GigaSPEED X10D® 1091SD ETL Verified Category 6A U/UTP Cable

- 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

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

- Diameter Over Insulated Conductor: 1.148 mm | 0.045 in
- Diameter Over Jacket, nominal: 6.731 mm | 0.265 in
- 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