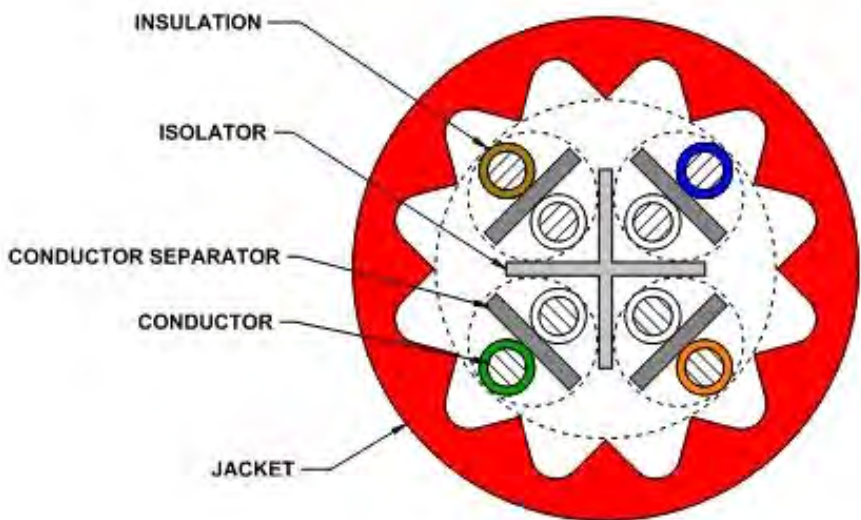# Product Specifications

COMMSCOPE®

## 760105791   |   1091B RD 4/23 R1000

**GigaSPEED X10D® 1091B ETL Verified Category 6A U/UTP Cable, red 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 |

# Product Specifications

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## 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 | Red |
| 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 |

![RoHS COMPLIANT]