

## Product Classification

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

## General Specifications

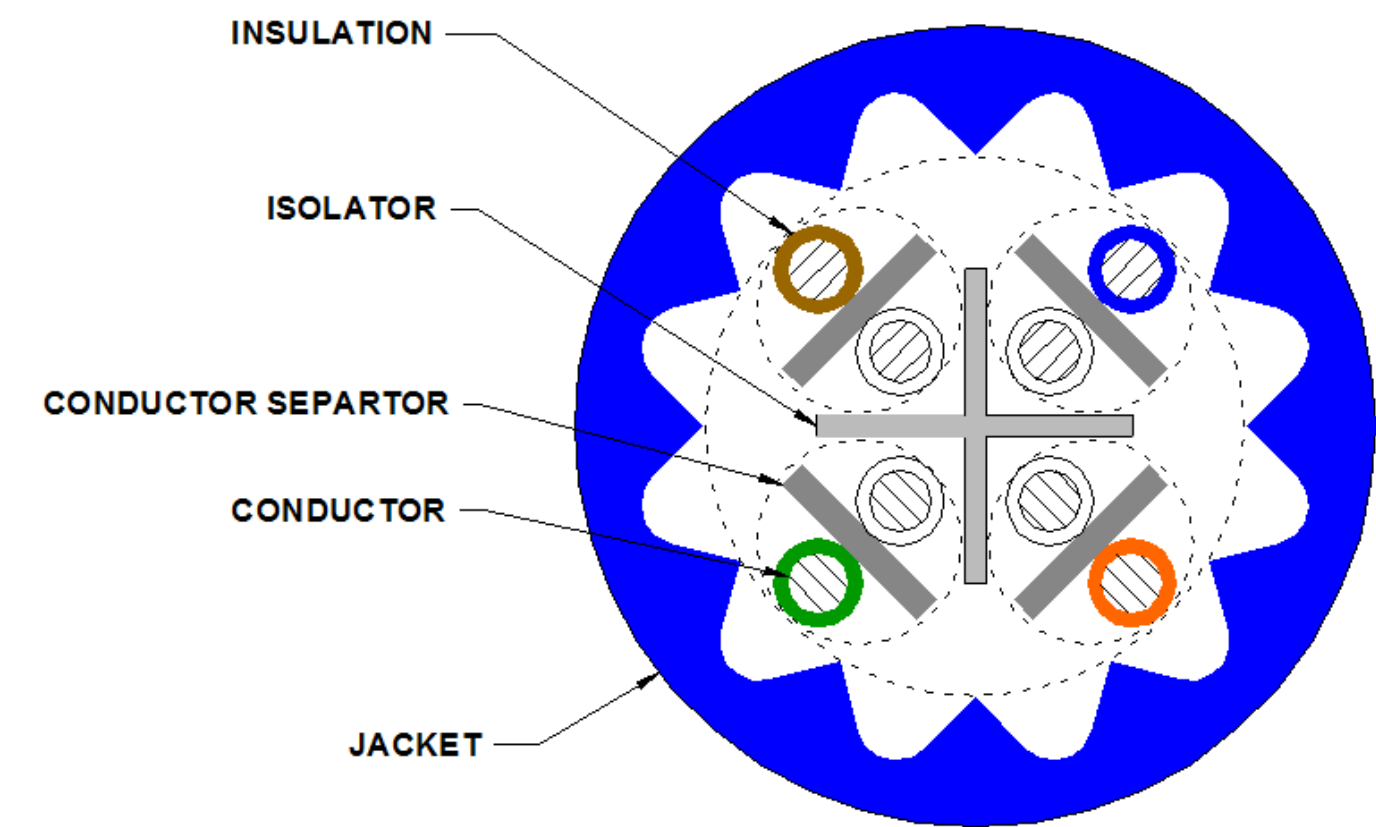
|                         |                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Product Number          | 2091B-UTG                                                                                                                |
| ANSI/TIA Category       | 6A                                                                                                                       |
| Cable Component Type    | Horizontal                                                                                                               |
| Cable Type              | U/UTP (unshielded)                                                                                                       |
| Conductor Type, singles | Solid                                                                                                                    |
| Conductors, quantity    | 8                                                                                                                        |
| Jacket Color            | Black                                                                                                                    |
| Note                    | Consult ANSI/TIA-568-C.2 Annex G for length de-rating guidance for cable installation in higher temperature environments |
| 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 | 0.889 mm   0.035 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

|                                       |                                    |
|---------------------------------------|------------------------------------|
| 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             | 0.6 A                              |
| Mutual Capacitance at Frequency       | 6.0 nF/100 m @ 1 kHz               |
| Nominal Velocity of Propagation (NVP) | 66 %                               |

|                              |                                                                                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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  | FEP         |
| Jacket Material      | PVC         |
| Separator Material   | FEP         |
| 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 +75 °C (-4 °F to +167 °F) |
| Environmental Space      | Plenum                              |
| Temperature Rating, UL   | 105 °C   221 °F                     |
| Flame Test Method        | CMP/FT6                             |
| Safety Standard          | UL 444                              |
| Smoke Test Method        | CMP/FT6   NFPA 262                  |

## Packaging and Weights

|                |                            |
|----------------|----------------------------|
| Cable weight   | 62.354 kg/km   41.9 lb/kft |
| Packaging Type | WE TOTE® box               |

Regulatory Compliance/Certifications

| Agency        | Classification                                                                 |
|---------------|--------------------------------------------------------------------------------|
| CHINA-ROHS    | Below maximum concentration value                                              |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| ROHS          | Compliant                                                                      |
| UK-ROHS       | Compliant                                                                      |

