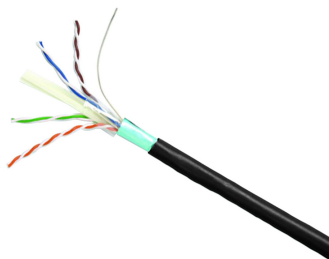


# 760171025 | 2291B BLK C6A 4/23 F/UTP R1000



GigaSPEED X10D® 2291B ETL Verified Category 6A F/UTP Cable, plenum, black jacket, 4 pair count, 1000 ft (305 m) length, reel

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | SYSTIMAX®   |
| <b>Product Type</b>          | Twisted pair cable  |
| <b>Product Brand</b>         | GigaSPEED X10D®   |

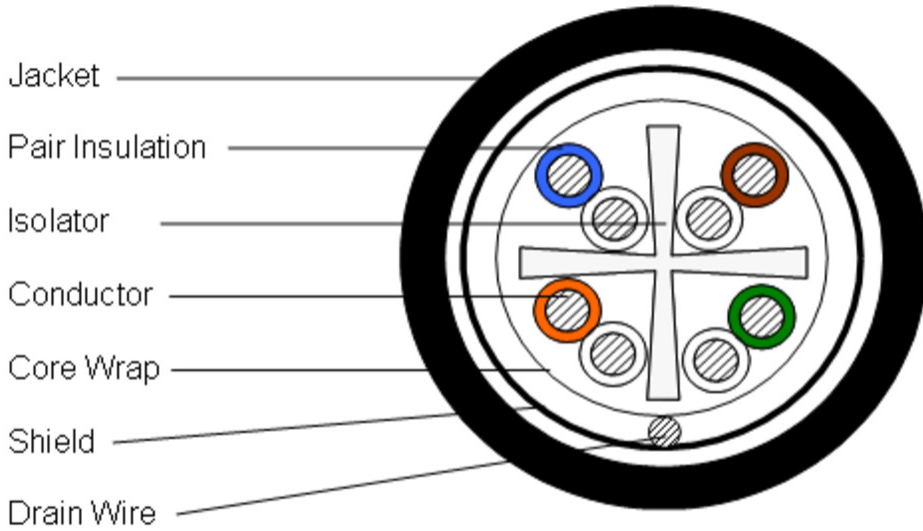
## General Specifications

|                                |                  |
|--------------------------------|------------------|
| <b>Product Number</b>          | 2291B            |
| <b>ANSI/TIA Category</b>       | 6A               |
| <b>Cable Component Type</b>    | Horizontal       |
| <b>Cable Type</b>              | F/UTP (shielded) |
| <b>Conductor Type, singles</b> | Solid            |
| <b>Conductors, quantity</b>    | 8                |
| <b>Drain Wire Type</b>         | Solid            |
| <b>Jacket Color</b>            | Black            |
| <b>Pairs, quantity</b>         | 4                |
| <b>Separator Type</b>          | Isolator         |
| <b>Transmission Standards</b>  | ANSI/TIA-568.2-D |

## Dimensions

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Cable Length</b>                  | 304.8 m   1000 ft   |
| <b>Diameter Over Jacket, nominal</b> | 7.01 mm   0.276 in  |
| <b>Jacket Thickness</b>              | 0.457 mm   0.018 in |
| <b>Conductor Gauge, singles</b>      | 23 AWG              |
| <b>Drain Wire Gauge</b>              | 26 AWG              |

## Cross Section Drawing



## Electrical Specifications

|  |   |
|--|---|
| <b>dc Resistance Unbalance, maximum</b>      | 4 %   |
| <b>dc Resistance, maximum</b>                | 8 ohms/100 m   2.438 ohms/100 ft  |
| <b>Dielectric Strength, minimum</b>          | 1500 Vac   2500 Vdc   |
| <b>LP (Limited Power) Rating</b>             | 0.8 A   |
| <b>Mutual Capacitance at Frequency</b>       | 5.6 nF/100 m @ 1 kHz  |
| <b>Nominal Velocity of Propagation (NVP)</b> | 70 %  |
| <b>Operating Frequency, maximum</b>          | 500 MHz   |
| <b>Operating Voltage, maximum</b>            | 80 V  |
| <b>Remote Powering</b>                       | 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

|                            |               |
|----------------------------|---------------|
| <b>Conductor Material</b>  | Bare copper   |
| <b>Drain Wire Material</b> | Tinned copper |
| <b>Insulation Material</b> | FEP           |
| <b>Jacket Material</b>     | PVC           |
| <b>Separator Material</b>  | FEP           |

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**Shield (Tape) Material** 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 +60 °C (-4 °F to +140 °F)

**Environmental Space** Plenum

**Temperature Rating, ETL** 105 °C | 221 °F

**Temperature Rating, UL** 105 °C | 221 °F

**Flame Test Method** CMP/FT6

**Smoke Test Method** CMP/FT6

## Packaging and Weights

**Cable weight** 58.038 kg/km | 39 lb/kft

**Packaging Type** Reel

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system

