



## LL (Low Loss) COAXIAL CABLES DIMENSIONAL DETAILS

Part Number	Conductor Diameter Inches (mm)	Dielectric Diameter Inches (mm)	Inner Braid Inches (mm)	Interlayer Inches (mm)	Outer Braid Inches (mm)	Overall Diameter Inches (mm)	Weight Lbs/kft (kg/km)	Bend Radius Inches (mm)
LL120	0.0285 (0.72)	0.080 (2.03)	0.086 (2.18)	0.092 (2.33)	0.108 (2.74)	0.120 (3.04)	17 (25.35)	0.6 (15.24)
LL160	0.0403 (1.02)	0.145 (2.79)	0.116 (2.94)	0.122 (3.09)	0.140 (3.55)	0.160 (4.06)	21 (31.31)	0.8 (20.32)
LL142	0.051 (1.29)	0.145 (3.68)	0.152 (3.86)	0.158 (4.01)	0.174 (4.41)	0.195 (4.95)	44 (65.62)	1.0 (25.40)
LL142STR	7/0.017 (7/0.43)	0.138 (3.50)	0.146 (3.70)	0.151 (3.83)	0.167 (4.24)	0.195 (4.95)	44 (65.62)	1.0 (25.40)
LL235	0.057 (1.44)	0.160 (4.06)	0.170 (4.31)	0.175 (4.44)	0.191 (4.85)	0.235 (5.96)	48 (71.59)	1.2 (30.48)
LL270STR	7/0.23 (7/0.58)	0.185 (4.70)	0.195 (4.95)	0.200 (5.08)	0.220 (5.58)	0.270 (6.85)	70 (104.40)	1.4 (35.56)
LL335	0.089 (2.26)	0.250 (6.35)	0.255 (6.47)	0.261 (6.62)	0.280 (7.11)	0.335 (8.50)	100 (149.13)	1.7 (43.18)
LL335i	0.089 (2.26)	0.250 (6.35)	0.255 (6.47)	0.261 (6.62)	0.277 (7.03)	0.300 (7.62)	76 (113.34)	1.5 (38.10)
LL450STR	7/0.048 (7/1.22)	0.360 (9.14)	0.368 (9.34)	0.374 (9.50)	0.394 (10.00)	0.450 (11.43)	165 (246.07)	2.2 (55.88)
LL480STR	7/0.054 (7/1.37)	0.420 (10.66)	0.432 (10.97)	-----	0.452 (11.48)	0.480 (12.19)	197 (293.80)	2.4 (60.96)

### Construction:

Centre Conductor :	Solid or Stranded Silver Plated Copper	Operating Temperature :	-55 +200C
Dielectric :	Expanded PTFE tape	Velocity of Propagation :	80%-83%
Inner Braid :	Flat Silver Plated Copper Strip	Impedance :	50 ohms
Inter Layer :	Aluminium Polyester Tape	Capacitance :	25.0 pF/ft (82.0 pF/m)
Outer Braid :	Round Silver Plated Copper	Shielding Effectiveness :	<-95 dB