

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 240-FLEX	Low Loss 400	Low Loss 400-FLEX	Low Loss 600
SKU	By The Foot	LL195-BTF	LL240-FLEX-BTF	LL400-BTF	LL400-FLEX-BTF	LL600-BTF
SKU	500' Reel	N/A	N/A	LL400-B500	LL400-FLEX-B500	LL600-B500
SKU	1000' Reel	LL195-B1000	LL240-FLEX-B1000	LL400-B1000	N/A	N/A
SKU	Assembly	CA-195-C1-C2-L	CA-240F-C1-C2-L	CA-400-C1-C2-L	CA-400F-C1-C2-L	CA-600-C1-C2-L
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
1 st 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 Braid	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

KEY: BC=Bare Copper, CCA=Copper Clad Aluminum, BCSW=Bare Copper Stranded Wire, PE=Polyethylene, TPE=Thermoplastic Elastomer, FPE= Foam Polyethylene

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