

TOW CABLE • Elastic Coax



FEATURES:

Flexible, light weight tow cables 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.

Dielectric: Polyethylene with low dielectric constant.

Shield: Braided, tin plated copper for corrosion protection.

Barrier Jacket: Rubber based Elastomer with very low moisture resistance.

Strength Layer: Kevlar fiber, torque balanced. Break strengths up to 40K' lbs. can be offered.

Outer Jacket: Tough abrasion resistant polyurethane for great mechanical protection.

*Neutrally buoyant version of these cables can be ordered.

Operating Temp: -40C to 80C

Part Number	Breaking Strength/Lb.	AWG	Conductor	Shield	Overall Diameter		Wt. in Air (Lb/MFt)
			D.C. Resist. (Ohms/MFt)	D.C. Resist. (Ohms/MFt)	inch	mm	
50 OHM ELASTIC COAX							
FCE5020T02	2,500	20	11.1	4.5	0.33	8.4	55
FCE5020T05	5,000	20	11.0	4.5	0.37	9.4	65
FCE5020T10	10,000	20	11.0	4.5	0.41	10.4	78
FCE5020T20	20,000	20	11.0	4.5	0.51	13.0	114
75 OHM ELASTIC COAX							
FCE5017T02	2,500	17	6.1	4.0	0.42	10.7	86
FCE5017T05	5,000	17	6.1	4.0	0.45	11.4	95
FCE5017T10	10,000	17	6.1	4.0	0.49	12.4	113
FCE5017T20	20,000	17	6.1	4.0	0.58	14.7	148
100 OHM ELASTIC COAX							
FCE5014T02	2,500	14	3.0	2.6	0.54	13.7	145
FCE5014T05	5,000	14	3.0	2.6	0.56	14.2	155
FCE5014T10	10,000	14	3.0	2.6	0.60	15.2	172
FCE5014T20	20,000	14	3.0	2.6	0.77	19.6	208
150 OHM ELASTIC COAX							
FCE7520T02	2,500	20	11.1	3.7	0.514	13.1	118
FCE7520T05	5,000	20	11.0	3.7	0.544	13.8	128
FCE7520T10	10,000	20	11.0	3.7	0.584	14.8	145
FCE7520T20	20,000	20	11.0	3.7	0.654	16.6	180
200 OHM ELASTIC COAX							
FCE7517T02	2,500	17	6.1	2.2	0.66	16.8	202
FCE7517T05	5,000	17	6.1	2.2	0.67	17.0	209
FCE7517T10	10,000	17	6.1	2.2	0.71	18.0	238
FCE7517T20	20,000	17	6.1	2.2	0.77	19.6	262
300 OHM ELASTIC COAX							
FCE7514T02	2,500	14	3.0	1.6	.90	22.9	365
FCE7514T05	5,000	14	3.0	1.6	.92	23.4	374
FCE7514T10	10,000	14	3.0	1.6	.94	23.9	390
FCE7514T20	20,000	14	3.0	1.6	1.00	25.4	428

