# 6A20025        |

6 Series Copper Cable, category 6A, 4 pair, F/UTP, LSZH, 23 AWG, 1000 ft, light pink

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia   |  Australia/New Zealand   | Latin America |
| **Portfolio** | LITANG® |
| **Product Type** | Twisted pair cable |
| **Product Series** | 6 Series |

## General Specifications

| | |
|---|---|
| **ANSI/TIA Category** | 6A |
| **Cable Component Type** | Horizontal |
| **Cable Type** | F/UTP (shielded) |
| **Conductor Type, singles** | Solid |
| **Conductors, quantity** | 8 |
| **Jacket Color** | Pink |
| **Pairs, quantity** | 4 |
| **Transmission Standards** | ANSI/TIA-568-C.2  |  CENELEC EN 50288-6-1   | ISO/IEC 11801 Class EA |

## Dimensions

| | |
|---|---|
| **Cable Length** | 1000 ft | 304.8 m |
| **Diameter Over Jacket, nominal** | 0.283 in | 7.188 mm |
| **Conductor Gauge, singles** | 23 AWG |

## Cross Section Drawing

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# 6A20025 |



- Conductor
- Insulation
- Core: 4 Pairs cabled together
- Twisted Pair
- Aluminum Foil Shielded
- Drain wire
- Jacket
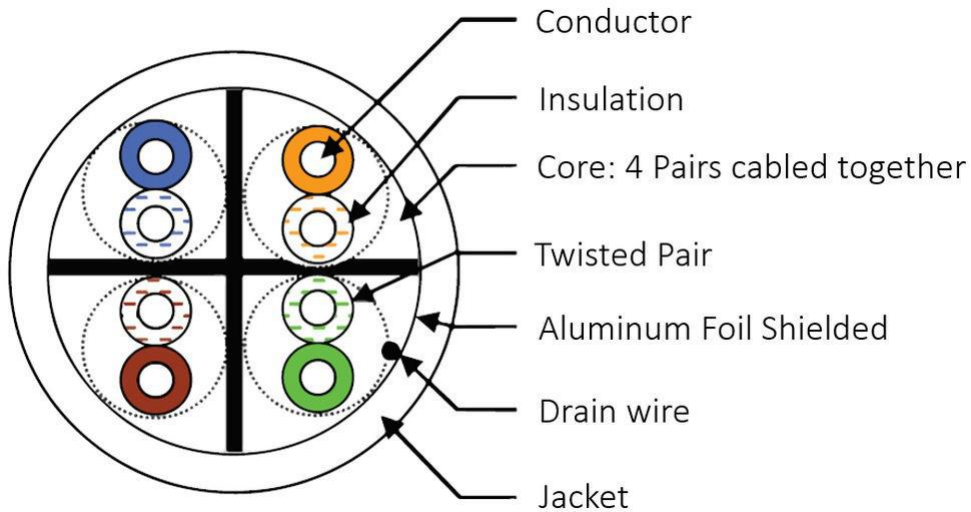
## Electrical Specifications

| | |
|---|---|
| **Characteristic Impedance** | 100 ohm |
| **Characteristic Impedance Tolerance** | ±15 ohm |
| **dc Resistance, maximum** | 6.66 ohms/100 m \| 2.03 ohms/100 ft |
| **Delay Skew, maximum** | 45 ns |
| **Mutual Capacitance at Frequency** | 5.6 nF/100 m @ 500 MHz |
| **Nominal Velocity of Propagation (NVP)** | 64 % |
| **Operating Voltage, maximum** | 80 V |
| **Remote Powering** | Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A |

## Material Specifications

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| | |
|---|---|
| **Conductor Material** | Bare copper |
| **Insulation Material** | Polyolefin |
| **Jacket Material** | Low Smoke Zero Halogen (LSZH) |
| **Shield (Tape) Material** | Aluminum/Polyester |

## Environmental Specifications

| | |
|---|---|
| **Operating Temperature** | -20 °C to +60 °C (-4 °F to +140 °F) |
| **Acid Gas Test Method** | IEC 60754-2 |
| **Flame Test Method** | IEC 60332-1 |
| **Smoke Test Method** | IEC 61034-2 |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 40.39 lb/kft \| 5.584 kg/km |
| **Packaging Type** | Reel |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.litangcables.com/ProductCompliance |
| ROHS | Compliant |

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