

## 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

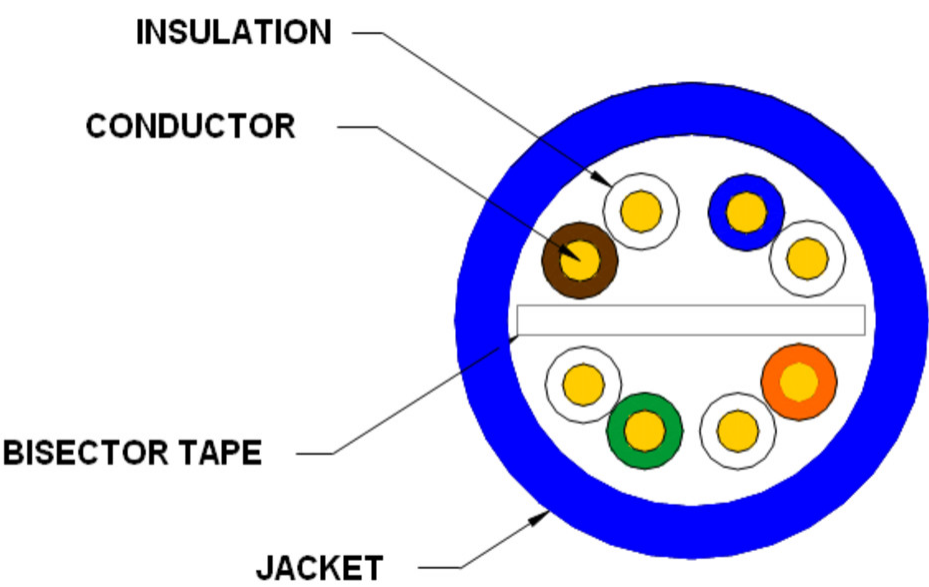
## General Specifications

Product Number	1071E
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Lilac
Pairs, quantity	4
Separator Type	Bisector
Transmission Standards	ANSI/TIA-568.2-D   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E

## Dimensions

Cable Length	914.4 m   3000 ft
Cable Length Tolerance	±5%
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

**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  
**Packaging Type** Reel

Regulatory Compliance/Certifications

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