

Leaky Cable

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



Construction		
	Material	Diameter(mm)
Inner Conductor	Smooth Copper Tube	9.0
Dielectric	Foamed PE	22.5
Outer Conductor	Overlapping Copper Foil With Slots	22.8
Jacket	PE or Low Smoke Halogen-free Fire-retardant PE	27.2
Electrical & Mechanical Properties		
Impedance (Ohm)		50
Capacitance(pF/m)		76
Velocity(%)		88
Insulation Resistance(M Ω . km)		>5000
Cut-off Frequency(GHz)		1.0
Insulation Voltage(kv)		10
Inner Conductor DC Resistance(Ω /km)		1.00
Outer Conductor DC Resistance(Ω /km)		2.80
Jacket Spark(kv)		8.0
Min. Single Bending Radius(mm)		250
Tensile Strength(kg)		144
Storage Temp.($^{\circ}$ C)		-55~+85
Installation Temp.($^{\circ}$ C)		-40~+60
Operating Temp.($^{\circ}$ C)		-55~+85
VSWR \leq (Return loss \geq dB)	Frequency	dB
	0.3—0.5GHz	1.20 (21)
	0.8—1.0GHz	1.20 (21)
Attenuation & Coupling Loss		
Frequency(MHz)	Attenuation(dB/100m)	Coupling Loss (50% / 95% dB)
150	1.70	68/80
450	3.30	69/78
800	5.10	64/74
900	5.30	63/73