

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

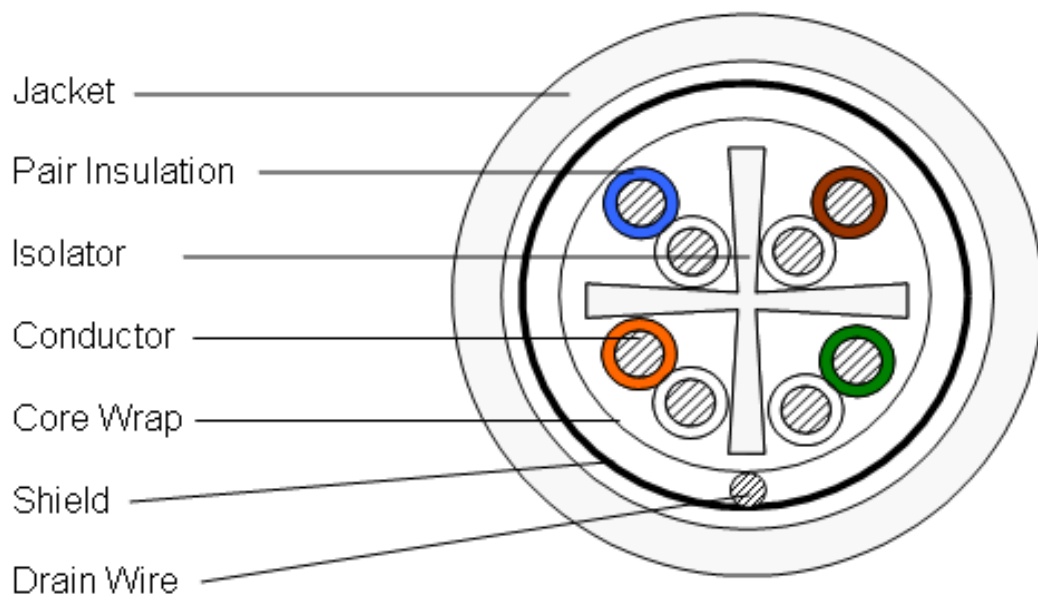
## Product Classification

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

## Standards And Qualifications

**EN50575 CPR Cable EuroClass** Dca | s2 | d2 | a1

## Cross Section Drawing



## Construction Materials

**Jacket Material** Low Smoke Zero Halogen (LSZH)

<b>Conductor Material</b>	Bare copper
<b>Drain Wire Material</b>	Tinned copper
<b>Insulation Material</b>	Polyolefin
<b>Separator Material</b>	Polyolefin
<b>Shield (Tape) Material</b>	Polyester/Aluminum shield

## Dimensions

<b>Cable Length</b>	305 m   1000 ft
<b>Cable Weight</b>	35.15 lb/kft
<b>Diameter Over Jacket, nominal</b>	7.518 mm   0.296 in
<b>Jacket Thickness</b>	0.508 mm   0.020 in

## Electrical Specifications

<b>ANSI/TIA Category</b>	6A
<b>dc Resistance Unbalance, maximum</b>	4 %
<b>dc Resistance, maximum</b>	8.00 ohms/100 m
<b>Mutual Capacitance at Frequency</b>	5.6 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	68 %
<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>Transmission Standards</b>	ANSI/TIA-568-C.2

## Environmental Specifications

<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)
<b>Smoke Test Method</b>	IEC 61034-2
<b>Acid Gas Test Method</b>	IEC 60754-2
<b>Flame Test Method</b>	IEC 60332-3-22
<b>Installation Temperature</b>	0 °C to +60 °C (+32 °F to +140 °F)
<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)

## General Specifications

<b>Cable Type</b>	F/UTP (shielded)
<b>Packaging Type</b>	Reel
<b>Pairs, quantity</b>	4
<b>Cable Component Type</b>	Horizontal
<b>Jacket Color</b>	White

<b>Product Number</b>	3291B
<b>Conductor Gauge, singles</b>	23 AWG
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Drain Wire Gauge</b>	24 AWG
<b>Drain Wire Type</b>	Solid
<b>Separator Type</b>	Isolator

## Mechanical Specifications

**Pulling Tension, maximum** 11 kg | 25 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

