

TOW CABLE • Elastic Coax



FEATURES:

Flexible, light weight tow cable designed for oceanographic applications with digital or analog instrumentation. Kevlar strength member for light weight flexible handling systems, along with an elastic center conductor core, offers extended life over conventional copper core coax designs.

CONSTRUCTION:

- Core:** Elastic stranded tin copper core offers up to two times the elongation of standard coax conductors.
- Inner Jacket:** Polyurethane for mold sealing inner core.
- Dielectric:** Polyethylene with low dielectric constant.
- Strength Layer:** Kevlar fiber, torque balanced.
- Shield:** Braided, tin plated copper for corrosion protection.
- Outer Jacket:** Tough abrasion resistant polyurethane for great mechanical protection.
- Barrier Layer:** Polyethylene for long term moisture resistance.
- *Neutrally buoyant version of these cables can be ordered.
- Operating Temp:** -40C to 80C

Part Number	Breaking Strength/Lb.	AWG	Conductor D.C. Resist. (Ohms/MFt)	Shield D.C. Resist. (Ohms/MFt)	Inner Jacket O.D. Inch	Mm	Overall Diameter Inch	Mm	Wt. in Air (Lb/MFt)
50 OHM ELASTIC COAX									
FCE5020T02	2,500	20	11.1	4.5	0.25	6.35	0.35	8.89	57
FCE5020T05	5,000	20	11.0	4.5	0.25	6.35	0.39	9.90	67
FCE5020T10	10,000	20	11.0	4.5	0.25	6.35	0.43	10.92	80
FCE5020T20	20,000	20	11.0	4.5	0.25	6.35	0.53	13.46	116
FCE5020T40	40,000	20	11.0	4.5	0.25	6.35	0.69	17.52	188
FCE5017T02	2,500	17	6.1	4.0	0.34	8.63	0.44	11.17	88
FCE5017T05	5,000	17	6.1	4.0	0.34	8.63	0.47	11.94	97
FCE5017T10	10,000	17	6.1	4.0	0.34	8.63	0.51	12.95	115
FCE5017T20	20,000	17	6.1	4.0	0.34	8.63	0.60	15.24	150
FCE5017T40	40,000	17	6.1	4.0	0.34	8.63	0.74	18.79	222
FCE5014T02	2,500	14	3.0	2.6	0.47	11.94	0.58	14.73	150
FCE5014T05	5,000	14	3.0	2.6	0.47	11.94	0.60	15.24	160
FCE5014T10	10,000	14	3.0	2.6	0.47	11.94	0.64	16.25	177
FCE5014T20	20,000	14	3.0	2.6	0.47	11.94	0.71	18.03	213
FCE5014T40	40,000	14	3.0	2.6	0.47	11.94	0.83	21.08	284
75 OHM ELASTIC COAX									
FCE7520T02	2,500	20	11.1	3.7	0.43	10.92	0.54	13.71	125
FCE7520T05	5,000	20	11.0	3.7	0.43	10.92	0.57	14.48	134
FCE7520T10	10,000	20	11.0	3.7	0.43	10.92	0.61	15.49	152
FCE7520T20	20,000	20	11.0	3.7	0.43	10.92	0.68	17.27	188
FCE7520T40	40,000	20	11.0	3.7	0.43	10.92	0.81	20.57	259
FCE7517T02	2,500	17	6.1	2.2	0.58	14.73	0.71	18.03	208
FCE7517T05	5,000	17	6.1	2.2	0.58	14.73	0.72	18.29	216
FCE7517T10	10,000	17	6.1	2.2	0.58	14.73	0.76	19.30	235
FCE7517T20	20,000	17	6.1	2.2	0.58	14.73	0.82	20.82	270
FCE7517T40	40,000	17	6.1	2.2	0.58	14.73	0.93	23.62	342
FCE7514T02	2,500	14	3.0	1.6	0.83	21.08	1.01	25.65	415
FCE7514T05	5,000	14	3.0	1.6	0.83	21.08	1.02	25.90	424
FCE7514T10	10,000	14	3.0	1.6	0.83	21.08	1.04	26.41	442
FCE7514T20	20,000	14	3.0	1.6	0.83	21.08	1.09	27.68	478
FCE7514T40	40,000	14	3.0	1.6	0.83	21.08	1.17	29.71	550