

760234860 | 2091SD WHT C6A 4/23 U/UTP R1000



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

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

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

White

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

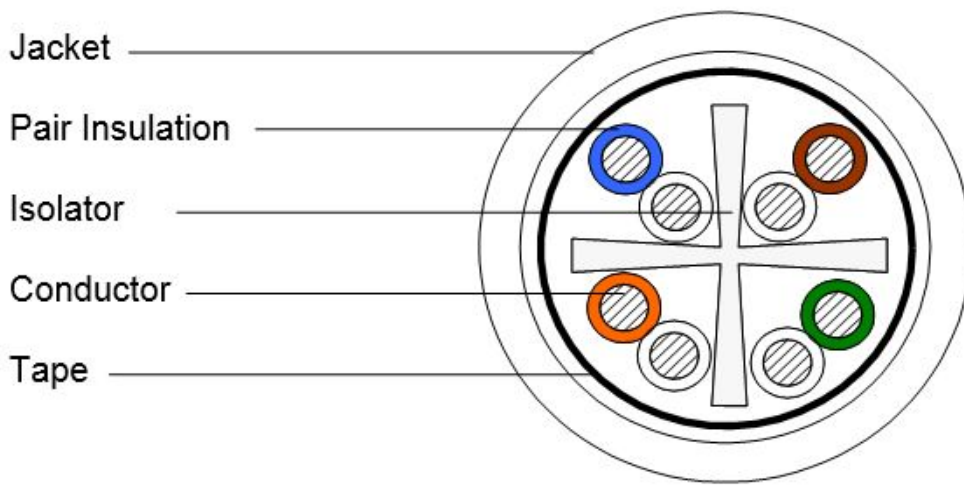
Transmission Standards

ANSI/TIA-568.2-D

Dimensions

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

Cross Section Drawing



Electrical Specifications

dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8 ohms/100 m 2.438 ohms/100 ft
Dielectric Strength, minimum	1500 Vac 2500 Vdc
LP (Limited Power) Rating	0.7 A
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	70 %
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Remote Powering	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

760234860 | 2091SD WHT C6A 4/23 U/UTP R1000

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

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 +75 °C (-4 °F to +167 °F)
Environmental Space	Plenum
Temperature Rating, UL	105 °C 221 °F
Flame Test Method	CMP/FT6
Smoke Test Method	CMP/FT6

Packaging and Weights

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

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

