



Product Classification

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|-----------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | SYSTIMAX® |
| Product Type | Twisted pair cable |
| Product Brand | GigaSPEED XL® |

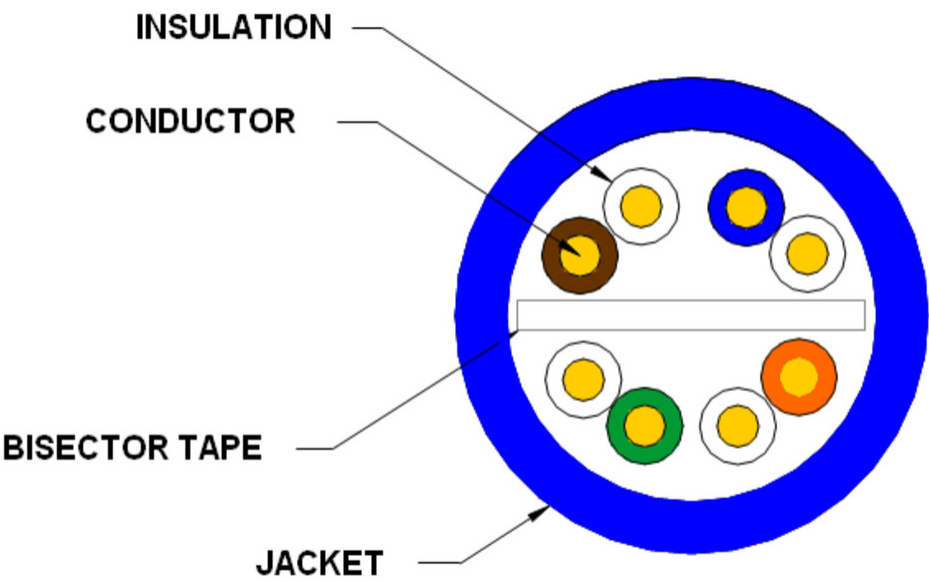
General Specifications

| | |
|-------------------------|---|
| Product Number | 2071E |
| ANSI/TIA Category | 6 |
| Cable Component Type | Horizontal |
| Cable Type | U/UTP (unshielded) |
| Conductor Type, singles | Solid |
| Conductors, quantity | 8 |
| Jacket Color | White |
| Pairs, quantity | 4 |
| Separator Type | Bisector |
| Transmission Standards | ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class E |

Dimensions

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|-----------------------------------|---------------------|
| Cable Length | 914.4 m 3000 ft |
| Cable Length Tolerance | ±5% |
| Diameter Over Insulated Conductor | 1.016 mm 0.04 in |
| Diameter Over Jacket, nominal | 5.74 mm 0.226 in |
| Jacket Thickness | 0.559 mm 0.022 in |
| Conductor Gauge, singles | 23 AWG |

Cross Section Drawing



Electrical Specifications

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|---------------------------------------|---|
| 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) | 74 % |
| 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

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|---------------------|----------------------------|
| Conductor Material | Bare copper |
| Insulation Material | FEP Polyolefin |
| Jacket Material | PVC |
| Separator Material | Flame retardant 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 | Plenum |
| Temperature Rating, UL | 75 °C 167 °F |
| Flame Test Method | CMP/FT6 |
| Smoke Test Method | CMP/FT6 |

Packaging and Weights

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|----------------|--------------------------|
| Cable weight | 43.157 kg/km 29 lb/kft |
| Packaging Type | Reel |

Regulatory Compliance/Certifications

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