

ANSI/TIA-568-C.2

CAT 5e 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	65.3	63.3	62.3
4	4.1	56.3	52.2	53.3
8	5.8	51.8	46.0	48.8
10	6.5	50.3	43.8	47.3
16	8.2	47.3	39.1	44.3
20	9.3	45.8	36.5	42.8
25	10.4	44.3	33.9	41.3
31.25	11.7	42.9	31.2	39.9
62.5	17.0	38.4	21.4	35.4
100	22.0	35.3	13.3	32.3

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	60.3	20.0	63.8	60.8
4	49.2	23.0	51.7	48.7
8	43.0	24.5	45.7	42.7
10	40.8	25.0	43.8	40.8
16	36.1	25.0	39.7	36.7
20	33.5	25.0	37.7	34.7
25	30.9	24.3	35.8	32.8
31.25	28.2	23.6	33.9	30.9
62.5	18.4	21.5	27.8	24.8
100	10.3	20.1	23.8	20.8