

GigaSPEED X10D® 1091SD ETL Verified Category 6A U/UTP Cable, slate jacket, 4 pair count, 1000 ft (305 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®                                                                   |

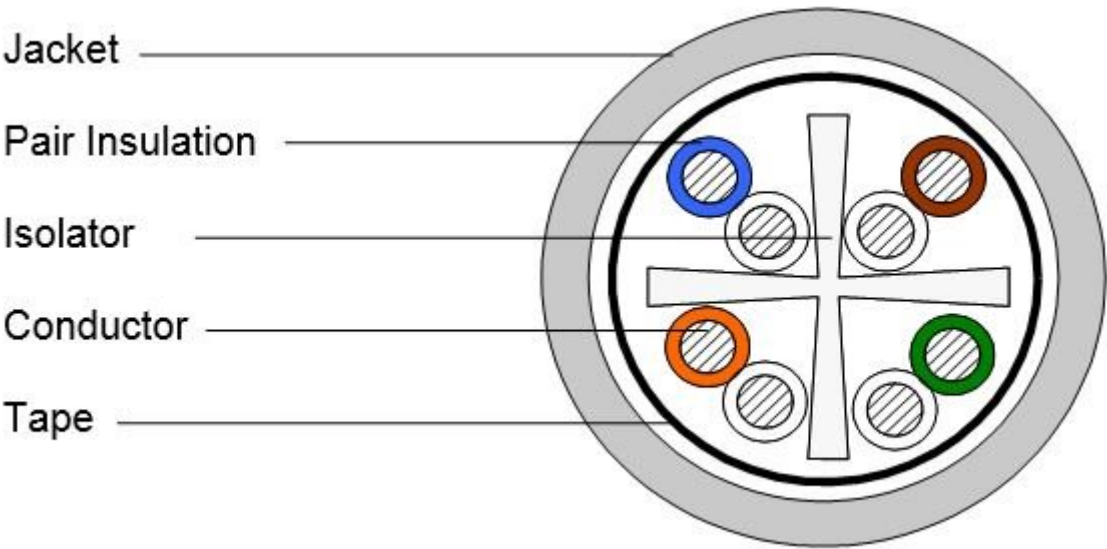
General Specifications

|                         |                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 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                      | 304.8 m   1000 ft    |
| Diameter Over Insulated Conductor | 1.148 mm   0.0452 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   | 40.925 kg/km   27.5 lb/kft |
| Packaging Type | Reel                       |

## Regulatory Compliance/Certifications

| Agency        | Classification                                                                 |
|---------------|--------------------------------------------------------------------------------|
| CHINA-ROHS    | Below maximum concentration value                                              |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

|            |                                                                                                                                |
|------------|--------------------------------------------------------------------------------------------------------------------------------|
| REACH-SVHC | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant                                                                                                                      |
| UK-ROHS    | Compliant                                                                                                                      |

