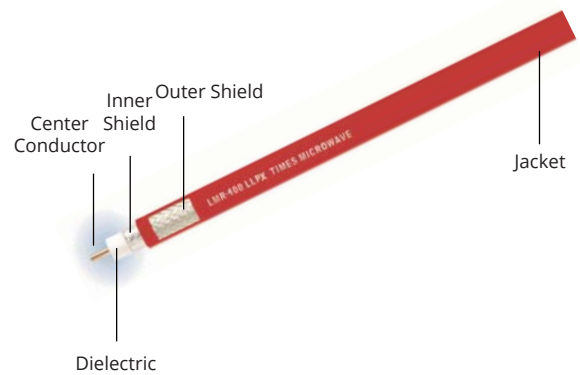


LMR-LLPX Cables

Cable Feature:

Flexibility	Not Good
Attenuation	Low
Power Handling	High
Temperature	High
Connector Availability	Very Good



	LMR-400-LLPX		LMR-500-LLPX		LMR-600-LLPX		LMR-900-LLPX		LMR-1200-LLPX	
AA Drawing Number	AA-11929		AA-11930		AA-11931		AA-11932		AA-11933	
Stock Code	54470		54460		54461		54462		54463	
Physical Specifications										
Description	in (mm)		in (mm)		in (mm)		in (mm)		in (mm)	
Center Conductor	Solid BCCAl		Solid BCCAl		Solid BCCAl		BC Tube		BC Tube	
	0.095 (2.41)		0.121 (3.07)		0.150 (3.81)		0.227 (5.77)		0.310 (7.87)	
Dielectric	PTFE		PTFE		PTFE		PTFE		PTFE	
	0.285 (7.24)		0.370 (9.40)		0.455 (11.56)		0.680 (17.27)		0.920 (23.37)	
Inner Shield	AL Tape		AL Tape		AL Tape		AL Tape		AL Tape	
	0.291 (7.39)		0.376 (9.55)		0.461 (11.71)		0.686 (17.42)		0.926 (23.52)	
Outer Shield	TC		TC		TC		TC		TC	
	0.320 (8.13)		0.405 (10.29)		0.490 (12.45)		0.732 (18.59)		0.972 (24.69)	
Jacket	Red KYNAR		Red KYNAR		Red KYNAR		Red KYNAR		Red KYNAR	
	0.370 (9.40)		0.465 (11.81)		0.565 (14.38)		0.802 (20.36)		1.05 (26.66)	
Mechanical Specifications										
Bend Radius	4.0 (101.6)		5.0 (127.0)		6.0 (152.4)		9.0 (228.6)		12.0 (304.8)	
Weight	0.104 lb/ft		0.170 lb/ft		0.210 lb/ft		0.480 lb/ft		0.620 lb/ft	
Operating Temperature Range	-40/+125C		-40/+125C		-40/+125C		-40/+125C		-40/+125C	
Electrical Specifications										
Impedance	50 ohms		50 ohms		50 ohms		50 ohms		50 ohms	
Shielding Effectiveness	90 dB		90 dB		90 dB		90 dB		90 dB	
Dielectric Constant	1.73		1.73		1.73		1.73		1.73	
Velocity of Propagation	0.76		0.76		0.76		0.76		0.76	
Capacitance	26.7pF/ft		26.7pF/ft		26.7pF/ft		26.7pF/ft		26.7pF/ft	
Voltage Withstand (kV DC)	2.5		3		4		5		6	
Attenuation: dB/100ft (100m) +25 C Ambient; Sea Level										
13.56 MHz	0.48	1.57	0.37	1.22	0.30	0.99	0.21	0.70	0.16	0.51
50 MHz	0.92	3.02	0.72	2.35	0.58	1.91	0.41	1.36	0.30	1.00
100 MHz	1.31	4.28	1.02	3.34	0.83	2.72	0.59	1.94	0.44	1.43
1000 MHz	4.23	13.87	3.32	10.88	2.72	8.92	1.99	6.54	1.50	4.93
1500 MHz	5.22	17.12	4.10	13.45	3.37	11.06	2.49	8.17	1.89	6.20
2000 MHz	6.07	19.90	4.78	15.66	3.93	12.90	2.92	9.59	2.23	7.32
2500 MHz	6.82	22.38	5.38	17.64	4.43	14.54	3.32	10.88	2.54	8.34
3000 MHz	7.51	24.64	5.93	19.45	4.90	16.06	3.68	12.08	2.83	9.30
K1	0.129138		0.100255		0.081389		0.057220		0.041720	
K2	0.000146		0.000146		0.000146		0.000183		0.000183	
Power (kW)										
+25C ambient, sea level	max rating	60°C jacket	max rating	60°C jacket	max rating	60°C jacket	max rating	60°C jacket	max rating	60°C jacket
13.56 MHz	24.00	5.90	37.00	8.00	51.00	12.00	80.00	23.00	150.00	38.00
50 MHz	12.00	3.00	19.00	4.60	26.00	6.50	43.00	12.00	78.00	19.00
100 MHz	8.00	2.10	13.00	3.20	18.00	4.60	30.00	8.00	54.00	13.00
1000 MHz	2.70	0.67	4.10	1.00	5.70	1.40	9.00	2.50	15.00	4.00
1500 MHz	2.20	0.54	3.30	0.80	4.60	1.10	7.20	2.00	12.00	3.20
2000 MHz	1.90	0.47	2.90	0.70	3.90	0.90	6.10	1.70	10.00	2.70
2500 MHz	1.70	0.42	2.50	0.62	3.50	0.80	5.40	1.50	9.00	2.30
3000 MHz	1.50	0.38	2.30	0.56	3.10	0.78	4.80	1.30	8.00	2.10