

# 760234859 | 2091SD BLU C6A 4/23 U/UTP R1000



GigaSPEED X10D® 2091SD ETL Verified Category 6A U/UTP Cable, plenum, blue 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

## OBSOLETE

This product was discontinued on: **March 30, 2022**

### Replaced By:

760253621

2091SDB BLU C6A 4/23 U/UTP R1000

GigaSPEED X10D® 2091SDB ETL verified Category 6A U/UTP Cable, plenum, blue jacket, 4 pair count, 1000 ft (305 m) length, reel

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

### Portfolio

SYSTIMAX®

### Product Type

Twisted pair cable

### Product Brand

GigaSPEED X10D®

## General Specifications

### Product Number

2091SD

### ANSI/TIA Category

6A

### Cable Component Type

Horizontal

### Cable Type

U/UTP (unshielded)

### Conductor Type, singles

Solid

### Conductors, quantity

8

### Jacket Color

Blue

### 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

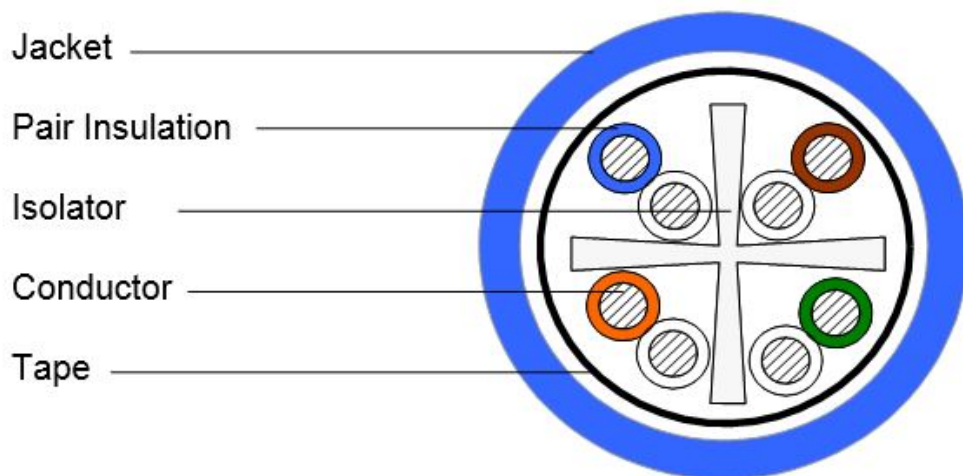
### Transmission Standards

ANSI/TIA-568.2-D

## Dimensions

<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Insulated Conductor</b>	1.115 mm   0.044 in
<b>Diameter Over Jacket, nominal</b>	6.731 mm   0.265 in
<b>Jacket Thickness</b>	0.406 mm   0.016 in
<b>Conductor Gauge, singles</b>	23 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>	0.7 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

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<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	FEP
<b>Jacket Material</b>	PVC
<b>Separator Material</b>	FEP
<b>Tape Material</b>	Poly/Aluminum/Poly

## Mechanical Specifications

<b>Pulling Tension, maximum</b>	11.34 kg   25 lb
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## Environmental Specifications

<b>Installation temperature</b>	0 °C to +60 °C (+32 °F to +140 °F)
<b>Operating Temperature</b>	-20 °C to +75 °C (-4 °F to +167 °F)
<b>Environmental Space</b>	Plenum
<b>Temperature Rating, UL</b>	105 °C   221 °F
<b>Flame Test Method</b>	CMP/FT6
<b>Smoke Test Method</b>	CMP/FT6

## Packaging and Weights

<b>Cable weight</b>	58.038 kg/km   39 lb/kft
<b>Packaging Type</b>	Reel

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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

