

RF Flexible 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 400	Low Loss 400-FLEX	Low Loss 600
SKU	By The Foot	LL195B	LL400B	LL400-FLEX-BTF	LL600B
SKU	500' Reel	N/A	LL400B500	LL400-FLEX-B500	LL600B500
SKU	1000' Reel	LL195B1000	LL400B1000	N/A	N/A
SKU	Assembly w/ Connectors	LL195	LL400	LL400-FLEX	LL600
Center Conductor	Ø mm	0.94 Solid BC	2.74 Solid CCA	7 / 0.91 BCSW (stranded)	4.47 Solid CCA
Insulation	Ø mm	2.8	7.24	7.24	11.56
1 st Shielding		Bonded Aluminum Foil	Bonded Aluminum Foil	Bonded Aluminum Foil	Bonded Aluminum Foil
Outer Braid		Tinned Copper Braid	Tinned Copper Braid	Tinned Copper Braid	Tinned Copper Braid
Outer Jacket	Ø inches	3/16" PE	3/8" PE	3/8" TPE	0.59" PE
Bending Radius (Installation)	inches	1/2"	1"	1"	1 1/2"
Bending Radius (Repeated)	inches	2"	4"	4"	6"
Attenuation : dB/100ft Avg Power: Watts		Attenuation (Avg Power)	Attenuation (Avg Power)	Attenuation (Avg Power)	Attenuation (Avg Power)
	27 Mhz	1.87 (870)	0.642 (3510)	0.77 (2930)	0.40 (5810)
	30 Mhz	1.98 (890)	0.67 (3330)	0.87 (2770)	0.43 (5510)
	50 Mhz	2.56 (680)	0.88 (2570)	1.12 (2140)	0.55 (4240)
	150 Mhz	4.45 (390)	1.52 (1470)	1.95 (1220)	0.98 (2410)
	220 Mhz	5.39 (320)	1.86 (1200)	2.37 (1000)	1.19 (1970)
	450 Mhz	7.77 (220)	2.71 (830)	3.43 (690)	1.71 (1350)
	900 Mhz	11.13 (160)	3.9 (580)	4.93 (480)	2.5 (930)
	1500 Mhz	14.54 (120)	5.12 (440)	6.46 (360)	3.32 (700)
	1800 Mhz	16.00 (110)	5.67 (400)	7.14 (330)	3.69 (630)
	2000 Mhz	16.89 (100)	5.97 (370)	7.55 (310)	3.9 (590)
	2500 Mhz	19.02 (90)	6.77 (330)	8.51 (280)	4.42 (520)
5800 Mhz	29.90 (60)	10.8 (210)	13.0 (170)	7.3 (320)	
Impedence	Ω	50	50	50	50
DC Resistance (Center Conductor)	Ω/1000ft	7.6	1.39	1.07	0.53
DC Resistance (Outer Conductor)	Ω/1000ft	4.9	1.65	1.65	1.2
Dielectric Constant		1.6	1.38	1.38	1.32
Velocity Factor	%	80%	85%	85%	87%
Capacitance	pF/ft	25.4	23.9	23.9	23.4
Life Expectancy	Years	20+	20+	10+	20+
Operating Temperature Range	F	-40 / +185	-40 / +185	-40 / +185	-40 / +185
Direct Burial?		YES	YES	NO	YES

BC=Bare Copper, CCA=Copper Clad Aluminum, BCSW=Bare Copper Stranded Wire, PE=Polyethelene, TPE=Thermoplastic Elastomer

Available in bulk by the foot and as professionally made cable assemblies with connectors installed. Visit <http://www.jefatech.com>