

Loss in DB per 50' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.015	0.02	0.03	0.04	0.05	0.06	0.08	0.135	0.25	0.45
FHJ-7	1 5/8	Poly	0.015	0.025	0.035	0.05	0.06	0.075	0.1	0.185	0.4	0.85
LDF5-50A	7/8	Poly	0.02	0.03	0.045	0.07	0.085	0.095	0.13	0.225	0.4	0.75
3/4" CATV	3/4	both	0.03	0.04	0.065	0.085	0.115	0.13	0.19	0.31	0.85	1.5
FXA78-50J	7/8	Al-Foam	0.03	0.04	0.065	0.085	0.115	0.135	0.195	0.385	0.7	1.4
LMR-900	5/8	Poly	0.00345	0.00485	0.069	0.0975	0.12	0.139	0.187	0.322	0.578	1.0355
LDF4-50A	1/2	Poly	0.045	0.065	0.085	0.125	0.155	0.18	0.24	0.42	0.7	1.25
RG-17	7/8	Poly	0.05	0.065	0.09	0.135	0.17	0.2	0.25	0.65	1.25	2.5
LMR-600	1/2	Poly	0.05	0.07	0.1	0.14	0.1755	0.2035	0.2735	0.472	0.845	1.525
SLA12-50J	1/2	Al-Air	0.055	0.075	0.1	0.14	0.175	0.21	0.28	0.5	0.95	1.5
FXA12-50J	1/2	Al-Foam	0.06	0.08	0.11	0.165	0.2	0.235	0.325	0.6	1.05	2
FXA38-50J	3/8	Al-Foam	0.08	0.115	0.155	0.225	0.265	0.32	0.425	0.75	1.35	2.45
9913	3/8	Poly	0.08	0.115	0.155	0.225	0.265	0.32	0.46	0.8	1.35	2.5
LMR-400	3/8	Poly	0.082	0.1145	0.1625	0.2305	0.2825	0.327	0.4385	0.75	1.35	2.365
RG-213	3/8	Poly	0.125	0.185	0.275	0.375	0.5	0.6	0.8	1.4	2.55	5
LMR-240	1/4	Poly	0.1625	0.227	0.321	0.455	0.558	0.645	0.864	1.476	2.6115	4.571
RG-8X	1/4	Poly	0.245	0.34	0.5	0.7	0.85	0.95	1.25	2.25	4.2	0

Loss in DB per 100' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.03	0.04	0.06	0.08	0.1	0.12	0.16	0.27	0.5	0.9
FHJ-7	1 5/8	Poly	0.03	0.05	0.07	0.1	0.12	0.15	0.2	0.37	0.8	1.7
LDF5-50A	7/8	Poly	0.04	0.06	0.09	0.14	0.17	0.19	0.26	0.45	0.8	1.5
3/4" CATV	3/4	both	0.06	0.08	0.13	0.17	0.23	0.26	0.38	0.62	1.7	3
FXA78-50J	7/8	Al-Foam	0.06	0.08	0.13	0.17	0.23	0.27	0.39	0.77	1.4	2.8
LMR-900	5/8	Poly	0.01	0.01	0.14	0.20	0.24	0.28	0.37	0.64	1.16	2.07
LDF4-50A	1/2	Poly	0.09	0.13	0.17	0.25	0.31	0.36	0.48	0.84	1.4	2.5
RG-17	7/8	Poly	0.1	0.13	0.18	0.27	0.34	0.4	0.5	1.3	2.5	5
LMR-600	1/2	Poly	0.10	0.14	0.20	0.28	0.35	0.41	0.55	0.94	1.69	3.05
SLA12-50J	1/2	Al-Air	0.11	0.15	0.2	0.28	0.35	0.42	0.56	1	1.9	3
FXA12-50J	1/2	Al-Foam	0.12	0.16	0.22	0.33	0.4	0.47	0.65	1.2	2.1	4
FXA38-50J	3/8	Al-Foam	0.16	0.23	0.31	0.45	0.53	0.64	0.85	1.5	2.7	4.9
9913	3/8	Poly	0.16	0.23	0.31	0.45	0.53	0.64	0.92	1.6	2.7	5
LMR-400	3/8	Poly	0.16	0.23	0.33	0.46	0.57	0.65	0.88	1.50	2.70	4.73
RG-213	3/8	Poly	0.25	0.37	0.55	0.75	1	1.2	1.6	2.8	5.1	10
LMR-240	1/4	Poly	0.33	0.45	0.64	0.91	1.12	1.29	1.73	2.95	5.22	9.14
RG-8X	1/4	Poly	0.49	0.68	1	1.4	1.7	1.9	2.5	4.5	8.4	

Loss in DB per 200' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.06	0.08	0.12	0.16	0.2	0.24	0.32	0.54	1	1.8
FHJ-7	1 5/8	Poly	0.06	0.1	0.14	0.2	0.24	0.3	0.4	0.74	1.6	3.4
LDF5-50A	7/8	Poly	0.08	0.12	0.18	0.28	0.34	0.38	0.52	0.9	1.6	3
3/4" CATV	3/4	both	0.12	0.16	0.26	0.34	0.46	0.52	0.76	1.24	3.4	6
FXA78-50J	7/8	Al-Foam	0.12	0.16	0.26	0.34	0.46	0.54	0.78	1.54	2.8	5.6
LMR-900	5/8	Poly	0.0138	0.0194	0.276	0.39	0.48	0.556	0.748	1.288	2.312	4.142
LDF4-50A	1/2	Poly	0.18	0.26	0.34	0.5	0.62	0.72	0.96	1.68	2.8	5
RG-17	7/8	Poly	0.2	0.26	0.36	0.54	0.68	0.8	1	2.6	5	10
LMR-600	1/2	Poly	0.2	0.28	0.4	0.56	0.702	0.814	1.094	1.888	3.38	6.1
SLA12-50J	1/2	Al-Air	0.22	0.3	0.4	0.56	0.7	0.84	1.12	2	3.8	6
FXA12-50J	1/2	Al-Foam	0.24	0.32	0.44	0.66	0.8	0.94	1.3	2.4	4.2	8
FXA38-50J	3/8	Al-Foam	0.32	0.46	0.62	0.9	1.06	1.28	1.7	3	5.4	9.8
9913	3/8	Poly	0.32	0.46	0.62	0.9	1.06	1.28	1.84	3.2	5.4	10
LMR-400	3/8	Poly	0.328	0.458	0.65	0.922	1.13	1.308	1.754	3	5.4	9.46
RG-213	3/8	Poly	0.5	0.74	1.1	1.5	2	2.4	3.2	5.6	10.2	20
LMR-240	1/4	Poly	0.65	0.908	1.284	1.82	2.232	2.58	3.456	5.904	10.446	18.284
RG-8X	1/4	Poly	0.98	1.36	2	2.8	3.4	3.8	5	9	16.8	0

Loss in DB per 250' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.075	0.1	0.15	0.2	0.25	0.3	0.4	0.675	1.25	2.25
FHJ-7	1 5/8	Poly	0.075	0.125	0.175	0.25	0.3	0.375	0.5	0.925	2	4.25
LDF5-50A	7/8	Poly	0.1	0.15	0.225	0.35	0.425	0.475	0.65	1.125	2	3.75
3/4" CATV	3/4	both	0.15	0.2	0.325	0.425	0.575	0.65	0.95	1.55	4.25	7.5
FXA78-50J	7/8	Al-Foam	0.15	0.2	0.325	0.425	0.575	0.675	0.975	1.925	3.5	7
LMR-900	5/8	Poly	0.01725	0.02425	0.345	0.4875	0.6	0.695	0.935	1.61	2.89	5.1775
LDF4-50A	1/2	Poly	0.225	0.325	0.425	0.625	0.775	0.9	1.2	2.1	3.5	6.25
RG-17	7/8	Poly	0.25	0.325	0.45	0.675	0.85	1	1.25	3.25	6.25	12.5
LMR-600	1/2	Poly	0.25	0.35	0.5	0.7	0.8775	1.0175	1.3675	2.36	4.225	7.625
SLA12-50J	1/2	Al-Air	0.275	0.375	0.5	0.7	0.875	1.05	1.4	2.5	4.75	7.5
FXA12-50J	1/2	Al-Foam	0.3	0.4	0.55	0.825	1	1.175	1.625	3	5.25	10
FXA38-50J	3/8	Al-Foam	0.4	0.575	0.775	1.125	1.325	1.6	2.125	3.75	6.75	12.25
9913	3/8	Poly	0.4	0.575	0.775	1.125	1.325	1.6	2.3	4	6.75	12.5
LMR-400	3/8	Poly	0.41	0.5725	0.8125	1.1525	1.4125	1.635	2.1925	3.75	6.75	11.825
RG-213	3/8	Poly	0.625	0.925	1.375	1.875	2.5	3	4	7	12.75	25
LMR-240	1/4	Poly	0.8125	1.135	1.605	2.275	2.79	3.225	4.32	7.38	13.0575	22.855
RG-8X	1/4	Poly	1.225	1.7	2.5	3.5	4.25	4.75	6.25	11.25	21	0

Loss in DB per 300' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.09	0.12	0.18	0.24	0.3	0.36	0.48	0.81	1.5	2.7
FHJ-7	1 5/8	Poly	0.09	0.15	0.21	0.3	0.36	0.45	0.6	1.11	2.4	5.1
LDF5-50A	7/8	Poly	0.12	0.18	0.27	0.42	0.51	0.57	0.78	1.35	2.4	4.5
3/4" CATV	3/4	both	0.18	0.24	0.39	0.51	0.69	0.78	1.14	1.86	5.1	9
FXA78-50J	7/8	Al-Foam	0.18	0.24	0.39	0.51	0.69	0.81	1.17	2.31	4.2	8.4
LMR-900	5/8	Poly	0.0207	0.0291	0.414	0.585	0.72	0.834	1.122	1.932	3.468	6.213
LDF4-50A	1/2	Poly	0.27	0.39	0.51	0.75	0.93	1.08	1.44	2.52	4.2	7.5
RG-17	7/8	Poly	0.3	0.39	0.54	0.81	1.02	1.2	1.5	3.9	7.5	15
LMR-600	1/2	Poly	0.3	0.42	0.6	0.84	1.053	1.221	1.641	2.832	5.07	9.15
SLA12-50J	1/2	Al-Air	0.33	0.45	0.6	0.84	1.05	1.26	1.68	3	5.7	9
FXA12-50J	1/2	Al-Foam	0.36	0.48	0.66	0.99	1.2	1.41	1.95	3.6	6.3	12
FXA38-50J	3/8	Al-Foam	0.48	0.69	0.93	1.35	1.59	1.92	2.55	4.5	8.1	14.7
9913	3/8	Poly	0.48	0.69	0.93	1.35	1.59	1.92	2.76	4.8	8.1	15
LMR-400	3/8	Poly	0.492	0.687	0.975	1.383	1.695	1.962	2.631	4.5	8.1	14.19
RG-213	3/8	Poly	0.75	1.11	1.65	2.25	3	3.6	4.8	8.4	15.3	30
LMR-240	1/4	Poly	0.975	1.362	1.926	2.73	3.348	3.87	5.184	8.856	15.669	27.426
RG-8X	1/4	Poly	1.47	2.04	3	4.2	5.1	5.7	7.5	13.5	25.2	0

Loss in DB per 400' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.12	0.16	0.24	0.32	0.4	0.48	0.64	1.08	2	3.6
FHJ-7	1 5/8	Poly	0.12	0.2	0.28	0.4	0.48	0.6	0.8	1.48	3.2	6.8
LDF5-50A	7/8	Poly	0.16	0.24	0.36	0.56	0.68	0.76	1.04	1.8	3.2	6
3/4" CATV	3/4	both	0.24	0.32	0.52	0.68	0.92	1.04	1.52	2.48	6.8	12
FXA78-50J	7/8	Al-Foam	0.24	0.32	0.52	0.68	0.92	1.08	1.56	3.08	5.6	11.2
LMR-900	5/8	Poly	0.0276	0.0388	0.552	0.78	0.96	1.112	1.496	2.576	4.624	8.284
LDF4-50A	1/2	Poly	0.36	0.52	0.68	1	1.24	1.44	1.92	3.36	5.6	10
RG-17	7/8	Poly	0.4	0.52	0.72	1.08	1.36	1.6	2	5.2	10	20
LMR-600	1/2	Poly	0.4	0.56	0.8	1.12	1.404	1.628	2.188	3.776	6.76	12.2
SLA12-50J	1/2	Al-Air	0.44	0.6	0.8	1.12	1.4	1.68	2.24	4	7.6	12
FXA12-50J	1/2	Al-Foam	0.48	0.64	0.88	1.32	1.6	1.88	2.6	4.8	8.4	16
FXA38-50J	3/8	Al-Foam	0.64	0.92	1.24	1.8	2.12	2.56	3.4	6	10.8	19.6
9913	3/8	Poly	0.64	0.92	1.24	1.8	2.12	2.56	3.68	6.4	10.8	20
LMR-400	3/8	Poly	0.656	0.916	1.3	1.844	2.26	2.616	3.508	6	10.8	18.92
RG-213	3/8	Poly	1	1.48	2.2	3	4	4.8	6.4	11.2	20.4	40
LMR-240	1/4	Poly	1.3	1.816	2.568	3.64	4.464	5.16	6.912	11.808	20.892	36.568
RG-8X	1/4	Poly	1.96	2.72	4	5.6	6.8	7.6	10	18	33.6	0

Loss in DB per 500' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.15	0.2	0.3	0.4	0.5	0.6	0.8	1.35	2.5	4.5
FHJ-7	1 5/8	Poly	0.15	0.25	0.35	0.5	0.6	0.75	1	1.85	4	8.5
LDF5-50A	7/8	Poly	0.2	0.3	0.45	0.7	0.85	0.95	1.3	2.25	4	7.5
3/4" CATV	3/4	both	0.3	0.4	0.65	0.85	1.15	1.3	1.9	3.1	8.5	15
FXA78-50J	7/8	Al-Foam	0.3	0.4	0.65	0.85	1.15	1.35	1.95	3.85	7	14
LMR-900	5/8	Poly	0.0345	0.0485	0.69	0.975	1.2	1.39	1.87	3.22	5.78	10.355
LDF4-50A	1/2	Poly	0.45	0.65	0.85	1.25	1.55	1.8	2.4	4.2	7	12.5
RG-17	7/8	Poly	0.5	0.65	0.9	1.35	1.7	2	2.5	6.5	12.5	25
LMR-600	1/2	Poly	0.5	0.7	1	1.4	1.755	2.035	2.735	4.72	8.45	15.25
SLA12-50J	1/2	Al-Air	0.55	0.75	1	1.4	1.75	2.1	2.8	5	9.5	15
FXA12-50J	1/2	Al-Foam	0.6	0.8	1.1	1.65	2	2.35	3.25	6	10.5	20
FXA38-50J	3/8	Al-Foam	0.8	1.15	1.55	2.25	2.65	3.2	4.25	7.5	13.5	24.5
9913	3/8	Poly	0.8	1.15	1.55	2.25	2.65	3.2	4.6	8	13.5	25
LMR-400	3/8	Poly	0.82	1.145	1.625	2.305	2.825	3.27	4.385	7.5	13.5	23.65
RG-213	3/8	Poly	1.25	1.85	2.75	3.75	5	6	8	14	25.5	50
LMR-240	1/4	Poly	1.625	2.27	3.21	4.55	5.58	6.45	8.64	14.76	26.115	45.71
RG-8X	1/4	Poly	2.45	3.4	5	7	8.5	9.5	12.5	22.5	42	0

Loss in DB per 750' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.225	0.3	0.45	0.6	0.75	0.9	1.2	2.025	3.75	6.75
FHJ-7	1 5/8	Poly	0.225	0.375	0.525	0.75	0.9	1.125	1.5	2.775	6	12.75
LDF5-50A	7/8	Poly	0.3	0.45	0.675	1.05	1.275	1.425	1.95	3.375	6	11.25
3/4" CATV	3/4	both	0.45	0.6	0.975	1.275	1.725	1.95	2.85	4.65	12.75	22.5
FXA78-50J	7/8	Al-Foam	0.45	0.6	0.975	1.275	1.725	2.025	2.925	5.775	10.5	21
LMR-900	5/8	Poly	0.05175	0.07275	1.035	1.4625	1.8	2.085	2.805	4.83	8.67	15.5325
LDF4-50A	1/2	Poly	0.675	0.975	1.275	1.875	2.325	2.7	3.6	6.3	10.5	18.75
RG-17	7/8	Poly	0.75	0.975	1.35	2.025	2.55	3	3.75	9.75	18.75	37.5
LMR-600	1/2	Poly	0.75	1.05	1.5	2.1	2.6325	3.0525	4.1025	7.08	12.675	22.875
SLA12-50J	1/2	Al-Air	0.825	1.125	1.5	2.1	2.625	3.15	4.2	7.5	14.25	22.5
FXA12-50J	1/2	Al-Foam	0.9	1.2	1.65	2.475	3	3.525	4.875	9	15.75	30
FXA38-50J	3/8	Al-Foam	1.2	1.725	2.325	3.375	3.975	4.8	6.375	11.25	20.25	36.75
9913	3/8	Poly	1.2	1.725	2.325	3.375	3.975	4.8	6.9	12	20.25	37.5
LMR-400	3/8	Poly	1.23	1.7175	2.4375	3.4575	4.2375	4.905	6.5775	11.25	20.25	35.475
RG-213	3/8	Poly	1.875	2.775	4.125	5.625	7.5	9	12	21	38.25	75
LMR-240	1/4	Poly	2.4375	3.405	4.815	6.825	8.37	9.675	12.96	22.14	39.1725	68.565
RG-8X	1/4	Poly	3.675	5.1	7.5	10.5	12.75	14.25	18.75	33.75	63	0

Loss in DB per 1000' of cable

Type/Band	Size	Jacket	1.8	3.5	7	14	21	28	50	144	440	1296
LDF7-50A	1 5/8	Poly	0.3	0.4	0.6	0.8	1	1.2	1.6	2.7	5	9
FHJ-7	1 5/8	Poly	0.3	0.5	0.7	1	1.2	1.5	2	3.7	8	17
LDF5-50A	7/8	Poly	0.4	0.6	0.9	1.4	1.7	1.9	2.6	4.5	8	15
3/4" CATV	3/4	both	0.6	0.8	1.3	1.7	2.3	2.6	3.8	6.2	17	30
FXA78-50J	7/8	Al-Foam	0.6	0.8	1.3	1.7	2.3	2.7	3.9	7.7	14	28
LMR-900	5/8	Poly	0.069	0.097	1.38	1.95	2.4	2.78	3.74	6.44	11.56	20.71
LDF4-50A	1/2	Poly	0.9	1.3	1.7	2.5	3.1	3.6	4.8	8.4	14	25
RG-17	7/8	Poly	1	1.3	1.8	2.7	3.4	4	5	13	25	50
LMR-600	1/2	Poly	1	1.4	2	2.8	3.51	4.07	5.47	9.44	16.9	30.5
SLA12-50J	1/2	Al-Air	1.1	1.5	2	2.8	3.5	4.2	5.6	10	19	30
FXA12-50J	1/2	Al-Foam	1.2	1.6	2.2	3.3	4	4.7	6.5	12	21	40
FXA38-50J	3/8	Al-Foam	1.6	2.3	3.1	4.5	5.3	6.4	8.5	15	27	49
9913	3/8	Poly	1.6	2.3	3.1	4.5	5.3	6.4	9.2	16	27	50
LMR-400	3/8	Poly	1.64	2.29	3.25	4.61	5.65	6.54	8.77	15	27	47.3
RG-213	3/8	Poly	2.5	3.7	5.5	7.5	10	12	16	28	51	100
LMR-240	1/4	Poly	3.25	4.54	6.42	9.1	11.16	12.9	17.28	29.52	52.23	91.42
RG-8X	1/4	Poly	4.9	6.8	10	14	17	19	25	45	84	0