GigaSPEED XL® 1071E-UTG 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®

General Specifications

Product Number
1071E-UTG

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
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1071E-UTG

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

11.34 kg  | 25 lb
1071E-UTG

**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