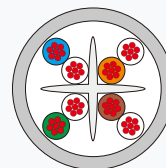


UTP Cat6 Stranded



Technical data

- **Temperature range(°C):** -20 to 70
- **Velocity ratio(%):** 66
- **Linear resistance (max.):** <154 Ohm/km
- **Mutual capacity (nom.):** 42 pF/m
- **Characteristic impedance:**
(From 1 to 100 MHz) 100 ± 15 Ohm
(From 100 to 250 MHz) 100 ± 20 Ohm
- **Bending radius (min.):** 8 x cable diameter
- **Flame retardancy:** CMP, CMR, CMG, CM
- **UL file number is E334179**

Features and benefits

- Exceeds CAT6 standard specifications
- To be used for CAT6 patch cords
- Available in different colors on request

Standards and performances

- **CABLE:** - IEC 61156-6
- EN 50288-6-2
- **SYSTEM:** - EIA/TIA 568-B.2-1 CAT6
- ISO 11801 Edition 2 - CLASS D
- EN 50173 Edition 2 – CLASS D

Network applications

- ISDN - VoIP
- TOKEN RING 4/16 Mbits - 100 VG-AnyLAN
- TP-PMD/TP-DDI - ATM 155, 622, 1200 Mbits
- ETHERNET: 10 Base T, 100 Base Tx, 100 Base T4, 1000 Base T

Construction

| | |
|------------------------|-------------------|
| Conductor | 26AWG Stranded BC |
| Insulation | HDPE |
| Flat filler | Low density PE |
| Jacket (dia.mm) | PVC 5.7 |
| No. of pairs | 4 |

| Frequency (MHz) | Insertion Loss (dB/100m) | NEXT (dB/100m) | Return Loss (dB/100m) |
|-----------------|--------------------------|----------------|-----------------------|
| 1 MHz | 3.0 | 74.3 | 20.0 |
| 4 MHz | 6.0 | 65.3 | 23.3 |
| 10 MHz | 9.0 | 59.3 | 25.0 |
| 16 MHz | 11.0 | 56.2 | 25.0 |
| 20 MHz | 13.0 | 53.3 | 24.2 |
| 25 MHz | 16.0 | 51.9 | 23.3 |
| 31.25 MHz | 30.0 | 44.3 | 19.0 |
| 62.50 MHz | 44.0 | 39.8 | 16.4 |
| 100 MHz | 49.0 | 38.3 | 15.6 |