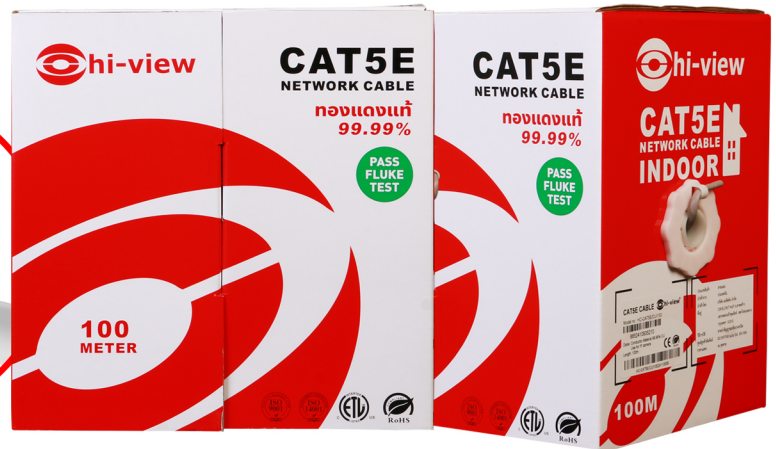
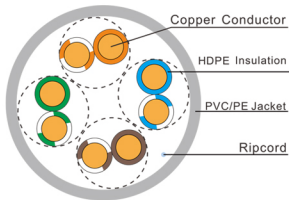


HC-CAT5E/CUI100



KEY FEATURES

- > ANSI/TIA 568-2.D category 5e verified
- > Complies with ISO/IEC 11801 2nd Ed. category 5e
- > Flame retardant PVC Jacket
- > Reach & RoHS 2 compliant
- > Supports PoE up to 60 Watts

SPECIFICATIONS

CONSTRUCTION

- Conductor Size:** 24 AWG
- Conductor Material:** 99.99% copper
- Pair Count:** 4 Pairs
- Overall Cable Diameter:** 4.8 ± 0.2mm
- Packaging:** 100m
- INNER PULL BOX SIZE:** 27.5x27.5x19.5CM

ELECTRICAL

- Maximum Delay Skew:** 45 ns/100 m
- Input Impedance:** 100 ± 15 Ohm (1-100 MHz)

ELECTRICAL CHARACTERISTICS

Electrical characteristics

| Frequency MHz | Impedance Ohm | RL ≥dB | Attenuation ≤ dB/100m | NEXT ≥ dB/100m | ELFEXT ≥ dB/100m | PS NEXT ≥ dB/100m | PS ELFEXT ≥ dB/100m | NVP |
|------------------|------------------|-----------|-----------------------------|----------------------|------------------------|-------------------------|---------------------------|-----|
| 1 | 100±5 | 20.0 | 2.0 | 65.3 | 63.8 | 62.4 | 60.0 | 69% |
| 4 | | 23.0 | 4.1 | 56.3 | 51.7 | 54.3 | 48.7 | |
| 10 | | 25.0 | 6.5 | 50.3 | 43.4 | 47.3 | 40.8 | |
| 16 | | 25.0 | 8.2 | 47.3 | 39.6 | 44.2 | 36.7 | |
| 20 | | 25.0 | 9.3 | 48.5 | 37.7 | 42.8 | 34.7 | |
| 31.25 | | 23.6 | 11.6 | 42.9 | 33.9 | 39.9 | 30.9 | |
| 62.5 | | 21.5 | 17.0 | 38.4 | 27.8 | 35.4 | 24.8 | |
| 100 | | 20.1 | 22.0 | 35.3 | 23.8 | 32.3 | 20.8 | |
| * 155 | 100±18 | 18.8 | 28.1 | 32.4 | 20.2 | 29.4 | 17.2 | |
| * 200 | | 18.0 | 32.4 | 30.8 | 18.0 | 27.8 | 15.0 | |
| * 310 | 100±22 | 16.7 | 41.8 | 27.9 | 14.2 | 24.9 | 11.2 | |
| * 350 | | 16.3 | 44.9 | 27.1 | 13.1 | 24.1 | 10.1 | |

1: ANSI/TIA-568.2-D horizontal cable transmission performance limits
 2: HI-VIEW guaranteed performance
 3: Calculated, ACR=NEXT-IL
 4: Calculated, PSACR=PSNEXT-IL
 5: Pass Perm. Link 90m

