



NF-CAT5E-UTP-305

CAT5E Solid Copper Core Cable



| Specifications | | | | | | | |
|--|------------------|-----------|-------------|--|-------------|------------------|------------|
| Conductor | | | | | | | |
| Conductor Material | | | | Solid Annealed Bare Copper | | | |
| Conductor Construction | | | | 0.47±0.01 | | | |
| Insulation | | | | | | | |
| Insulation material | | | | HDPE | | | |
| Insulation diameter(mm) | | | | 0.83±0.05 | | | |
| Average thickness(mm) | | | | 0.18 | | | |
| Colour | | | | Blue, White/Blue, Orange, White/Orange, Green, White/Green, Brown, White/Brown | | | |
| Rip-cord | | | | | | | |
| Rip-cord | | | | Yes | | | |
| Jacket | | | | | | | |
| Jacket Material | | | | PVC | | | |
| Jacket diameter(mm) | | | | 4.8±0.3 | | | |
| Average thickness(mm) | | | | 0.50 | | | |
| Colour | | | | Customize | | | |
| Electrical & Physical Characteristics | | | | | | | |
| Conductor DCR 20 °C | | | | ≤117Ω/km | | | |
| Operational temperature | | | | -20°C~+70°C | | | |
| Characteristic impedance(Ohm) | | | | 1~100MHz:100±15 | | | |
| Flammability test | | | | CPR Eca | | | |
| Link transmission performance (90M) | | | | | | | |
| Frequency (MHz) | Attenuation (dB) | NEXT (dB) | PSNEXT (dB) | ACRF (dB) | PSACRF (dB) | Return loss (dB) | Delay (ns) |
| 1.0 | 2.1 | 60.0 | 57.0 | 58.6 | 55.6 | 19.0 | 521.0 |
| 4.0 | 3.9 | 54.8 | 51.8 | 46.6 | 43.6 | 19.0 | 504.0 |
| 8.0 | 5.5 | 50.0 | 47.0 | 40.6 | 37.6 | 19.0 | 500.0 |
| 10.0 | 6.2 | 48.5 | 45.5 | 38.6 | 35.6 | 19.0 | 498.0 |
| 16.0 | 7.9 | 45.2 | 42.2 | 34.5 | 31.5 | 19.0 | 496.0 |
| 20.0 | 8.9 | 43.7 | 40.7 | 32.6 | 29.6 | 19.0 | 495.0 |
| 25.0 | 10.0 | 42.1 | 39.1 | 30.7 | 27.7 | 18.0 | 495.0 |
| 31.3 | 11.2 | 40.5 | 37.5 | 28.7 | 25.7 | 17.1 | 494.0 |
| 62.5 | 16.2 | 35.7 | 32.7 | 22.7 | 19.7 | 14.1 | 492.0 |
| 100.0 | 21.0 | 32.2 | 29.3 | 18.6 | 15.6 | 12.0 | 491.0 |