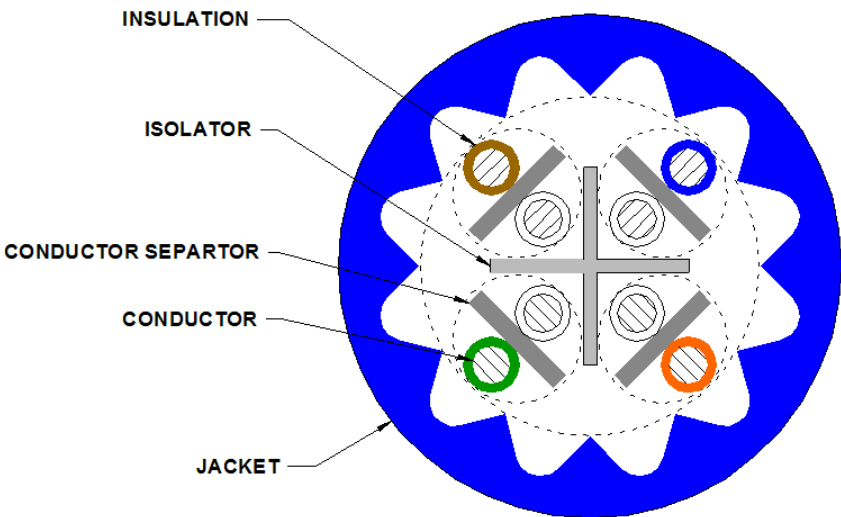# Product Specifications

COMMSCOPE®

760106062    |    3091B BL 4/23 R3000

**GigaSPEED X10D® 3091B ETL Verified Category 6A U/UTP Cable, blue jacket, 4 pair count, 3000 ft (914 m) length, reel**

## Cross Section Drawing



## Construction Materials

| | |
|---|---|
| Jacket Material | Low Smoke Zero Halogen (LSZH) |
| Conductor Material | Bare copper |
| Insulation Material | Polyolefin |
| Separator Material | Polyolefin |
| Separator 2 Material | Polyolefin |

## Dimensions

| | |
|---|---|
| Cable Length | 914 m   |   3000 ft |
| Cable Length Tolerance | ±5% |
| Cable Weight | 36.90 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 |
| 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) | 66 % |
| Operating Frequency, maximum | 550 MHz |

# Product Specifications

| | |
|---|---|
| Operating Voltage, maximum | 80 V |
| Transmission Standards | ANSI/TIA-568-C.2  |  ISO/IEC 11801 Class EA |

## Environmental Specifications

| | |
|---|---|
| Environmental Space | Low Smoke Zero Halogen (LSZH) |
| Acid Gas Test Method | IEC 60754-2 |
| Flame Test Method | IEC 60332-3-22 |
| Installation Temperature | 0 °C to +60 °C (+32 °F to +140 °F) |
| Operating Temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Smoke Test Method | IEC 61034-2 |

## General Specifications

| | |
|---|---|
| Cable Type | U/UTP (unshielded) |
| Pairs, quantity | 4 |
| Cable Component Type | Horizontal |
| Packaging Type | Reel |
| Brand | GigaSPEED X10D®  |  SYSTIMAX® |
| Jacket Color | Blue |
| Product Number | 3091B |
| 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 |