### 760154039 | 2091B LBL C6A 4/23 U/UTP W1000



GigaSPEED X10D® 2091B ETL Verified Category 6A U/UTP Cable, light blue jacket, 4 pair count, 1000 ft (305 m) length, WE TOTE® box

#### 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 2091B
ANSI/TIA Category 6A

Cable Component Type Horizontal

Cable Type U/UTP (unshielded)

Conductor Type, singles Solid
Conductors, quantity 8

Jacket Color Light 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 | ISO/IEC 11801 Class EA

Dimensions

**Cable Length** 304.8 m | 1000 ft

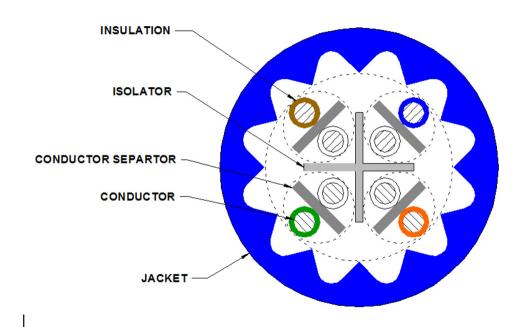
Diameter Over Insulated Conductor0.889 mm | 0.035 inDiameter Over Jacket, nominal7.239 mm | 0.285 inJacket Thickness1.295 mm | 0.051 in

Conductor Gauge, singles 23 AWG

Cross Section Drawing



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#### **Electrical Specifications**

dc Resistance Unbalance, maximum 4 %

**dc Resistance, maximum** 7.61 ohms/100 m | 2.32 ohms/100 ft

**Dielectric Strength, minimum** 1500 Vac | 2500 Vdc

LP (Limited Power) Rating 0.6 A

Mutual Capacitance at Frequency 6.0 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP) 66 %

Operating Frequency, maximum 550 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

Conductor Material Bare copper

Insulation MaterialFEPJacket MaterialPVCSeparator MaterialFEP

Separator 2 Material Polyolefin

**COMMSCOPE®** 

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#### Mechanical Specifications

**Pulling Tension, maximum** 11.34 kg | 25 lb

#### **Environmental Specifications**

Installation temperature  $0 \, ^{\circ}\text{C} \, \text{to} +60 \, ^{\circ}\text{C} \, (+32 \, ^{\circ}\text{F to} +140 \, ^{\circ}\text{F})$ Operating Temperature  $-20 \, ^{\circ}\text{C} \, \text{to} +75 \, ^{\circ}\text{C} \, (-4 \, ^{\circ}\text{F to} +167 \, ^{\circ}\text{F})$ 

Environmental Space Plenum

Temperature Rating, ETL  $105 \,^{\circ}\text{C}$  | 221  $^{\circ}\text{F}$  Temperature Rating, UL  $105 \,^{\circ}\text{C}$  | 221  $^{\circ}\text{F}$ 

Flame Test Method CMP/FT6
Safety Standard UL 444

Smoke Test Method CMP/FT6 | NFPA 262

Packaging and Weights

**Cable weight** 60.568 kg/km | 40.7 lb/kft

Packaging Type WE TOTE® box

### Regulatory Compliance/Certifications

Agency Classification

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

