

LL (Low Loss) Coaxial Cable

-solid center conductors



Construction:

- Center Conductor: Solid silver plated copper
- Dielectric: Expanded PTFE tape
- Inner Braid: Flat silver plated copper strip
- Interlayer: Aluminum polyester or polyimide tape
- Outer Braid: Round silver plated copper
- Jacket: FEP, translucent colors, solid colors or clear

- Operating temperature -55 +200° C
- Velocity of Propagation 80%-83%
- Impedance 50 Ohms
- Capacitance 25.0 pF/ft
- Shielding Effectiveness <-95 dB

	LL120	LL160	LL142	LL235	LL335	LL335i
Center conductor diameter	.0286"	.0403"	.051"	.057"	.089"	.089"
Dielectric diameter	.080"	.110"	.145"	.160"	.250"	.250"
Diameter over inner braid	.086"	.116"	.152"	.170"	.255"	.255"
Diameter over interlayer	.092"	.122"	.158"	.175"	.261"	.261"
Diameter over outer braid	.108"	.140"	.178"	.191"	.280"	.277"
Overall diameter	.120"	.160"	.195"	.235"	.332"	.300"
Weight(lbs/mft)	17	28	44	48	100	76
Bend radius	0.6"	0.8"	1.0"	1.2"	1.7"	1.5"
Attenuation (dB/100ft) @	Typ	Typ	Typ	Typ	Typ	Typ
400 MHz	8.3	6.3	4.7	4.2	2.9	2.9
1 GHz	13.1	10.0	7.5	6.7	4.6	4.6
2 GHz	18.7	14.3	10.7	9.6	6.6	6.6
3 GHz	23.0	17.7	13.2	11.9	8.2	8.2
5 GHz	29.9	23.1	17.2	15.5	10.8	10.8
10 GHz	42.8	33.4	24.9	22.5	15.8	15.8
18 GHz	58.2	46.0	34.2	31.0	21.9	21.9

See HF Low Loss Coax product pages for LL160-40GHz and LL142-26GHz cables with guaranteed attenuation and VSWR performance at frequencies above 18GHz.