GigaSPEED XL® 3071 ETL Verified Category 6 U/UTP Cable

Product Classification

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

Portfolio
SYSTIMAX®

Product Type
Twisted pair cable

Product Brand
GigaSPEED XL®

General Specifications

Product Number
3071E

ANSI/TIA Category
6

Cable Component Type
Horizontal

Cable Type
U/UTP (unshielded)

Conductor Type, singles
Solid

Conductors, quantity
8

Pairs, quantity
4

Separator Type
Bisector

Transmission Standards
- ANSI/TIA-568.2-D
- CENELEC EN 50288-6-1
- ISO/IEC 11801 Class E

Dimensions

Diameter Over Insulated Conductor
1.041 mm | 0.041 in

Diameter Over Jacket, nominal
5.918 mm | 0.233 in

Jacket Thickness
0.508 mm | 0.02 in

Conductor Gauge, singles
23 AWG

Cross Section Drawing
Electrical Specifications

**dc Resistance Unbalance, maximum** 5 %

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

**Mutual Capacitance at Frequency** 5.6 nF/100 m @ 1 kHz

**Nominal Velocity of Propagation (NVP)** 70 %

**Operating Frequency, maximum** 300 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

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: 37.204 kg/km  |  25 lb/kft