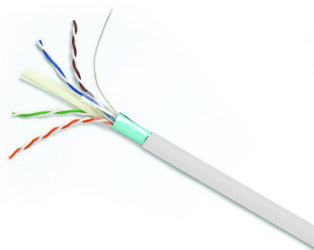


# 760081323 | 3291B WHT C6A 4/23 F/UTP R1000



GigaSPEED X10D® 3291B Category 6A F/UTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1000 ft (305 m) length, reel

## Product Classification

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

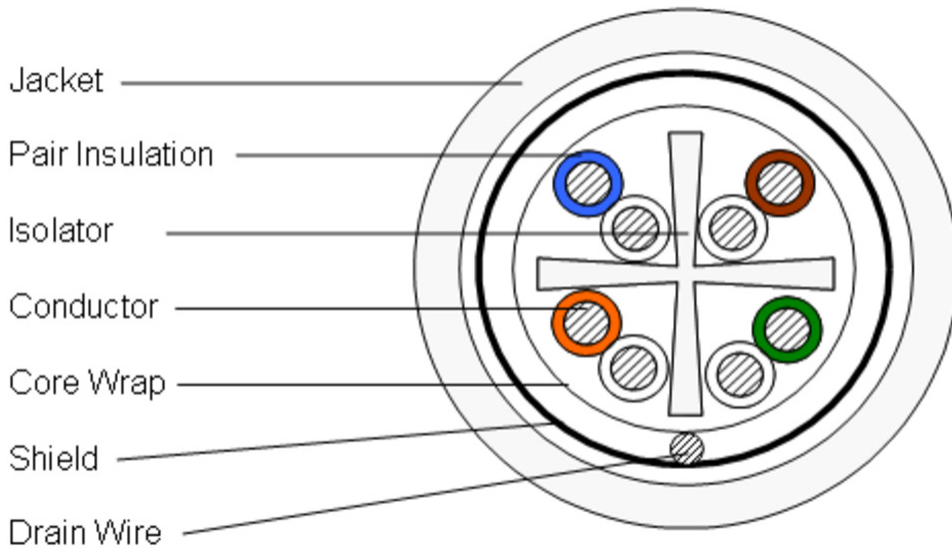
## General Specifications

|                                |                  |
|--------------------------------|------------------|
| <b>Product Number</b>          | 3291B            |
| <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>            | White            |
| <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> | 7.518 mm   0.296 in |
| <b>Jacket Thickness</b>              | 0.508 mm   0.02 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>Mutual Capacitance at Frequency</b>       | 5.6 nF/100 m @ 1 kHz  |
| <b>Nominal Velocity of Propagation (NVP)</b> | 69 %  |
| <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 |
| <b>Segregation Class</b>                     | d   |

## Material Specifications

|                               |                               |
|-------------------------------|-------------------------------|
| <b>Conductor Material</b>     | Bare copper                   |
| <b>Drain Wire Material</b>    | Tinned copper                 |
| <b>Insulation Material</b>    | Polyolefin                    |
| <b>Jacket Material</b>        | Low Smoke Zero Halogen (LSZH) |
| <b>Separator Material</b>     | Polyolefin                    |
| <b>Shield (Tape) Material</b> | Polyester/Aluminum shield     |

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## 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)

**Acid Gas Test Method** IEC 60754-2

**EN50575 CPR Cable EuroClass Fire Performance** Dca

**EN50575 CPR Cable EuroClass Smoke Rating** s2

**EN50575 CPR Cable EuroClass Droplets Rating** d2

**EN50575 CPR Cable EuroClass Acidity Rating** a1

**Environmental Space** Low Smoke Zero Halogen (LSZH)

**Flame Test Method** IEC 60332-3-22

**Smoke Test Method** IEC 61034-2

## Packaging and Weights

**Cable weight** 52.309 kg/km | 35.15 lb/kft

**Packaging Type** Reel

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available   |
| 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  |

