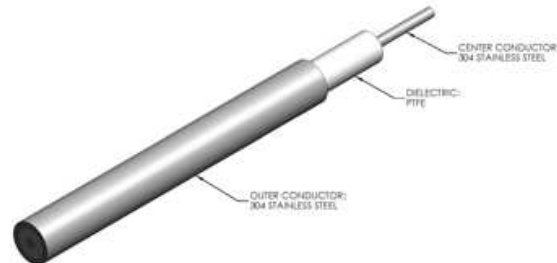


STANDARD COPPER 50 OHM SEMI-RIGID CABLES

UT-020SS-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-020SS-SS
Outer Conductor Diameter	In	0.020 ± 0.001
	mm	0.508 ± 0.025
Center Conductor Diameter	In	0.0045
	mm	0.1143
length (maximum)	Feet	10
	Meter	3.05

MATERIALS

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

MECHANICAL CHARACTERISTICS

Outer Conductor Integrity Temp.	°C	175
Operating Temperature (Max)	°C	150
Inside Bend Radius (Minimum)	In	0.250
	mm	6.350
Weight	lbs / 100ft	0.07
	kg / 100m	0.11

ELECTRICAL CHARACTERISTICS

Characteristic Impedance	ohm	50
Capacitance	pF/ ft	29.0
	pF/ m	95.2
Corona Extinction Voltage	VRMS @ 60 Hz	400
Voltage Withstanding	VRMS @ 60 Hz	1200
Higher Order Mode Frequency	GHz	270.0
Attenuation (Db / 100 Ft Typical)	0.5 GHz	389.4
	1.0 GHz	550.9
	5.0 GHz	1234.2
	10.0 GHz	1747.8
	18.0 GHz	2348.8
	26.5 GHz	2853.8
	40.0 GHz	3512.3
	50.0 GHz	3931.3
Power (Watts Cw @ 20 °C, Maximum)	65.0 GHz	4489
	90.0 GHz	5293.4
	0.5 GHz	2.6
	1.0 GHz	1.8
	5.0 GHz	0.8
	10.0 GHz	0.6
	18.0 GHz	0.4
	26.5 GHz	0.4
	40.0 GHz	0.3
	50.0 GHz	0.3
65.0 GHz	0.2	
90.0 GHz	0.2	



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