

# TECHNICAL NOTE / 1056-A **High Frequency Applications - Attenuation At 950 MHz, 1200 MHz, 1450 MHz, 1750 MHz and 2150 MHz**

T10 and TX10 semiflex and T10 drop cables are sweep tested to 1 GHz. However, these cables are commonly used for satellite down link applications from 950 MHz to 2150 MHz. The following table provides the attenuation of T10 cables for such applications.

T10, TX10 Semiflexible Coaxial Cables and T10 Coaxial Drop Cables										
Product	Typical Maximum Attenuation									
	dB/100 Feet @ 68°F					dB/100 Meters @ 20°C				
	950MHz	1200 MHz	1450MHz	1750MHz	2150MHz	950MHz	1200MHz	1450MHz	1750MHz	2150MHz
T10500	2.46	2.83	3.12	3.47	3.92	8.07	9.28	10.2	11.4	12.86
T10625	2.05	2.32	2.61	2.92	3.24	6.73	7.61	8.56	9.58	10.63
T10750	1.69	1.96	2.16	2.41	2.75	5.54	6.43	7.09	7.91	9.02
T10875	1.48	1.72	1.90	2.13	2.43	4.86	5.64	6.23	6.99	7.97
T101000	1.40	1.55	1.81	2.03	2.21	4.59	5.09	5.94	6.66	7.25
TX10565	2.11	2.45	2.66	2.96	3.41	6.92	8.04	8.73	9.71	11.19
TX10700	1.70	2.00	2.13	2.36	2.81	—	6.56	6.99	7.74	9.22
TX10840	1.48	1.72	1.90	2.13	2.44	4.86	5.64	6.23	6.99	8.00
TX101160	1.17	1.33	1.52	1.71	1.91	3.84	4.36	4.99	5.61	6.27
T10 Series 59	7.90	8.91	9.82	10.92	12.10	25.9	29.23	32.2	35.8	39.70
T10 Series 6	6.39	7.18	7.89	8.74	9.69	21.0	23.56	25.9	28.7	31.79
T10 Series 7	5.11	5.77	6.34	6.93	7.68	16.8	18.93	20.8	22.7	25.20
T10 Series 11	4.10	4.71	5.29	5.95	6.60	13.5	15.45	17.4	19.5	21.65
TX Flexible Feeder	3.03	3.43	3.84	4.27	4.77	9.94	11.25	12.60	14.01	15.65

**Note:** Values above 1000 MHz are calculated.