

## 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

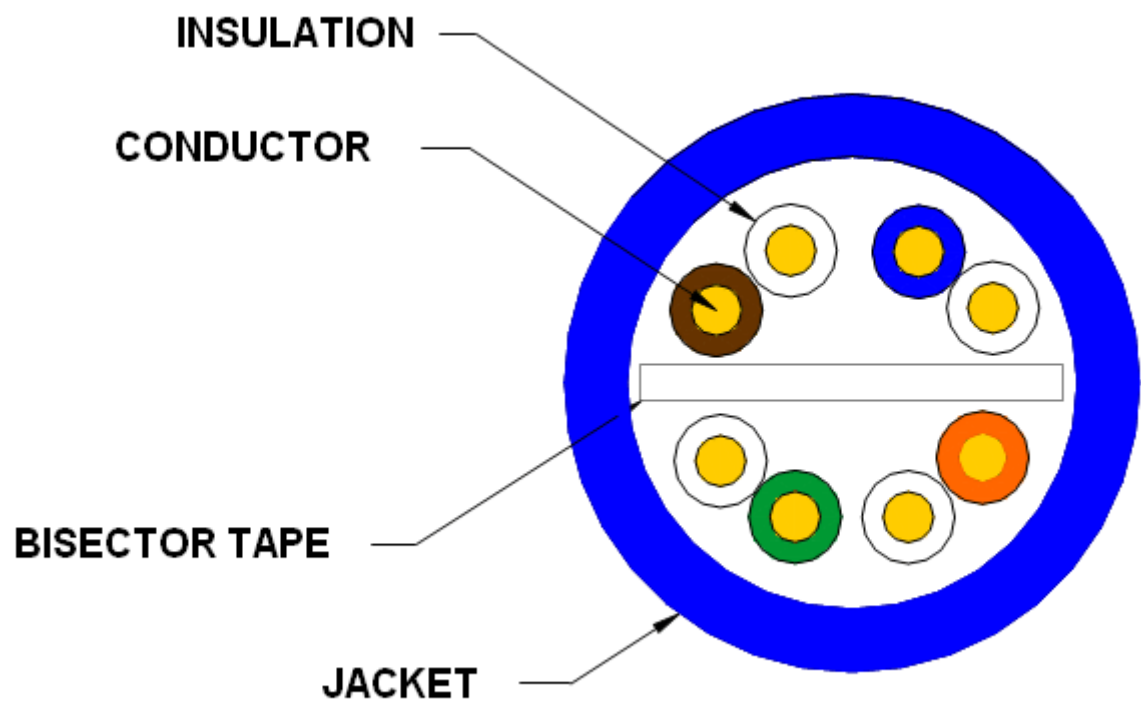
|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Product Number          | 1071E-UTG                                                                |
| ANSI/TIA Category       | 6                                                                        |
| Cable Component Type    | Horizontal                                                               |
| Cable Type              | U/UTP (unshielded)                                                       |
| Conductor Type, singles | Solid                                                                    |
| Conductors, quantity    | 8                                                                        |
| Jacket Color            | Spring green                                                             |
| Pairs, quantity         | 4                                                                        |
| Separator Type          | Bisector                                                                 |
| Transmission Standards  | ANSI/TIA-568.2-D   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E   UTG-10 |

## Dimensions

|                                   |                      |
|-----------------------------------|----------------------|
| Cable Length                      | 304.8 m   1000 ft    |
| Diameter Over Insulated Conductor | 1.029 mm   0.0405 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 | WE TOTE® box               |

Regulatory Compliance/Certifications

| Agency     | Classification                                                                                                                  |
|------------|---------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS | Below maximum concentration value                                                                                               |
| REACH-SVHC | Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant                                                                                                                       |

UK-ROHS

Compliant

