Finder Guide - Cables vs Insertion Loss

STANDARD FLEXIBLE HD CABLES

Cable group	Cable p/n	Cable type	1 GHz (VHF/UHF) dB/m dB/ft	2 GHz (band L) dB/m dB/ft	3 GHz (band S) dB/m dB/ft	4.5 GHz (band C) dB/m dB/ft
4.6/75 D	C291 333 039	HD 0.6/2.8 mini RG59 type	0.34/0.10	0.50/0.15	0.62/0.19	-
6/75 D	C291 360 093	HD 0.8/3.7 RG59 type	0.25/0.07	0.35/0.11	0.44/0.13	0.54/0.16
7/75 D	C291 384 083	HD 1.0/4.8 RG6 type	0.19/0.06	0.28/0.08	0.35/0.11	0.44/0.13

CORRUGATED CABLES (spiral outer shielding)

Cable group	Cable p/n	Cable type	2 GHz (band L) dB/m dB/ft	3 GHz (band S) dB/m dB/ft	6 GHz (band C) dB/m dB/ft	8 GHz (band C) dB/m dB/ft	12.4 GHz (band X) dB/m dB/ft	18 GHz (band Ku) dB/m dB/ft	20 GHz (band Ku) dB/m dB/ft
Celiflex 1/4"	C291 993 170	HCF 1/4"-50 AlCu	0.27/0.08	0.34/0.10	0.51/0.15	0.60/0.18	0.78/0.24	0.99/0.30	1.06/0.32
Celiflex 3/8"	C291 996 170	HCF 3/8" CuH-50 AlCu	0.19/0.06	0.24/0.07	0.36/0.11	0.43/0.13	0.54(11.7)/ 0.16(11.7)	-	-
Celiflex 1/2"	C291 994 170	HCF 1/2" CuH-50 AlCu	0.16/0.05	0.20/0.06	0.30/0.09	0.36/0.11	0.42(10)/ 0.13(11.7)	-	-

(11.7) = 11.7 GHz (10) = 10 GHz

HAND-FORMABLE AND SEMI-RIGID CABLES

Cable group	Cable p/n	Cable type	2 GHz (band L) dB/m dB/ft	3 GHz (band S) dB/m dB/ft	6 GHz (band C) dB/m dB/ft	8 GHz (band C) dB/m dB/ft	12.4 GHz (band X) dB/m dB/ft	18 GHz (band Ku) dB/m dB/ft	20 GHz (band Ku) dB/m dB/ft
.047"	C291 855 001	SR copper	1.64/0.50	2.03/0.61	2.93/0.89	3.43/1.04	4.73/1.32	5.39/1.63	5.72/1.73
	C291 855 065	SR tinned copper	1.64/0.50	2.03/0.61	2.93/0.89	3.43/1.04	4.73/1.32	5.39/1.63	5.72/1.73
.085"	C291 844 065	Handformable unjacketed	0.97/0.29	1.21/0.37	1.78/0.54	2.10/0.64	2.71/0.82	3.39/1.03	3.62/1.10
	C291 850 001	SR RG405/KS1	0.94/0.29	1.18/0.36	1.73/0.53	2.05/0.62	2.64/0.80	3.31/1.00	3.53/1.07
	C291 850 005	SR tinned copper	0.94/0.29	1.18/0.36	1.73/0.53	2.05/0.62	2.64/0.80	3.31/1.00	3.53/1.07
	C291 851 001	SR non magnetic	0.94/0.29	1.18/0.36	1.73/0.53	2.05/0.62	2.64/0.80	3.31/1.00	3.53/1.07
	C291 844 187	SR aluminum	0.98/0.30	1.22/0.37	1.80/0.54	2.12/0.64	2.73/0.83	3.41/1.03	3.64/1.10
.141"	C291 864 065	Handformable unjacketed	0.57/0.17	0.72/0.22	1.09/0.33	1.30/0.39	1.71/0.52	2.18/0.66	2.34/0.71
	C291 866 378	Handformable FEP jacketed	0.63/0.19	0.80/0.24	1.20/0.36	1.42/0.43	1.87/0.57	2.37/0.72	2.54/0.77
	C291 860 001	SR RG402/KS2	0.50/0.15	0.64/0.19	0.97/0.30	1.17/0.35	1.55/0.47	1.99/0.06	2.14/0.65
	C291 862 005	SR tinned copper	0.50/0.15	0.64/0.19	0.97/0.30	1.17/0.35	1.55/0.47	1.99/0.06	2.14/0.65
	C291 861 066	SR silvered copper	0.50/0.15	0.64/0.19	0.97/0.30	1.17/0.35	1.55/0.47	1.99/0.06	2.14/0.65
	C291 861 061	SR non magnetic	0.50/0.15	0.64/0.19	0.97/0.30	1.17/0.35	1.55/0.47	1.99/0.60	2.14/0.65
	C291 864 187	SR aluminum	0.53/0.16	0.67/0.20	1.02/0.31	1.23/0.37	1.62/0.49	2.08/0.63	2.23/0.38
.250"	C291 870 001	SR RG401/KS3	0.31/0.09	0.41/0.12	0.64/0.20	0.79/0.24	1.08/0.33	1.42/0.43	1.54/0.47
	C291 874 187	SR aluminum	0.33/0.10	0.43/0.13	0.68/0.21	0.83/0.25	1.13/0.34	1.48/0.45	1.60/0.49