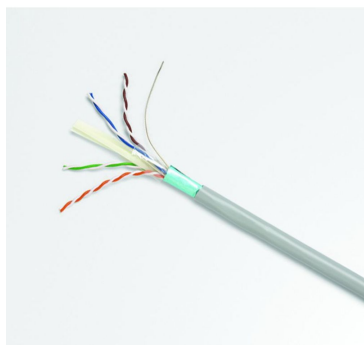


# 760250109 | 5291A WHT C6A 4/23 F/UTP R1000



GigaSPEED X10D® 5291A Category 6A F/UTP Cable, low smoke zero halogen, CMR, white 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®

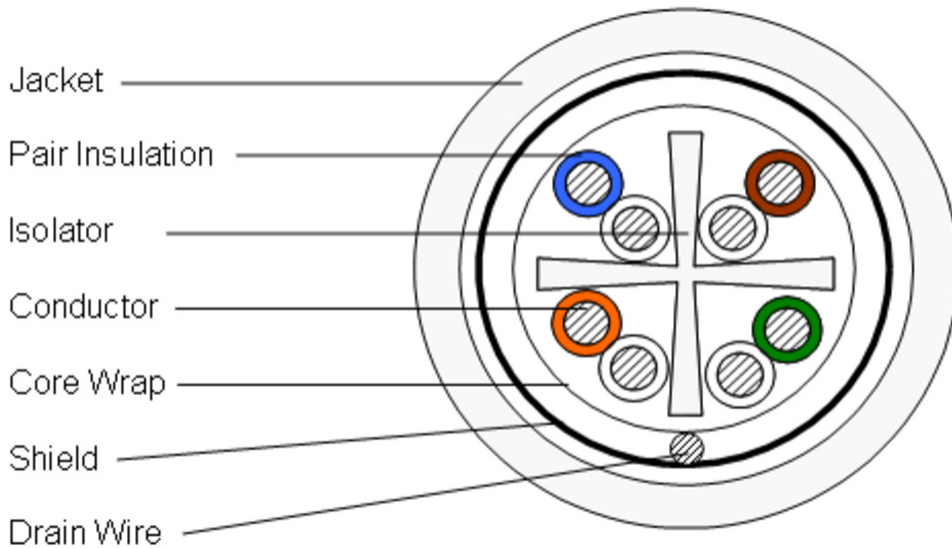
## General Specifications

<b>Product Number</b>	5291A
<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>	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>Segregation Class</b>	c

## 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** EN 50267-2-3  
**Environmental Space** Low Smoke Zero Halogen (LSZH) | Non-plenum  
**Temperature Rating, ETL** 75 °C | 167 °F  
**Flame Test Method** CMR | UL 1666  
**Smoke Test Method** IEC 61034-2

## Packaging and Weights

**Cable weight** 53.276 kg/km | 35.8 lb/kft  
**Packaging Type** Reel

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

