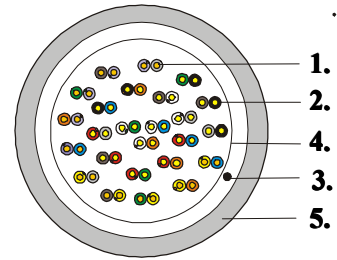


LAN CABLE

REF : U/UTP 25 pairs cable - category 3 - 16MHz - PE Sheath

| | | | | | | | |
|---|---|----------------------|--|----------------------------------|----------------------|--|--------|
| Product Description: Bare solid copper conductor Rohs/REACH complied PEJacket Installation temperature:-30℃~+50℃ | | | 10 Base-T 100 BASE-T4 Telephone Voice Wiring | | | | |
| Content of the Data Sheet | | | | | | | |
| Category | U/UTP CAT3-25P-PE | | | | | | |
| Test Standard | ISO/IEC11801,TIA-568-C.2, EN 50173 YD/T1019 | | | | | | |
| 1.Conductor | Material | SOLID-Bare Copper | | | | | |
| | Nom. O.D. (mm) | 0.50 | Up | +0.005mm | | | |
| | | | Down | -0.005mm | | | |
| 2.Insulation | Material | HDPE | | | | | |
| | Diameter | 0.87±0.02mm | | | | | |
| Color | Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. Br./Re.-Br. Gr./ Re.-Gr. Bl./ Bla.-Bl. Ora./ Bla.-Ora. Gn./ Bla.-Gn.Br./ Bla.-Br. Gr./ Bla.-Gr. Bl./ Yel.-Bl. Ora./ Yel.-Ora. Gn./ Yel.-Gn. Br./ Yel.-Br. Gr./ Yel.-Gr. Bl./ Pur.-Bl. Ora./ Pur.-Ora. Gn/ Pur.-Gn.Br./ Pur.-Br. Gr./ Pur.-Gr. | | | Sheath Physical Properties | Before Aging | Tensile Strength (Mpa) | ≥10.0 |
| | | | | | Elongation (%) | ≥350 | |
| | | | | | Aging Period (℃×hrs) | 100℃×24h×10d | |
| 3.Rip-cord | Yes | Drain wire | No | | After Aging | Elongation (%) | ≥300 |
| 4.Shielded | Polyester | | | | | | |
| 5.Sheath | Thickness | 0.85±0.4 mm | | | | | |
| | External O.D. | 11.3±0.8mm | | | | | |
| | Surface | Clean,Frap,Satiation | | | | | |
| | Material | PE | | | | | |
| | Color | Black | | | | | |
| Surface Printing | Letter height | 3.0±0.3mm | | | | | |
| | Color | White | | | | | |
| | Print error & Space | ≤±1%, 1m | | | | | |
| Packing | Drum | | | | | | |
| Packing length | 305±1.5m/ 500±2.5m | | | | | | |
| Electrical Characteristics (20℃) | | | | | | 1.0-16.0MHz, impedance (Ω) | 100±15 |
| | | | | | | Delay Shew 20℃(ns/100m) | ≤45 |
| | | | | | | NVP | 65% |
| | | | | | | Capacitance(nF/100m) max: | 6.6 |
| | | | | | | DC ResistanceΩ/100m) max | 9.5 |
| | | | | | | DC Conductor Resistance Unbalance(%) max | 5.0 |
| Note: Structure is 3P+9P+13P, the pairs in three layers. | | | | | | | |



LAN CABLE

| Technical Performance (100m): | | | | | | | | |
|-------------------------------|------|------|------|-------------|------------------|------|--------|----------|
| Frequency RL | | ATT | NEXT | PHASE DELAY | Frequency PSNEXT | | ELFEXT | PSELFEXT |
| (MHz) | ≥dB | ≤dB | ≥dB | ≤ns | (MHz) | ≥dB | ≥dB | ≥dB |
| 1 | 12.0 | 2.6 | 41.3 | 570.00 | 1 | 41.3 | 39.0 | 39.0 |
| 4.0 | 12.0 | 5.6 | 32.3 | 552.00 | 4 | 32.3 | 26.9 | 26.9 |
| 8.0 | 12.0 | 8.5 | 27.8 | 546.73 | 8 | 27.8 | 20.9 | 20.9 |
| 10.0 | 12.0 | 9.7 | 26.3 | 545.38 | 10 | 26.3 | 19.0 | 19.0 |
| 16.0 | 9.95 | 13.1 | 23.3 | 543.00 | 16 | 23.3 | 14.9 | 14.9 |

LAN CABLE

REF : U/UTP 25 pairs cable - category 3 - 16MHz - PVC Sheath

| | |
|--|--|
| Product Description: Rated temperature: 60°C,75°C, 90°C Reference Standard: UL444,UL1581 ,UL1666 Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CMX,CM,CMR Installation temperature: -30°C~+50°C | 10 Base-T 100 BASE-T4 Telephone Voice Wiring |
|--|--|

Content of the Data Sheet

| | | | | |
|------------------|---|------------------------|----------|----------------------------------|
| Category | U/UTP CAT3-25P-PVC | | | |
| Test Standard | ISO/IEC11801,TIA-568-C.2, EN 50173 YD/T1019 | | | |
| 1. Conductor | Material | SOLID-Bare Copper | | |
| | Nom. O.D. (mm) | 0.50 | Up | |
| Down | | | -0.005mm | |
| 2. Insulation | Material | HDPE | | |
| | Diameter | 0.87±0.02mm | | |
| Color | Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. Br./Re.-Br. Gr./ Re.-Gr. Bl./ Bla.-Bl. Ora./ Bla.-Ora. Gn./ Bla.-Gn.Br./ Bla.-Br. Gr./ Bla.-Gr. Bl./ Yel.-Bl. Ora./ Yel.-Ora. Gn./ Yel.-Gn. Br./ Yel.-Br. Gr./ Yel.-Gr. Bl./ Pur.-Bl. Ora./ Pur.-Ora. Gn/ Pur.-Gn.Br./ Pur.-Br. Gr./ Pur.-Gr. | | | Sheath Physical Properties |
| 3. Rip-cord | Yes | Drain wire | No | |
| 4. Shielded | Polyester | | | |
| 5. Sheath | Thickness | 0.85±0.4 mm | | |
| | External O.D. | 11.3±0.8mm | | |
| | Surface | Clean, Frap, Satiation | | |
| | Material | PVC | | |
| | Color | Multiple | | |
| Surface Printing | Letter height | 3.0±0.3mm | | |
| | Color | Black | | |
| | Print error & Space | ≤±1%, 1m | | |
| Packing | Drum | | | |
| Packing length | 305±1.5m/ 500±2.5m | | | |

| | | |
|--|------------------------|-------------------|
| Before Aging | Tensile Strength (Mpa) | ≥13.5 |
| | Elongation (%) | ≥150 |
| Aging Period (°C×hrs) | | 100°C×24h×7d |
| After Aging | Tensile Strength (Mpa) | ≥12.5 |
| | Elongation (%) | ≥125 |
| Cold bend (-20±2°C×4h) | | No visible cracks |
| 1.0-16.0MHz, impedance (Ω) | | 100±15 |
| Delay Shew 20°C (ns/100m) | | ≤45 |
| NVP | | 65% |
| Capacitance(nF/100m) max: | | 6.6 |
| DC Resistance(Ω/100m) max | | 9.5 |
| DC Conductor Resistance Unbalance(%) max | | 5.0 |

Note: Structure is 3P+9P+13P, the pairs in three layers.

LAN CABLE

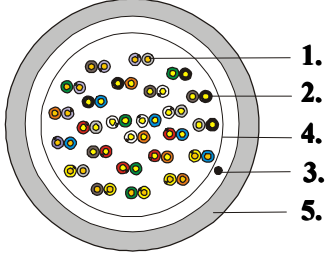
| Technical Performance (100m): | | | | | | | | |
|-------------------------------|------|------|------|-------------|------------------|------|--------|----------|
| Frequency RL | | ATT | NEXT | PHASE DELAY | Frequency PSNEXT | | ELFEXT | PSELFEXT |
| (MHz) | ≥dB | ≤dB | ≥dB | ≤ns | (MHz) | ≥dB | ≥dB | ≥dB |
| 1 | 12.0 | 2.6 | 41.3 | 570.00 | 1 | 41.3 | 39.0 | 39.0 |
| 4.0 | 12.0 | 5.6 | 32.3 | 552.00 | 4 | 32.3 | 26.9 | 26.9 |
| 8.0 | 12.0 | 8.5 | 27.8 | 546.73 | 8 | 27.8 | 20.9 | 20.9 |
| 10.0 | 12.0 | 9.7 | 26.3 | 545.38 | 10 | 26.3 | 19.0 | 19.0 |
| 16.0 | 9.95 | 13.1 | 23.3 | 543.00 | 16 | 23.3 | 14.9 | 14.9 |

LAN CABLE

REF : U/UTP 25 pairs cable - category 3 - 16MHz - LSZH Sheath

| | |
|---|--|
| Product Description: Rated temperature: 90°C Reference Standard:UL444,UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1 ,IEC60332-3C Installation temperature:-30°C~+50°C | 10 Base-T 100 BASE-T4 Telephone Voice Wiring |
|---|--|

Content of the Data Sheet

| | | | | | | | |
|------------------|---|-----------------------|--------------|---|--|------------------------|--------|
| Category | U/UTP CAT3-25P-LSZH | | |  | | | |
| Test Standard | ISO/IEC11801,TIA-568-C.2, EN 50173 YD/T1019 | | | | | | |
| 1.Conductor | Material | SOLID-Bare Copper | | | | | |
| | Nom. O.D. (mm) | 0.50 | Up | | +0.005mm | | |
| Down | | | -0.005mm | | | | |
| 2.Insulation | Material | HDPE | | | | | |
| | Diameter | 0.87±0.02mm | | | | | |
| Color | Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. Br./Re.-Br. Gr./ Re.-Gr. Bl./ Bla.-Bl. Ora./ Bla.-Ora. Gn./ Bla.-Gn.Br./ Bla.-Br. Gr./ Bla.-Gr. Bl./ Yel.-Bl. Ora./ Yel.-Ora. Gn./ Yel.-Gn. Br./ Yel.-Br. Gr./ Yel.-Gr. Bl./ Pur.-Bl. Ora./ Pur.-Ora. Gn/ Pur.-Gn.Br./ Pur.-Br. Gr./ Pur.-Gr. | | | Sheath Physical Properties | Before Aging | Tensile Strength (Mpa) | ≥10.0 |
| | | Elongation (%) | ≥125 | | | | |
| | | Aging Period (°C×hrs) | 100°C×24h×7d | | | | |
| 3.Rip-cord | Yes | Drain wire | No | | After Aging | Tensile Strength (Mpa) | ≥8.0 |
| | | | | | Elongation (%) | ≥100 | |
| 4.Shielded | Polyester | | | Cold bend (-20±2°C×4h) | No visible cracks | | |
| 5.Sheath | Thickness | 0.85±0.4 mm | | Electrical Characteristics (20°C) | 1.0-16.0MHz, | impedance (Ω) | 100±15 |
| | External O.D. | 11.3±0.8mm | | | Delay Shew 20°C (ns/100m) | ≤45 | |
| | Surface | Clean,Frap,Satiation | | | NVP | 65% | |
| | Material | LSZH | | | Capacitance(nF/100m) max: | 6.6 | |
| | Color | Multiple | | | DC ResistanceΩ/100m) max | 9.5 | |
| Surface Printing | Letter height | 3.0±0.3mm | | | DC Conductor Resistance Unbalance(%) max | 5.0 | |
| | Color | Black | | | | | |
| | Print error & Space | ≤±1%, 1m | | | | | |
| Packing | Drum | | | | | | |
| Packing length | 305±1.5m/ 500±2.5m | | | | | | |

Note: Structure is 3P+9P+13P, the pairs in three layers.

LAN CABLE

| Technical Performance (100m): | | | | | | | | |
|-------------------------------|------|------|------|-------------|------------------|------|--------|----------|
| Frequency RL | | ATT | NEXT | PHASE DELAY | Frequency PSNEXT | | ELFEXT | PSELFEXT |
| (MHz) | ≥dB | ≤dB | ≥dB | ≤ns | (MHz) | ≥dB | ≥dB | ≥dB |
| 1 | 12.0 | 2.6 | 41.3 | 570.00 | 1 | 41.3 | 39.0 | 39.0 |
| 4.0 | 12.0 | 5.6 | 32.3 | 552.00 | 4 | 32.3 | 26.9 | 26.9 |
| 8.0 | 12.0 | 8.5 | 27.8 | 546.73 | 8 | 27.8 | 20.9 | 20.9 |
| 10.0 | 12.0 | 9.7 | 26.3 | 545.38 | 10 | 26.3 | 19.0 | 19.0 |
| 16.0 | 9.95 | 13.1 | 23.3 | 543.00 | 16 | 23.3 | 14.9 | 14.9 |
