

Leaky Cable

HLCTY(C)-50-22 (7/8")



Construction		
	Material	Diameter(mm)
Inner Conductor	Smooth Copper Tube	9.0
Dielectric	Foamed PE	22.5
Outer Conductor	Corrugated Copper Tube With Two Double Row Milled Slots	24.9
Jacket	PE or Low Smoke Halogen-free Fire-retardant PE	27.7
Electrical & Mechanical Properties		
Impedance (Ohm)		50
Capacitance(pF/m)		76
Velocity(%)		88
Insulation Resistance(M Ω . km)		>5000
Cut-off Frequency(GHz)		2.4
Insulation Voltage(kv)		10
Inner Conductor DC Resistance(Ω /km)		1.00
Outer Conductor DC Resistance(Ω /km)		1.20
Jacket Spark(kv)		8.0
Min. Single Bending Radius(mm)		90
Tensile Strength(kg)		144
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	1.20	62/72
150	1.70	65/75
450	3.10	71/81
800	4.30	75/85
900	4.60	77/87
1800	6.90	80/89
2200	7.80	80/88
2400	8.60	80/89