

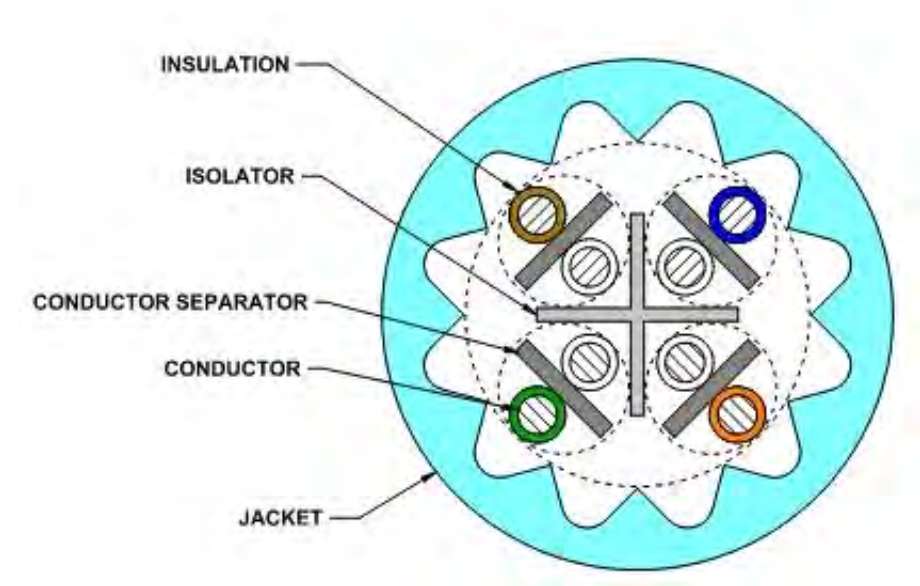


760105767 | 1091B LB 4/23 R1000  
**GigaSPEED X10D® 1091B ETL Verified Category 6A U/UTP Cable, light blue jacket, 4 pair count, 1000 ft (305 m) length, reel**

## Product Classification

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

## Cross Section Drawing



## Construction Materials

|                      |             |
|----------------------|-------------|
| Jacket Material      | PVC         |
| Conductor Material   | Bare copper |
| Insulation Material  | Polyolefin  |
| Separator Material   | Polyolefin  |
| Separator 2 Material | Polyolefin  |

## Dimensions

|                      |                     |
|----------------------|---------------------|
| Cable Length         | 305 m   1000 ft     |
| Cable Weight         | 37.30 lb/kft        |
| Diameter Over Jacket | 7.239 mm   0.285 in |
| Jacket Thickness     | 1.295 mm   0.051 in |

## Electrical Specifications

|                                       |                                           |
|---------------------------------------|-------------------------------------------|
| ANSI/TIA Category                     | 6A                                        |
| Characteristic Impedance              | 100 ohm                                   |
| Characteristic Impedance Tolerance    | ±15 ohm                                   |
| dc Resistance Unbalance, maximum      | 4 %                                       |
| dc Resistance, maximum                | 7.61 ohms/100 m                           |
| Mutual Capacitance                    | 6.0 nF/100 m @ 1 kHz                      |
| Nominal Velocity of Propagation (NVP) | 65 %                                      |
| Operating Frequency, maximum          | 550 MHz                                   |
| Operating Voltage, maximum            | 80 V                                      |
| Transmission Standards                | ANSI/TIA-568-C.2   ISO/IEC 11801 Class EA |
| Dielectric Strength, minimum          | 1500 Vac   2500 Vdc                       |

## Environmental Specifications

|                          |                                     |
|--------------------------|-------------------------------------|
| Environmental Space      | Non-plenum                          |
| Flame Test Method        | CMR                                 |
| Installation Temperature | 0 °C to +60 °C (+32 °F to +140 °F)  |
| Operating Temperature    | -20 °C to +60 °C (-4 °F to +140 °F) |
| UL Temperature Rating    | 75 °C   167 °F                      |

## General Specifications

|                          |                             |
|--------------------------|-----------------------------|
| Cable Type               | U/UTP (unshielded)          |
| Packaging Type           | Reel                        |
| Pairs, quantity          | 4                           |
| Cable Component Type     | Horizontal                  |
| Jacket Color             | Light blue                  |
| Product Number           | 1091B                       |
| Brand                    | GigaSPEED X10D®   SYSTIMAX® |
| Conductor Gauge, singles | 23 AWG                      |
| Conductor Type, singles  | Solid                       |
| Conductors, quantity     | 8                           |
| Separator Type           | Isolator                    |

## Mechanical Specifications

|                          |               |
|--------------------------|---------------|
| Pulling Tension, maximum | 11 kg   25 lb |
|--------------------------|---------------|

## Regulatory Compliance/Certifications

| Agency          | Classification                                                                 |
|-----------------|--------------------------------------------------------------------------------|
| RoHS 2011/65/EU | Compliant                                                                      |
| ISO 9001:2008   | Designed, manufactured and/or distributed under this quality management system |

