

6A20253

Category 6A, F/UTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1000 ft (305 m) length reel

Product Classification

| | |
|------------------------------|--------------------|
| Regional Availability | MEA |
| Portfolio | LITANG® |
| Product Type | Twisted pair cable |

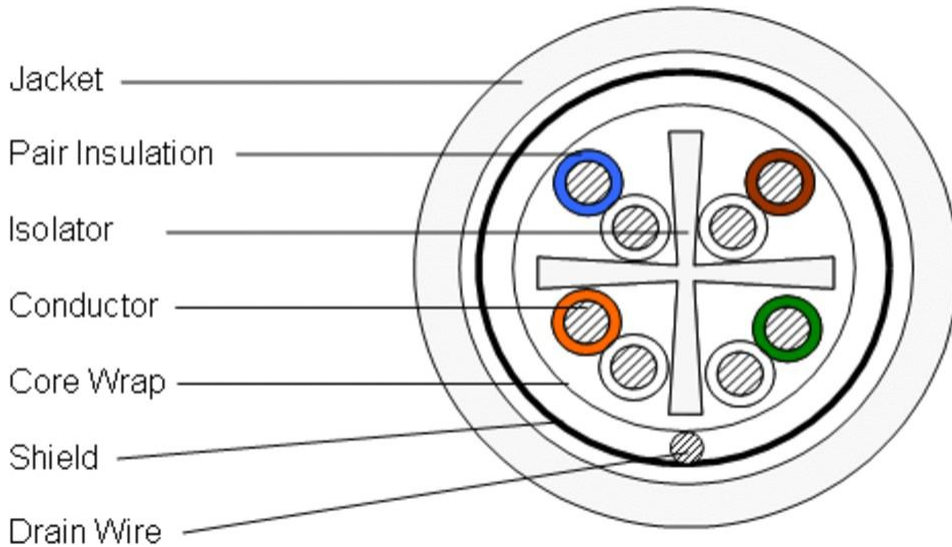
General Specifications

| | |
|--------------------------------|--|
| Product Number | 6A20253 |
| ANSI/TIA Category | 6A |
| Cable Component Type | Horizontal |
| Cable Type | F/UTP (shielded) |
| Conductor Type, singles | Solid |
| Conductors, quantity | 8 |
| Drain Wire Type | Solid |
| Jacket Color | White |
| Note | All electrical transmission tests include swept frequency measurements |
| Pairs, quantity | 4 |
| Separator Type | Isolator |
| Transmission Standards | ANSI/TIA-568-C.2 ISO/IEC 11801 Class EA |

Dimensions

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| Cable Length | 1000 ft 304.8 m |
| Diameter Over Jacket, nominal | 0.296 in 7.518 mm |
| Conductor Gauge, singles | 23AWG |
| Drain Wire Gauge | 26AWG |

Cross Section Drawing



Electrical Specifications

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|--|---|
| Characteristic Impedance | 100 ohm |
| Characteristic Impedance Tolerance | ±15 ohm |
| dc Resistance, maximum | 8 ohms/100 m 2.438 ohms/100 ft |
| Delay Skew, maximum | 45 ns |
| Dielectric Strength, minimum | 1500 Vac 2500 Vdc |
| Mutual Capacitance at Frequency | 5.6 nF/100 m @ 1kHz |
| Nominal Velocity of Propagation (NVP) | 64 % |
| Operating Frequency, maximum | 500 MHz |
| 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, |

6A20253

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 |

Mechanical Specifications

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|---------------------------------|------------------|
| Pulling Tension, maximum | 25 lb 11.34 kg |
|---------------------------------|------------------|

Environmental Specifications

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|---------------------------------|-------------------------------------|
| Installation temperature | 0 °C to +60 °C (+32 °F to +140 °F) |
| Operating Temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Acid Gas Test Method | IEC 60754-2 |
| Environmental Space | Low Smoke Zero Halogen (LSZH) |
| Flame Test Method | IEC 60332-1 |
| Smoke Test Method | IEC 61034-2 |

Packaging and Weights

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| Packaging Type | Reel |
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