

Leaky Cable

HLCAY(C)-50-12 (1/2")



Construction		
	Material	Diameter(mm)
Inner Conductor	Copper Clad Aluminum Wire	4.8
Dielectric	Foamed PE	12.3
Outer Conductor	Corrugated Copper Tube With Two Double Row Milled Slots	13.8
Jacket	PE or Low Smoke Halogen-free Fire-retardant PE	15.7
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)		6
Inner Conductor DC Resistance(Ω /km)		1.48
Outer Conductor DC Resistance(Ω /km)		2.10
Jacket Spark(kv)		8.0
Min. Single Bending Radius(mm)		50
Tensile Strength(kg)		100
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	2.00	67/77
150	2.90	69/78
450	5.30	68/78
800	7.30	70/80
900	7.90	70/80
1800	12.00	77/86
2200	13.50	78/87
2400	14.10	78/87