

Cat.6 Technical Parameter

Cat.6 Horizontal Cable meets TIA/EIA-568-B.2-1 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 | 74.3 | 72.3 | 67.8 | 64.8 | 20.0 |
| 4 | 3.8 | 65.3 | 63.3 | 55.8 | 52.8 | 23.0 |
| 8 | 5.3 | 60.8 | 58.8 | 49.7 | 46.7 | 24.5 |
| 10 | 6.0 | 59.3 | 57.3 | 47.8 | 44.8 | 25.0 |
| 16 | 7.6 | 56.2 | 54.2 | 43.7 | 40.7 | 25.0 |
| 20 | 8.5 | 54.8 | 52.8 | 41.8 | 38.8 | 25.0 |
| 25 | 9.5 | 53.3 | 51.3 | 39.8 | 36.8 | 24.3 |
| 31.25 | 10.7 | 51.9 | 49.9 | 37.9 | 34.9 | 23.6 |
| 62.5 | 15.4 | 47.4 | 45.4 | 31.9 | 28.9 | 21.5 |
| 100 | 19.8 | 44.3 | 42.3 | 27.8 | 24.8 | 20.1 |
| 200 | 29.0 | 39.8 | 37.8 | 21.8 | 18.8 | 18.0 |
| 250 | 32.8 | 38.3 | 36.3 | 19.8 | 16.8 | 17.3 |

Cat.6 Patch Cable meets TIA/EIA-568-B.2-1 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 | 74.3 | 72.3 | 67.8 | 64.8 | 20.0 |
| 4 | 4.5 | 65.3 | 63.3 | 55.8 | 52.8 | 23.0 |
| 8 | 6.4 | 60.8 | 58.8 | 49.7 | 46.7 | 24.5 |
| 10 | 7.1 | 59.3 | 57.3 | 47.8 | 44.8 | 25.0 |
| 16 | 9.1 | 56.2 | 54.2 | 43.7 | 40.7 | 25.0 |
| 20 | 10.2 | 54.8 | 52.8 | 41.8 | 38.8 | 25.0 |
| 25 | 11.4 | 53.3 | 51.3 | 39.8 | 36.8 | 24.3 |
| 31.25 | 12.8 | 51.9 | 49.9 | 37.9 | 34.9 | 23.6 |
| 62.5 | 18.5 | 47.4 | 45.4 | 31.9 | 28.9 | 21.5 |
| 100 | 23.8 | 44.3 | 42.3 | 27.8 | 24.8 | 20.1 |
| 200 | 34.8 | 39.8 | 37.8 | 21.8 | 18.8 | 18.0 |
| 250 | 39.4 | 38.3 | 36.3 | 19.8 | 16.8 | 17.3 |