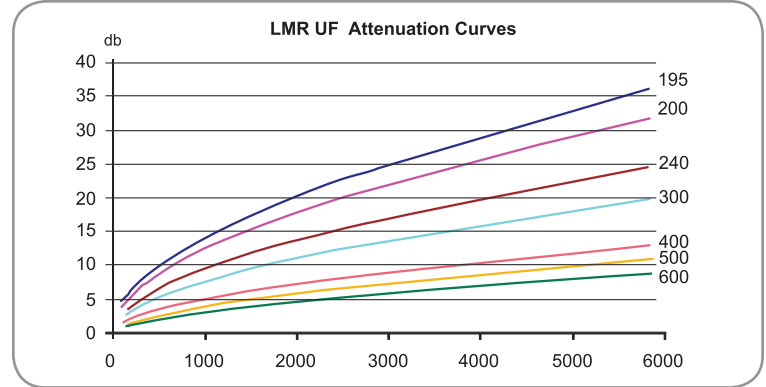




# Times Microwave LMR™ UF “Ultra Flexible” Low-Loss Coax for Wireless Applications



- More flexible stranded conductor
- 90db shielding/very low attenuation
- “TPE” Rubber jacket, foam dielectric
- Optimized for Wireless, GPS, Cellular PCS
- SRC offers more connector options



LMR™ UltraFlex	195	200	240	300	400	500	600
<b>Center Conductor</b>	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper
Dimension in. (mm)	.038 (.97)	.044 (1.12)	.056 (1.42)	.070 (1.78)	.108 (2.74)	.142 (3.61)	.176 (4.47)
Dielectric	Foam PE	Foam PE	Foam PE	Foam PE	Foam PE	Foam PE	Foam PE
Outer Conductor	Al Tape	Al Tape	Al Tape	Al Tape	Al Tape	Al Tape	Al Tape
Braid	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu
Jacket	TPE Rubber	TPE Rubber	TPE Rubber	TPE Rubber	TPE Rubber	TPE Rubber	TPE Rubber
Bend Rad. in. (mm)	0.5 (12.7)	0.5 (12.7)	0.75 (19.1)	0.875 (22.2)	1.0 (25.4)	1.25 (31.8)	1.50 (38.1)
Rptd Bend Rad. in. (mm)	2.0 (50.8)	2.0 (50.8)	2.5 (63.5)	3.0 (76.2)	4.0 (101.6)	5.0 (127.0)	3.0 (76.2)
Outside Rad. in. (mm)	.195 (4.95)	.195 (4.95)	.240 (6.10)	.300 (7.62)	.405 (10.29)	.500 (12.7)	.590 (14.99)
Impedance	50	50	50	50	50	50	50
Velocity of Propagation	80%	83%	84%	85%	85%	85%	87%
Capacitance (@1GHz)	16.9	24.5	24.2	23.9	23.9	23.9	23.4
Max Voltage vrms	1000	1000	1500	2000	2500	2500	4000
Shielding (dB)	>90	>90	>90	>90	>90	>90	>90
Temperature range °C	-40+85	-40+85	-40+85	-40+85	-40+85	-40+85	-40+85
Cutoff Freq (GHz)	41	39	31	25	16.2	12	10
<b>Attenuation (dB/100 ft)</b>							
150MHz	5.3	4.8	3.6	2.9	1.8	1.5	1.2
450MHz	9.3	8.3	6.3	5.1	3.3	2.6	2.1
900MHz	13.2	11.9	9.1	7.3	4.7	3.8	3.0
1800MHz	19.0	17.1	13.0	10.5	6.8	5.5	4.4
2500MHz	22.6	20.2	15.5	12.5	8.1	6.6	5.3
5800MHz	35.6	31.6	24.4	19.8	13.0	10.6	8.7
<b>Power (kW)</b>							
150MHz	0.35	0.42	0.55	0.77	1.22	1.61	2.00
450MHz	0.20	0.24	0.31	0.44	0.69	0.91	1.12
900MHz	0.14	0.17	0.22	0.30	0.48	0.63	0.77
1800MHz	0.09	0.12	0.15	0.21	0.33	0.43	0.52
2500MHz	0.08	0.10	0.13	0.18	0.28	0.36	0.43
5800MHz	0.05	0.06	0.08	0.11	0.17	0.22	0.26

Insertion loss is critically dependent upon the connector style, fabrication and mating assembly procedure, so SRC also offers better electrical performance, durability and reliability with soldered termination as well as crimp style connections. SRC can configure a custom solution or 'pre-kit' field installation kits with a variety of connector types, including: BNC, UHF, F, HN, LC, 7/8 EIA, 7/16 DIN, QDS. If your application demands a more unique or higher performance termination, we also offer: SMA, TNC and N connectors.