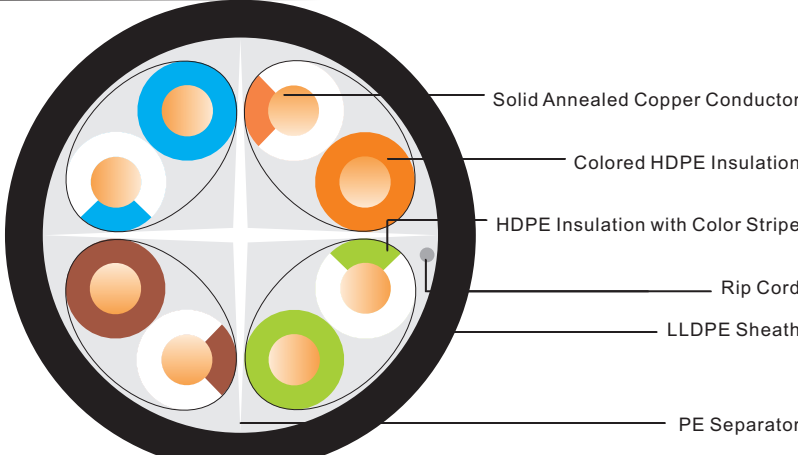



UTP Category 6 Outdoor(LTAC6250B-CMX)

| Cross-Sectional View | Packing |
|---|--|
|  |  |

| Sheath Printing | Maximum Referenced Frequency |
|--|------------------------------|
| CAT6 UTP OUTDOOR EIA/TIA-568-C.2 4PR 23AWG CMX UV RESISTANT ROHS COMPLIANT S1747 xxxx FT | 250 MHZ |

| Reference Standards | | Physical Characteristics | | |
|---------------------------|--------------------------|---|----------------------------------|---------------------|
| YD/T1019-2013 | | Test items | | Copper Conductor |
| ANSI/TIA-568B-C.2 | | Tensile Strength (Mpa) | | ≥ 200 |
| ISO/IEC11801 IEC61156.5 | | Elongation (%) | | ≥ 15 |
| UI444, CE, RoHS | | Test Items | | Insulation |
| Cable Construction | | Unaged | | |
| Conductor | Solid Oxygen-free Copper | Elongation (%) | | ≥ 300 |
| Number of Pairs | 4P | Aging Conditions (° C) PVC | | |
| Conductor OD | 23AWG 0.56 (+/-0.005)mm | Aged | Tensile Strength Change Rate | ≤ Before Ageing±20% |
| Insulation Material | HDPE | | Variation of Elongation at Break | ≤ Before Ageing±20% |
| Insulation OD | 1.02(+/-0.03)mm | Changes in the Value of Thermal Shrinkage (100°C ±2, 1h, %) | | ≤ 5 |
| Sheath Material | LLDPE (UV Resistant) | Cold Bending (-40±2°C, 1Hour, 6mm) | | No Cracking |
| Sheath Thickness | 0.55 (+/-0.05)mm | Test Items | | Sheath |
| Sheath OD | 6.2 (+/-0.05)mm | | | |
| Operating Temperature | -20°C to 60°C | Unaged | | ≥ 19.0 |
| Lay Length (mm) | ≤ 30 | | | |
| Cable Make up Length (mm) | ≤ 140 | Elongation (%) | | ≥ 600 |
| Net Weight | 11kg/305m | | | |
| Pair Colors | | Aging Conditions (° C) | | |
| P1 | Blue, White/Blue | Aged | Tensile Strength Change Rate | ≤ Before Ageing±20% |
| P2 | Orange, White/Orange | | | |
| P3 | Green, White/Green | | Variation of Elongation at Break | ≤ Before Ageing±20% |
| P4 | Brown, White/Brown | | | |

| Performance Parameters: FLUKE Permanent Link Test | | | | | | | | | |
|---|-------------|-------------|-----------|--------------|------------|---------|---------------|------------|----------|
| Frequency | Propagation | Attenuation | TCL (Min) | EL TCL (Min) | NEXT (Min) | PS NEXT | EL FEXT (Min) | PS EL FEXT | RL (Min) |
| | m/s | dB | dB | dB | dB | dB | dB/100m | dB/100m | dB |
| 4 | ≥ 0.604C | 3.8 | 44 | 23 | 66.3 | 63.3 | 56 | 53 | 23 |
| 8 | ≥ 0.610C | 5.3 | 41 | 16.9 | 61.8 | 58.8 | 49.9 | 46.9 | 24.5 |
| 10 | ≥ 0.612C | 6 | 40 | 15 | 60.3 | 57.3 | 48 | 45 | 25 |
| 16 | ≥ 0.614C | 7.6 | 38 | 10.9 | 57.2 | 54.2 | 43.9 | 40.9 | 25 |
| 20 | ≥ 0.615C | 8.5 | 37 | 9 | 55.8 | 52.8 | 42 | 39 | 25 |
| 25 | ≥ 0.616C | 9.5 | 36 | 7 | 54.3 | 51.3 | 40 | 37 | 24.3 |
| 31.25 | ≥ 0.617C | 10.7 | 35.1 | / | 52.9 | 49.9 | 38.1 | 35.1 | 23.6 |
| 62.5 | ≥ 0.618C | 15.4 | 32 | / | 48.4 | 45.4 | 32.1 | 29.1 | 21.5 |
| 100 | ≥ 0.619C | 19.8 | 30 | / | 45.3 | 42.3 | 28 | 25 | 20.1 |
| 200 | ≥ 0.620C | 29 | 27 | / | 40.8 | 37.8 | 22 | 19 | 18 |
| 250 | ≥ 0.622C | 32.8 | 26 | / | 39.3 | 36.3 | 20 | 17 | 17.3 |