 100ft	1.30
	kg / 100m	1.95

ELECTRICAL CHARACTERISTICS

Characteristic Impedance	ohm	50
Capacitance	pF / ft	29.0
	pF / m	95.2
Corona Extinction Voltage	VRMS @ 60 Hz	1800
Voltage Withstanding	VRMS @ 60 Hz	5400
Higher Order Mode Frequency	GHz	61.0
Attenuation (Db / 100 Ft Typical)	0.5 GHz	31.2
	1.0 GHz	44.4
	5.0 GHz	101.5
	10.0 GHz	146
	18.0 GHz	199.7
	26.5 GHz	246.2
	40.0 GHz	308.7
	50.0 GHz	349.5
Power (Watts Cw @ 20 °C, Maximum)	65.0 GHz	N/A
	90.0 GHz	N/A
	0.5 GHz	142.7
	1.0 GHz	100.5
	5.0 GHz	44.2
	10.0 GHz	30.9
	18.0 GHz	22.7
	26.5 GHz	18.5
	40.0 GHz	14.8
	50.0 GHz	13.1
	65.0 GHz	N/A
	90.0 GHz	N/A