

Cat.5e Technical Parameter

Cat.5e Horizontal Cable meets TIA/EIA-568-B.2 Standard

Transmission Properties (20°C±3°C)

Frequency (MHz)	Insertion Loss	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
	dB/100 m Max	dB/100m Min	dB/100m Min	dB/100m Min	dB/100m Min	dB/100m Min
1	2.0	65.3	62.3	63.8	60.8	20.0
4	4.1	56.3	53.3	51.8	48.8	23.0
8	5.8	51.8	48.8	45.7	42.7	24.5
10	6.5	50.3	47.3	43.8	40.8	25.0
16	8.2	47.2	44.2	39.7	36.7	25.0
20	9.3	45.8	42.8	37.8	34.8	25.0
25	10.4	44.3	41.3	35.8	32.8	24.3
31.25	11.7	42.9	39.9	33.9	30.9	23.6
62.5	17.0	38.4	35.4	27.9	24.9	21.5
100	22.0	35.3	32.3	23.8	20.8	20.1

Cat.5e Patch Cable meets TIA/EIA-568-B.2 Standard

Transmission Properties (20°C±3°C)

Frequency (MHz)	Insertion Loss	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
	dB/100 m Max	dB/100m Min	dB/100m Min	dB/100m Min	dB/100m Min	dB/100m Min
1	2.4	65.3	62.3	63.8	60.8	20.0
4	4.9	56.3	53.3	51.8	48.8	23.0
8	6.9	51.8	48.8	45.7	42.7	24.5
10	7.8	50.3	47.3	43.8	40.8	25.0
16	9.9	47.2	44.2	39.7	36.7	25.0
20	11.1	45.8	42.8	37.8	34.8	25.0
25	12.5	44.3	41.3	35.8	32.8	24.3
31.25	14.1	42.9	39.9	33.9	30.9	23.6
62.5	20.4	38.4	35.4	27.9	24.9	21.5
100	26.4	35.3	32.3	23.8	20.8	20.1