

ANSI/TIA-568-C.2 CAT 6 Electrical Specifications

Frequency MHz	Insertion Loss @ 20°C			
	Maximum dB/100 m	NEXT Minimum dB/100 m	ACR Minimum dB/100 m	PSNEXT Minimum dB/100 m
	Specified	Specified	Calculated	Specified
1	2.0	74.3	72.3	72.3
4	3.8	65.3	61.5	63.3
10	6.0	59.3	53.3	57.3
16	7.6	56.3	48.6	54.2
20	8.5	54.8	46.3	52.8
25	9.5	53.3	43.8	51.3
31.25	10.7	51.9	41.2	49.9
62.5	15.4	47.4	32.0	45.4
100	19.8	44.3	24.5	42.3
200	29.0	39.8	10.8	37.8
250	32.8	38.3	5.5	36.3

Frequency MHz	PSACR Minimum dB/100 m	Return Loss Minimum dB/100 m	ELFEXT Minimum dB/100 m	PSELFEXT Minimum dB/100 m
	Calculated	Specified	Specified	Specified
1	70.3	20.0	67.8	64.8
4	59.5	23.0	55.8	52.8
10	51.3	25.0	47.8	44.8
16	46.6	25.0	43.7	40.7
20	44.3	25.0	41.8	38.8
25	41.8	24.3	39.8	36.8
31.25	39.2	23.6	37.9	34.9
62.5	30.0	21.5	31.9	28.9
100	22.5	20.1	27.8	24.8
200	8.8	18.0	21.8	18.8
250	3.5	17.3	19.8	16.8