








- **Low Loss cable, many sizes: LMR 195, LMR 240, LMR 400, LMR 600**
- **Support various conetcor type: RP-TNC, N-type, TNC, SMA, RP-SMA, Mini-UHF, UHF & PL-295**

The Low loss cable is great for permanently installed short pigtailed. It's necessary for the solutions required the minimum loss data in some special device as RFID device, Audio device, CCTV device.... It has outside diameter and features a solid center conductor for greatest performance, foam dielectric and double shielding for low signal loss and interference rejection, combined with UV resistant Polyethylene jacket.

- Lightweight, Flexible
- Polyethylene Jacket, UV Protection
- Direct Burial Rated
- Solid Center Conductor
- 50 ohm
- 98% tinned copper braid, plus 100% aluminum foil shield

RF Low Loss Coaxial Cable – 50 Ohms

Specifications						
Impedance: 50 Ohms Foamed Polyethylene Dielectric 100% Bonded Aluminum Foil Tinned Copper Braid – CuSn Foot Markings						
Cable Type		Low Loss 195	Low Loss 240-FLEX	Low Loss 400	Low Loss 400-FLEX	Low Loss 600
Center Conductor	Ø inches	0.037" Solid BC	19 x 0.011" BCSW	0.108" Solid CCA	7 x 0.036" BCSW	0.18" Solid CCA
Insulation	Ø inches	0.110" FPE	0.154" FPE	0.285" FPE	0.285" FPE	0.46" FPE
1st Shielding		Bonded Alum Foil	Bonded Alum Foil	Bonded Alum Foil	Bonded Alum Foil	Bonded Alum Foil
Outer Braid		Tinned Copper Braid	Tinned Copper Braid	Tinned Copper Braid	Tinned Copper Bra	Tinned Copper Braid
Outer Jacket	Ø inches	0.195" PE	0.242" PE	.405" PE	.405" TPE	0.59" PE
Bending Radius (Installation)	inches	1/2"	1/2"	1"	1"	1 1/2"
Bending Radius (Repeated)	inches	2"	2"	4"	4"	6"
Attenuation (Avg Power)						
Attenuation : dB/100ft	27 Mhz	1.87 (870)	1.52 (1310)	0.642 (3510)	0.77 (2930)	0.40 (5810)
Avg Power: Watts	30 Mhz	1.98 (820)	1.60 (1240)	0.67 (3330)	0.87 (2770)	0.43 (5510)
	50 Mhz	2.56 (680)	2.07 (960)	0.88 (2570)	1.12 (2140)	0.55 (4240)
	150 Mhz	4.45 (390)	3.62 (550)	1.52 (1470)	1.95 (1220)	0.98 (2410)
	220 Mhz	5.39 (320)	4.40 (450)	1.86 (1200)	2.37 (1000)	1.19 (1970)
	450 Mhz	7.77 (220)	6.34 (310)	2.71 (830)	3.43 (690)	1.71 (1350)
	900 Mhz	11.13 (160)	9.07 (220)	3.9 (580)	4.93 (480)	2.5 (930)
	1500 Mhz	14.54 (120)	11.85 (170)	5.12 (440)	6.46 (360)	3.32 (700)
	1800 Mhz	16.00 (110)	13.04 (150)	5.67 (400)	7.14 (330)	3.69 (630)
	2000 Mhz	16.89 (100)	13.78 (140)	5.97 (370)	7.55 (310)	3.9 (590)
	2500 Mhz	19.02 (90)	15.52 (130)	6.76 (330)	8.51 (280)	4.42 (520)
	5800 Mhz	29.90 (60)	24.42 (80)	10.8 (210)	13.0 (170)	7.3 (320)
Impedence	Ω	50	50	50	50	50
DC Resistance (Center)	Ω/1000ft	7.6	6.4	1.39	1.07	0.53
DC Resistance (Outer)	Ω/1000ft	4.9	4.1	1.65	1.65	1.2
Dielectric Constant		1.6	1.5	1.38	1.38	1.32
Velocity Factor	%	80%	84%	85%	85%	87%
Capacitance	pF/ft	25.4	24.38	23.9	23.9	23.4
Life Expectancy	Years	20+	20+	20+	10+	20+
Operating Temperature Range	F	-40 / +185	-40 / +185	-40 / +185	-40 / +185	-40 / +185
Direct Burial?		YES	YES	YES	NO	YES