



GigaSPEED X10D® 1091SD ETL Verified Category 6A U/UTP Cable, slate jacket, 4 pair count, 3000 ft (914 m) length, reel

- Ideal solution where space is a concern – 0.265" outer diameter maximum utilizing a specially designed non-conductive tape around the 4 pairs
- Part of the SYSTIMAX GigaSPEED X10D family of products
- Meets and exceeds performance specifications for all channel configurations currently supported by the GigaSPEED X10D system

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand Latin America Middle East/Africa North America |
| Portfolio | SYSTIMAX® |
| Product Type | Twisted pair cable |
| Product Brand | GigaSPEED X10D® |

General Specifications

| | |
|--------------------------------|--|
| Product Number | 1091SD |
| ANSI/TIA Category | 6A |
| Cable Component Type | Horizontal |
| Cable Type | U/UTP (unshielded) |
| Conductor Type, singles | Solid |
| Conductors, quantity | 8 |
| Jacket Color | Slate |
| Note | Consult ANSI/TIA-568-C.2 Annex G for length de-rating guidance for cable installation in higher temperature environments |
| Pairs, quantity | 4 |
| Separator Type | Isolator |
| Transmission Standards | ANSI/TIA-568.2-D |

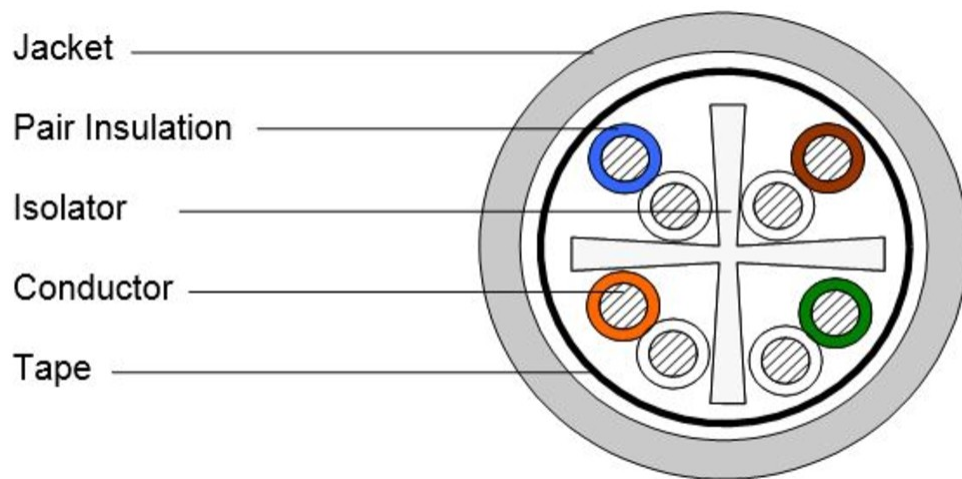
Dimensions

| | |
|--|---------------------|
| Cable Length | 914.4 m 3000 ft |
| Diameter Over Insulated Conductor | 1.148 mm 0.045 in |
| Diameter Over Jacket, nominal | 6.731 mm 0.265 in |

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| | |
|---------------------------------|---------------------|
| Jacket Thickness | 0.406 mm 0.016 in |
| Conductor Gauge, singles | 23 AWG |

Cross Section Drawing



Electrical Specifications

| | |
|--|---|
| dc Resistance Unbalance, maximum | 4 % |
| dc Resistance, maximum | 8 ohms/100 m 2.438 ohms/100 ft |
| Dielectric Strength, minimum | 1500 Vac 2500 Vdc |
| LP (Limited Power) Rating | 0.5 A |
| Mutual Capacitance at Frequency | 5.6 nF/100 m @ 1 kHz |
| Nominal Velocity of Propagation (NVP) | 70 % |
| 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, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A |

Material Specifications

| | |
|----------------------------|--------------------|
| Conductor Material | Bare copper |
| Insulation Material | Polyolefin |
| Jacket Material | PVC |
| Separator Material | Polyolefin |
| Tape Material | Poly/Aluminum/Poly |

Mechanical Specifications

Pulling Tension, maximum 11.34 kg | 25 lb

Environmental Specifications

Installation temperature 0 °C to +60 °C (+32 °F to +140 °F)

Operating Temperature -20 °C to +75 °C (-4 °F to +167 °F)

Environmental Space Non-plenum

Temperature Rating, UL 75 °C | 167 °F

Flame Test Method CMR

Packaging and Weights

Cable weight 40.18 kg/km | 27 lb/kft

Packaging Type Reel

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |