Finder Guide - Cables vs Insertion Loss

FLEXIBLE CABLES (STANDARD)

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	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
0.8/50 S	C291 042 066	132390 type	2.41/0.73	3.51/1.06	4.93/1.49	-	-	-
1/50 S	C291 050 066	50 VMTX type	2.12/0.64	3.36/1.02	4.45/1.35	-	-	-
1/75 S	C291 055 076	75 VMTX type	2.22/0.67	3.14/0.95	-	-	-	-
2/50 S	C291 145 007/017	RG178/KX21	1.54/0.47	2.20/0.67	2.72/0.82	-	-	-
	C291 140 087	RG178 non mag type	1.34/0.41	1.92/0.58	2.37/0.72	-	-	-
2/50 D	C291 146 087	124416 type	1.34/0.41	1.92/0.58	2.37/0.72	-	-	-
2/75 S	C291 147 060	296775 type	1.38/0.42	1.98/0.60	2.46/0.75	-	-	-
2.6/50 S	C291 150 000/010	RG174/KX3B	1.07/0.32	-	-	-	-	-
	C291 170 007/017	RG316/KX22A	0.86/0.26	1.24/0.38	1.54/0.47	-	-	-
2.6/50 D	C291 185 067	RD316	0.86/0.26	1.24/0.38	1.54/0.47	-	-	-
2.6/75 S	C291 210 007	RG179	0.95/0.29	1.37/0.41	1.70/0.51	-	-	-
5/50 S	C291 305 000/010	RG58/KX15	0.67/0.20	-	-	-	-	-
5/50 D	C291 320 007	RG142	0.44/0.13	0.65/0.20	0.81/0.25	1.22/0.37	1.45/0.44	1.90/0.58
	C291 330 000	RG223	0.46/0.14	0.67/0.20	0.85/0.26	1.27/0.38	1.51/0.46	1.97/0.60
	C291 324 007	RG400	0.52/0.16	0.76/0.23	0.95/0.29	1.42/0.43	1.68/0.51	2.19/0.66
	C291 322 017	KX23	0.48/0.14	0.70/0.21	0.89/0.27	1.35/0.41	1.61/0.49	-
	C291 325 270	POWER142	0.41/0.12	0.58/0.18	0.72/0.22	-	-	-
6/75 S	C291 360 000	RG59	0.44/0.13	-	-	-	-	-
	C291 351 012	KX6A	0.48/0.15	-	-	-	-	-
10/50 S	C291 510 000/010	RG213/KX4	0.24/0.07	-	-	-	-	-
10/50 D	C291 511 007	RG393	0.23/0.07	0.35/0.11	0.45/0.14	0.71/0.21	0.86/0.26	1.07(11)/0.32(11)
11/50 D	C291 600 000/010	RG214/KX13	0.24/0.07	0.36/0.11	0.47/0.14	0.73/0.22	0.89/0.27	1.1(11)/0.33(11)
11/75 D	C291 610 000	RG216	0.32/0.10	0.48/0.14	0.60/0.18	-	-	-

(11) = 11 GHz

FLEXIBLE CABLES (LOW-LOSS ECO-FRIENDLY)
(alternative to RG cables - in accordance with RoHS regulation)

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	6 GHz (band C) dB/m dB/ft
2.6/50 S	C291 999 904	ECO316	0.76/0.23	1.09/0.33	1.34/0.41	-
	C291 171 083	ECO316X	0.96/0.29	1.45/0.44	1.85/0.56	-
2.6/50 D	C291 999 905	ECO316D	0.76/0.23	1.09/0.33	1.34/0.41	-
	C291 217 020	ECO316DX	0.86/0.26	1.30/0.40	1.68/0.51	2.64/0.80
5/50 D	C291 325 290	ECO142	0.41/0.12	0.58/0.18	0.72/0.22	-
	C291 320 180	ECO142X	0.54/0.16	0.83/0.25	1.07/0.32	1.70/0.51
6/50 D	C291 326 490	ECO230	0.28/0.08	0.40/0.12	0.50/0.15	0.59/0.18(4)
10/50 D	C291 491 060	ECO393	0.16/0.05	0.24/0.07	0.30/0.09	-
	C291 512 020	ECO393X	0.29/0.09	0.47/0.14	0.64/0.19	1.11/0.34

(4) = 4 GHz

LOW-LOSS FLEXIBLE CABLES (AEP-xxxFR 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	6 GHz (band C) dB/m dB/ft
AEP-100FR	C291 327 060	LMR® 100	0.79/0.24	1.16/0.35	1.45/0.44	2.15/0.65
AEP-195FR	C291 327 010	LMR® 195	0.39/0.12	0.55/0.17	0.69/0.21	1.00/0.3
AEP-200FR	C291 327 020	LMR® 200	0.34/0.10	0.49/0.15	0.61/0.19	0.88/0.27
AEP-240FR	C291 327 030	LMR® 240	0.26/0.08	0.38/0.11	0.47/0.14	0.68/0.21
AEP-400FR	C291 327 040	LMR® 400	0.14/0.04	0.20/0.06	0.24/0.07	0.36/0.11
AEP-600FR	C291 327 050	LMR® 600	0.09/0.03	0.13/0.04	0.16/0.05	0.24/0.07