

# 760253622 | 2091SDB WHT C6A 4/23 U/UTP R1000



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

- 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

## Product Classification

<b>Regional Availability</b>	North America
<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Twisted pair cable
<b>Product Brand</b>	GigaSPEED X10D®

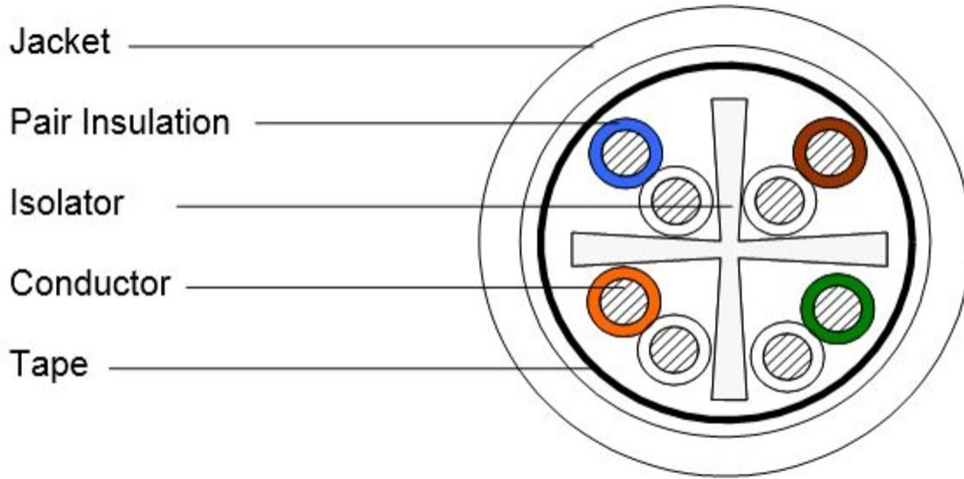
## General Specifications

<b>Product Number</b>	2091SDB
<b>ANSI/TIA Category</b>	6A
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	U/UTP (unshielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	White
<b>Note</b>	Consult ANSI/TIA-568-C.2 Annex G for length de-rating guidance for cable installation in higher temperature environments
<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 Insulated Conductor</b>	1.115 mm   0.044 in
<b>Diameter Over Jacket, nominal</b>	6.325 mm   0.249 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

<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