

# Leaky Cable

## HLHTY(C)-50-42 (1-5/8")



Construction		
	Material	Diameter(mm)
Inner Conductor	Helical Corrugated Copper Tube	17.5
Dielectric	Foamed PE	43.5
Outer Conductor	Corrugated Copper Tube With Two Double Row Milled Slots	46.5
Jacket	PE or Low Smoke Halogen-free Fire-retardant PE	49.5
Electrical & Mechanical Properties		
Impedance (Ohm)		50
Capacitance(pF/m)		76
Velocity(%)		88
Insulation Resistance(M $\Omega$ . km)		>5000
Cut-off Frequency(GHz)		2.8
Insulation Voltage(kv)		15
Inner Conductor DC Resistance( $\Omega$ /km)		0.85
Outer Conductor DC Resistance( $\Omega$ /km)		0.40
Jacket Spark(kv)		10
Min. Single Bending Radius(mm)		200
Tensile Strength(kg)		170
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	0.60	68/78
150	0.80	71/81
450	1.90	75/85
800	2.60	75/85
900	2.70	75/84
1800	4.40	77/86
2200	5.10	77/86
2400	5.50	77/86