

Product Classification

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Regional Availability | Asia   Australia/New Zealand   Latin America   North America |
| Portfolio             | SYSTIMAX®                                                    |
| Product Type          | Twisted pair cable                                           |
| Product Brand         | GigaSPEED X10D®                                              |

General Specifications

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Product Number          | 1091B-UTG                                          |
| ANSI/TIA Category       | 6A                                                 |
| Cable Component Type    | Horizontal                                         |
| Cable Type              | U/UTP (unshielded)                                 |
| Conductor Type, singles | Solid                                              |
| Conductors, quantity    | 8                                                  |
| Jacket Color            | Yellow                                             |
| Pairs, quantity         | 4                                                  |
| Separator Type          | Isolator                                           |
| Transmission Standards  | ANSI/TIA-568.2-D   ISO/IEC 11801 Class EA   UTG-20 |

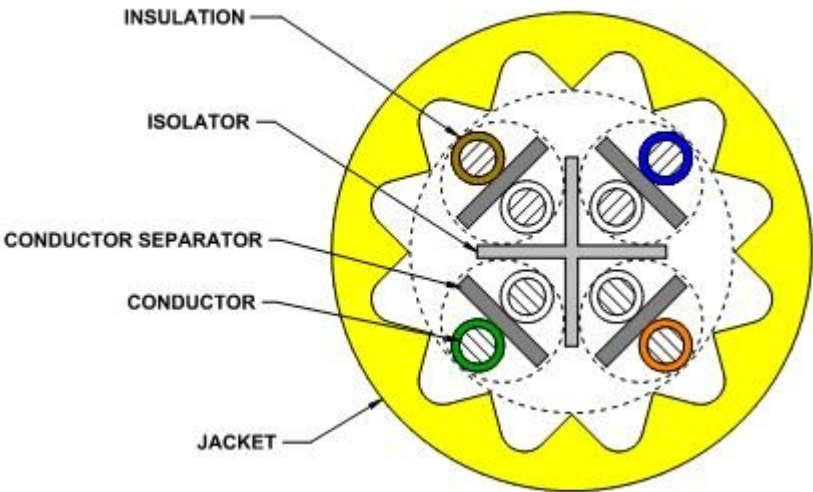
Dimensions

|                                   |                     |
|-----------------------------------|---------------------|
| Cable Length                      | 304.8 m   1000 ft   |
| Diameter Over Insulated Conductor | 0.864 mm   0.034 in |
| Diameter Over Jacket, nominal     | 7.239 mm   0.285 in |
| Jacket Thickness                  | 1.295 mm   0.051 in |

Conductor Gauge, singles

23 AWG

Cross Section Drawing



Electrical Specifications

|                                       |                                                                                                                                                                                                                               |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Characteristic Impedance              | 100 ohm                                                                                                                                                                                                                       |
| Characteristic Impedance Tolerance    | ±15 ohm                                                                                                                                                                                                                       |
| dc Resistance Unbalance, maximum      | 4 %                                                                                                                                                                                                                           |
| dc Resistance, maximum                | 7.61 ohms/100 m   2.32 ohms/100 ft                                                                                                                                                                                            |
| Dielectric Strength, minimum          | 1500 Vac   2500 Vdc                                                                                                                                                                                                           |
| LP (Limited Power) Rating             | 0.5 A                                                                                                                                                                                                                         |
| Mutual Capacitance at Frequency       | 6.0 nF/100 m @ 1 kHz                                                                                                                                                                                                          |
| Nominal Velocity of Propagation (NVP) | 65 %                                                                                                                                                                                                                          |
| Operating Frequency, maximum          | 550 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  |
| Separator 2 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   | 90 °C   194 °F                      |
| Flame Test Method        | CMR                                 |

### Packaging and Weights

|                |                         |
|----------------|-------------------------|
| Cable weight   | 56.55 kg/km   38 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                                                                                                                       |



