

All standard TFC T10 drop cable products meet or exceed the following specification and are ordered using the standard part numbers from the catalog. For additional information see Technical Note 1056-A, "High Frequency Applications - Attenuation at 950 MHz, 1450 MHz, 1750 MHz and 2150 MHz."

Nominal Dimensions	59 Series		6 Series		7 Series		11 Series	
	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)
Conductor - Copper Clad Steel	0.0320	(0.81)	0.0403	(1.02)	0.0508	(1.29)	0.0641	(1.63)
Dielectric - Foamed Polyethylene	0.144	(3.66)	0.180	(4.57)	0.225	(5.72)	0.280	(7.11)
First Outer Conductor - Bonded Tape	0.152	(3.86)	0.188	(4.78)	0.233	(5.92)	0.288	(7.32)
Second Outer Conductor - Aluminum Braid	0.176	(4.47)	0.212	(5.38)	0.257	(6.53)	0.312	(7.92)
Third Outer Conductor (Optional)			See Catalog for Options					
Fourth Outer Conductor (Optional)			See Catalog for Options					
Jacket - PVC (UL Optional)	0.240	(6.10)	0.273	(6.93)	0.319	(8.10)	0.400	(10.2)

### ATTENUATION SUMMARY (Maximum) (68°F/20°C)

Frequency MHz	Series 59		Series 6		Series 7		Series 11	
	dB/100 ft	dB/100 m	dB/100 ft	dB/100 m	dB/100 ft	dB/100 m	dB/100 ft	dB/100 m
5	0.77	2.53	0.57	1.87	0.56	1.84	0.36	1.18
55	1.88	6.18	1.50	4.94	1.22	4.00	0.95	3.12
211	3.59	11.79	2.87	9.43	2.29	7.53	1.81	5.95
250	3.89	12.77	3.12	10.22	2.49	8.17	1.98	6.50
270	4.05	13.29	3.24	10.63	2.59	8.50	2.06	6.76
300	4.27	14.01	3.43	11.25	2.74	8.99	2.17	7.12
330	4.50	14.76	3.61	11.84	2.89	9.47	2.29	7.51
350	4.64	15.22	3.72	12.20	2.98	9.78	2.36	7.74
400	4.88	16.01	4.00	13.12	3.20	10.50	2.53	8.30
450	5.30	17.39	4.28	14.04	3.41	11.19	2.69	8.83
500	5.50	18.04	4.51	14.80	3.61	11.84	2.85	9.35
550	5.90	19.36	4.76	15.62	3.80	12.47	3.01	9.88
600	6.18	20.28	4.98	16.34	3.99	13.09	3.16	10.37
750	6.96	22.83	5.62	18.44	4.50	14.76	3.58	11.75
870	7.54	24.75	6.09	19.99	4.87	15.99	3.90	12.80
950	7.90	25.92	6.39	20.96	5.11	16.77	4.10	13.45
1000	8.09	26.54	6.54	21.46	5.25	17.22	4.23	13.88
1200	8.91	29.23	7.18	23.56	5.77	18.93	4.71	15.45
1450	9.82	32.22	7.89	25.89	6.34	20.80	5.29	17.36
1750	10.92	35.83	8.74	28.67	6.93	22.74	5.95	19.52
2150	12.10	39.70	9.69	31.79	7.68	25.20	6.60	21.65

Attenuation increases with increasing temperature and decreases with decreasing temperature at the rate of 0.1% / °F (0.18% / °C)

Characteristic Impedance	(nominal)	75 Ohms
Velocity of Propagation	(nominal)	85%
Capacitance	(nominal)	16.2 pF/foot

