

# Leaky Cable

## HLCTY(C)-50-32 (1-1/4")



Construction		
	Material	Diameter(mm)
Inner Conductor	Smooth Copper Tube	13.1
Dielectric	Foamed PE	33.3
Outer Conductor	Corrugated Copper Tube With Two Double Row Milled Slots	36.0
Jacket	PE or Low Smoke Halogen-free Fire-retardant PE	38.6
Electrical & Mechanical Properties		
Impedance (Ohm)		50
Capacitance(pF/m)		76
Velocity(%)		88
Insulation Resistance(M $\Omega$ . km)		>5000
Cut-off Frequency(GHz)		2.4
Insulation Voltage(kv)		10
Inner Conductor DC Resistance( $\Omega$ /km)		0.50
Outer Conductor DC Resistance( $\Omega$ /km)		0.55
Jacket Spark(kv)		10
Min. Single Bending Radius(mm)		150
Tensile Strength(kg)		290
Storage Temp.( $^{\circ}$ C)		-55~+85
Installation Temp.( $^{\circ}$ C)		-40~+60
Operating Temp.( $^{\circ}$ C)		-55~+85
	Frequency	dB
VSWR $\leq$ (Return loss $\geq$ dB)	0.005—3GHz	1.15 (23)
	0.8—1.0GHz	1.15 (23)
	1.7—2.0GHz	1.20 (21)
	2.0—2.4GHz	1.20 (21)

Attenuation & Coupling Loss

Frequency(MHz)	Attenuation(dB/100m)	Coupling Loss (50% / 95% dB)
75	0.80	61/71
150	1.10	64/74
450	2.50	75/85
800	3.30	76/86
900	3.50	76/86
1800	5.00	77/87
2200	5.90	77/87
2400	6.50	78/88