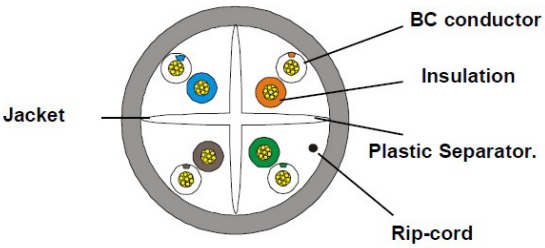
Danicom
Connecting IT

Datasheet

# Cat6 - UTP - STRANDED - PVC

| | |
|---|---|
| Category | U/UTP CAT6-4P-PVC |
| Reference | ISO/IEC 11801 TIA-568-C.2 |
| CPR Classification | Fca |
| Material | Stranded - 100% copper |
| Shielding class | UTP |
| AWG | 26 |
| Diameter cable | 5,4 mm |
| Length | 305m |
| Transfer frequency | 250.0 MHz |
| Bending radius | 8x Diameter cable |
| Tensile Strength (Mpa) | ≥ 12.5 |
| Type of cable sheathing | PVC |
| Color | Grey |
| Core color | 1 - White-Blue/ Blue |
| | 2 - White-Orange/ Orange |
| | 3 - White-Green/ Green |
| | 4 - White-Brown/ Brown |
| Rip-cord | Yes |
| Packing | Pull box |




**Technical performance (<30m):**

| Frequency (Mhz) | RL ≥dB | ATT ≤dB | NEXT ≥dB | Phase DELAY ≤ns |
|---|---|---|---|---|
| 1 | 19.1 | 3.0 | 65.0 | 521 |
| 4.0 | 21.0 | 3.5 | 64.1 | 504 |
| 8.0 | 21.0 | 5.0 | 59.4 | 500 |
| 10.0 | 21.0 | 5.5 | 57.8 | 498 |
| 16.0 | 20.0 | 7.0 | 54.6 | 496 |
| 20.0 | 19.5 | 7.9 | 53.1 | 495 |
| 25.0 | 19.0 | 8.9 | 51.5 | 495 |
| 31.25 | 18.5 | 10.0 | 50.0 | 494 |
| 62.5 | 16.0 | 14.4 | 45.1 | 492 |
| 100 | 14.0 | 18.6 | 41.8 | 491 |
| 200 | 11.0 | 27.4 | 36.9 | 490 |
| 250 | 10.0 | 31.1 | 35.3 | 490 |

| Frequency (Mhz) | PSNEXT ≥dB | ELFEXT ≤dB | PSELFEXT ≥dB |
|---|---|---|---|
| 1 | 62.0 | 64.2 | 61.2 |
| 4.0 | 61.8 | 52.1 | 49.1 |
| 8.0 | 57.0 | 46.1 | 43.1 |
| 10.0 | 55.5 | 44.2 | 41.2 |
| 16.0 | 52.2 | 40.1 | 37.1 |
| 20.0 | 50.7 | 38.2 | 35.2 |
| 25.0 | 49.1 | 36.2 | 33.2 |
| 31.25 | 47.5 | 34.3 | 31.3 |
| 62.5 | 42.7 | 28.3 | 25.3 |
| 100 | 39.3 | 24.2 | 21.2 |
| 200 | 34.3 | 18.2 | 15.2 |
| 250 | 32.7 | 16.2 | 13.2 |