





1/4" CELLFLEX® Low loss Flexible Cable

Recommended / Maximum Clamp Spacing, m (ft)	0.5 / 1.0 (1.75 / 3.25)
Impedance, Ohm	50 +/- 1.5
Maximum Frequency, GHz	15.8
Velocity, percent	83
Capacitance, pF/m (pF/ft)	80 (24)
Inductance, µH/m (µH/ft)	0.205 (0.063)
Peak Power Rating, kW	10.9
RF Peak Voltage, Volts	1050
Jacket Spark, Volt RMS	5000
Inner Conductor dc Resistance, ohm/1000 m (ohm/1000 ft)	6.1 (1.86)
Outer Conductor dc Resistance, ohm/1000 m (Ohm/1000 ft)	4.4 (1.34)
Maximum Return Loss, dB (VSWR)	Contact RFS for your VSWR performance specification for your required frequency band.
Installation Temperature, °C(°F)	-40 to +60 (-40 to +140)
Storage Temperature, °C (°F)	-70 to +85 (-94 to +185)
Operation Temperature, °C(°F)	-50 to +85 (-58 to +185)
Phase Stabilized	Phase stabilized and phase matched cables and assemblies are available upon request.
Applications	OEM jumpers, BTS inter-cabinet connections, GPS lines, Microwave IF cabling
<b>Notes</b>	
Phase stabilized versions available upon request.	



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**LCF14-50J/JFN ATTENUATION AND AVERAGE POWER**

Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft.	Average Power kW
0.5	0.291	0.089	10.9
1	0.412	0.126	10.9
1.5	0.505	0.154	10.9
2	0.583	0.178	10.9
10	1.31	0.399	5.6
20	1.86	0.566	3.9
30	2.28	0.695	3.2
50	2.95	0.900	2.5
88	3.94	1.20	1.9
100	4.20	1.28	1.7
108	4.37	1.33	1.7
150	5.17	1.58	1.4
174	5.58	1.70	1.3
200	6.00	1.83	1.2
300	7.40	2.25	0.985
400	8.59	2.62	0.848
450	9.13	2.78	0.798
500	9.65	2.94	0.755
512	9.77	2.98	0.745
600	10.6	3.24	0.686
700	11.5	3.51	0.632
800	12.4	3.77	0.589
824	12.6	3.83	0.580
894	13.1	4.00	0.556
900	13.2	4.01	0.554
925	13.4	4.07	0.546
960	13.6	4.15	0.535
1000	13.9	4.24	0.523
1250	15.7	4.78	0.464
1500	17.3	5.27	0.421
1700	18.5	5.64	0.393
1800	19.1	5.82	0.381
2000	20.2	6.17	0.360
2100	20.8	6.33	0.351
2200	21.3	6.49	0.342
2400	22.3	6.81	0.326
3000	25.3	7.71	0.288
3500	27.5	8.40	0.265
4000	29.7	9.05	0.245
4900	33.3	10.1	0.219
6000	37.4	11.4	0.195
7000	40.8	12.4	0.178
8000	44.1	13.5	0.165
9000	47.3	14.4	0.154
10000	50.3	15.3	0.145
12000	56.1	17.1	0.130
14000	61.5	18.8	0.118
15800	66.2	20.2	0.110

Standard Conditions:

For attenuation: VSWR 1.0, cable temperature 20° C (68° F).

For average power: VSWR 1.0, ambient temperature 40° C (104°F),  
inner conductor temperature 100° C (212° F). No solar loading.