GigaSPEED XL® 1071E ETL Verified Category 6 U/UTP Cable

Product Classification

Regional Availability
- Asia
- Australia/New Zealand
- Latin America
- North America

Portfolio
SYSTIMAX®

Product Type
Twisted pair cable

Product Brand
GigaSPEED XL®

Ordering Note
Not available in Europe, the Middle East, or Africa

General Specifications

Product Number
1071E

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
1.029 mm | 0.041 in

Diameter Over Jacket, nominal
5.893 mm | 0.232 in

Jacket Thickness
0.559 mm | 0.022 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
- **Dielectric Strength, minimum**: 1500 Vac | 2500 Vdc
- **Mutual Capacitance at Frequency**: 5.6 nF/100 m @ 1 kHz
- **Nominal Velocity of Propagation (NVP)**: 69%
- **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

Material Specifications

- **Conductor Material**: Bare copper
- **Insulation Material**: Polyolefin
- **Jacket Material**: PVC
- **Separator Material**: Polyolefin

Mechanical Specifications
1071E

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)

Environmental Space  
Non-plenum

Temperature Rating, UL  
75 °C  |  167 °F

Flame Test Method  
CMG  |  CMR

Packaging and Weights

Cable weight  
38.097 kg/km  |  25.6 lb/kft