GigaSPEED X10D® 3091B ETL Verified Category 6A U/UTP Cable

Product Classification

Regional Availability
Asia | Australia/New Zealand | EMEA | Latin America

Portfolio
SYSTIMAX®

Product Type
Twisted pair cable

Product Brand
GigaSPEED X10D®

General Specifications

Product Number
3091B

ANSI/TIA Category
6A

Cable Component Type
Horizontal

Cable Type
U/UTP (unshielded)

Conductor Type, singles
Solid

Conductors, quantity
8

Pairs, quantity
4

Separator Type
Isolator

Transmission Standards
ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA

Dimensions

Diameter Over Insulated Conductor
0.864 mm | 0.034 in

Diameter Over Jacket, nominal
7.239 mm | 0.285 in

Jacket Thickness
1.295 mm | 0.051 in

Conductor Gauge, singles
23 AWG

Cross Section Drawing
Electrical Specifications

- **dc Resistance Unbalance, maximum**: 4%
- **dc Resistance, maximum**: 7.61 ohms/100 m | 2.32 ohms/100 ft
- **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

Segregation Class
c

Material Specifications

- **Conductor Material**: Bare copper
- **Insulation Material**: Polyolefin
- **Jacket Material**: Low Smoke Zero Halogen (LSZH)
- **Separator Material**: Polyolefin
- **Separator 2 Material**: Polyolefin

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 IEC 60754-2
Environmental Space Low Smoke Zero Halogen (LSZH)
Flame Test Method IEC 60332-3-22
Smoke Test Method IEC 61034-2

Packaging and Weights

Cable weight 54.913 kg/km | 36.9 lb/kft