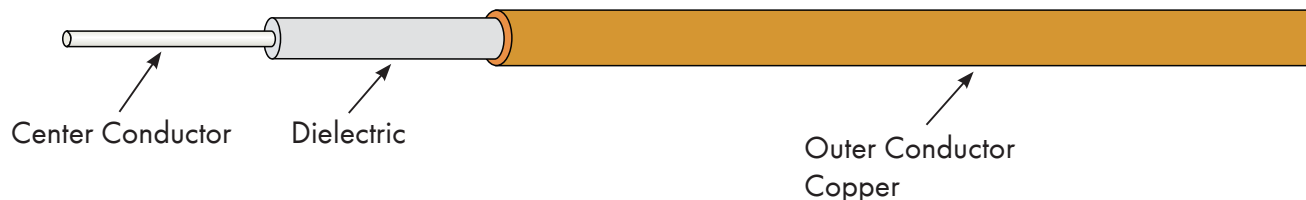




Coaxial Cable
50 Ω - PTFE - Semi Rigid Microwave Cable

RSR-031-LL



DIMENSIONS

	UNITS	RSR-031-LL
Outer Conductor Diameter	in	0.031 ± 0.001
	mm	0.787 ± 0.025
Center Conductor Diameter	in	0.0080
	mm	0.2032

MATERIALS

Outer Conductor Diameter	Copper
Outer Conductor Plating	None
Dielectric	LD PTFE
Center Conductor Diameter	SPCW
Rohs Compliant	YES

MECHANICAL DATA *

	UNITS	RSR-031-LL
Outer Conductor Integrity Temp.	°C	250
Operating Temperature (Max.)	°C	250
Inside Bend Radius (Minimum)	in	0.063
	mm	1.600
Weight	lbs / 100ft	0.17
	kg / 100m	0.26

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

ELECTRICAL DATA *

	UNITS	RSR-031-LL
Impedance	ohm	50
Capacitance	pf / ft	26.5
	pf / m	86.8
Corona Extinction Voltage	VRMS @ 60 Hz	600
Voltage Withstanding	VRMS @ 60 Hz	1800
Cutoff Frequency	GHz	180.0
Attenuation (dB / 100 Ft Typical)	0.5 GHz	35.4
	1.0 GHz	50.0
	5.0 GHz	112.6
	10.0 GHz	160.1
	18.0 GHz	205.4
	26.5 GHz	250.3
	40.0 GHz	309.3
	50.0 GHz	347.1
Attenuation (dB / 100 M Typical)	65.0 GHz	397.7
	90.0 GHz	471.3
	0.5 GHz	116.2
	1.0 GHz	164.1
	5.0 GHz	369.3
	10.0 GHz	525.4
	18.0 GHz	673.7
	26.5 GHz	821.0
Power (Watts Cw @ 20 °C, Maximum)	40.0 GHz	1014.5
	50.0 GHz	1138.5
	65.0 GHz	1304.5
	90.0 GHz	1545.9
	0.5 GHz	60.0
	1.0 GHz	42.3
	5.0 GHz	18.5
	10.0 GHz	13.0
Power (Watts Cw @ 20 °C, Maximum)	18.0 GHz	9.88
	26.5 GHz	8.06
	40.0 GHz	6.55
	50.0 GHz	5.81
	65.0 GHz	5.03
	90.0 GHz	4.1