

LT-A-C40UL—40GHz ultra low loss phase stable flexible cable

Construction

Electrical Specification

Attenuation and Power Handling

@+25°C and sea level

Item	Dimension(mm)	Material
Center conductor	1.06	Silver-plated copper
Dielectric	2.82	LD PTFE
inner Shield	3.00	Silver plated copper strip
Outer Shield	3.45	silver-plated copper braid
Jacket	4.00	FEP

Frequency(GHz)	40
Impedence(Ohms)	50
Velocity	84%
Shielding effectiveness(dB)	90
Operation Voltage(V,DC)	1000
Mechanical Phase (°)	5°@40GHz
(Wrapped 360° around a 40mm diameter mandrel)	
Phase Change vs . Temp (PPM @-40°C-85°C)	750

Frequency MHz	dB/100m	Ave Power
300	16.55	0.940
1000	30.35	0.512
3000	52.96	0.294
6000	75.45	0.206
10000	98.11	0.159
12000	107.79	0.144
16000	125.14	0.124
18000	133.05	0.117
26500	162.88	0.095
35000	188.60	0.082
40000	202.43	0.077



Mechanical Specification

Bend Radius (mm)	20
weight (g/M)	37
Temperature(°C)	-55~+165