

**超五类信道**

| 频率<br>MHz | NEXT<br>dB | PSNEXT<br>dB | ELFEXT<br>dB | PSELFEXT<br>dB | 回波损耗<br>dB | 插入损耗<br>dB |
|-----------|------------|--------------|--------------|----------------|------------|------------|
| 1         | 60         | 57           | 57.4         | 54.4           | 17         | 2.2        |
| 10        | 47         | 44           | 37.4         | 34.4           | 17         | 7.1        |
| 20        | 42         | 39           | 31.4         | 28.4           | 17         | 10.2       |
| 25        | 40.3       | 37.3         | 29.4         | 26.4           | 16         | 11.4       |
| 31.3      | 38.7       | 35.7         | 27.5         | 24.5           | 15.01      | 12.9       |
| 62.5      | 33.6       | 30.6         | 21.5         | 18.5           | 12.01      | 18.6       |
| 100       | 30.1       | 27.1         | 17.4         | 14.4           | 10         | 24         |

**超五类永久链路**

| 频率<br>MHz | NEXT<br>dB | PSNEXT<br>dB | ELFEXT<br>dB | PSELFEXT<br>dB | 回波损耗<br>dB | 插入损耗<br>dB |
|-----------|------------|--------------|--------------|----------------|------------|------------|
| 1         | 60         | 57           | 58.6         | 55.6           | 19         | 2.1        |
| 10        | 48.5       | 45.5         | 38.5         | 35.6           | 19         | 6.2        |
| 20        | 43.7       | 40.7         | 32.6         | 29.6           | 19         | 8.9        |
| 25        | 42.1       | 39.1         | 30.7         | 27.7           | 18         | 10         |
| 31.3      | 40.5       | 37.5         | 28.7         | 25.7           | 17.1       | 11.2       |
| 62.5      | 35.7       | 32.7         | 22.7         | 19.7           | 14.1       | 16.2       |
| 100       | 32.3       | 29.3         | 18.6         | 15.6           | 12         | 21         |

**超五类电缆**

| 频率<br>MHz | NEXT<br>dB | PSNEXT<br>dB | ELFEXT<br>dB | PSELFEXT<br>dB | 回波损耗<br>dB | 插入损耗<br>dB |
|-----------|------------|--------------|--------------|----------------|------------|------------|
| 1         | 65.3       | 62.3         | 63.8         | 60.8           | 20         | 2          |
| 10        | 50.3       | 47.3         | 43.8         | 40.8           | 25         | 6.5        |
| 20        | 45.8       | 42.8         | 37.7         | 34.8           | 25         | 9.3        |
| 25        | 44.3       | 41.3         | 35.8         | 32.8           | 24.32      | 10.4       |
| 31.3      | 42.9       | 39.9         | 33.9         | 30.9           | 23.64      | 11.7       |
| 62.5      | 38.4       | 35.4         | 27.9         | 24.9           | 21.54      | 17         |
| 100       | 35.3       | 32.3         | 23.8         | 20.8           | 20.11      | 22         |

**超五类连接硬件**

| 频率<br>MHz | NEXT<br>dB | FEXT<br>dB | 回波损耗<br>dB | 插入损耗<br>dB |
|-----------|------------|------------|------------|------------|
| 1         | 65         | 65         | 30         | 0.10       |
| 10        | 63         | 55.1       | 30         | 0.10       |
| 20        | 57         | 49.1       | 30         | 0.20       |
| 25        | 55         | 47.1       | 30         | 0.20       |
| 31.3      | 53.1       | 45.2       | 30         | 0.20       |
| 62.5      | 47.1       | 39.2       | 24.1       | 0.30       |
| 100       | 43         | 35.1       | 20         | 0.40       |

**超五类传播延迟**

- 信道：在 10MHz 时不得超过 555 纳秒
- 链路：在 10MHz 时不得超过 498 纳秒

**超五类延迟偏差**

- 信道：应低于 50 纳秒
- 链路：应低于 44 纳秒

**超五类多股电缆**

| 频率<br>MHz | 回波损耗<br>dB | 插入损耗<br>dB |
|-----------|------------|------------|
| 1         | 20         | 24         |
| 10        | 25         | 7.8        |
| 20        | 25         | 11.1       |
| 25        | 24.2       | 12.5       |
| 31.3      | 23.3       | 14.1       |
| 62.5      | 20.7       | 20.3       |
| 100       | 19         | 26.4       |

**超五类跳线**

| 频率<br>MHz | 回波损耗<br>dB | Next dB<br>2 米长 | Next dB<br>5 米长 | Next dB<br>10 米长 |
|-----------|------------|-----------------|-----------------|------------------|
| 1         | 19.8       | 65              | 65              | 65               |
| 10        | 22.8       | 54.5            | 53.7            | 52.8             |
| 20        | 23.7       | 48.6            | 47.9            | 47.1             |
| 25        | 24         | 46.7            | 46              | 45.3             |
| 31.3      | 23         | 44.8            | 44.2            | 43.6             |
| 62.5      | 20         | 39              | 38.5            | 38.1             |
| 100       | 18         | 35.1            | 34.8            | 34.6             |