# Product Specifications

**COMMSCOPE®**



# 760142620    |    2088B SL 4/23 R1000

**GigaSPEED Xpress® 2088B ETL Verified Category 6 U/UTP Cable, plenum, slate jacket, 4 pair count, 1000 ft (305 m) length, reel**

## Cross Section Drawing



## Construction Materials

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

## Dimensions

| | |
|---|---|
| Cable Length | 305 m   |   1000 ft |
| Cable Weight | 37.50 lb/kft |
| Diameter Over Jacket | 6.223 mm   |   0.245 in |
| Jacket Thickness | 0.635 mm   |   0.025 in |

## Electrical Specifications

| | |
|---|---|
| ANSI/TIA Category | 6 |
| dc Resistance Unbalance, maximum | 4 % |
| dc Resistance, maximum | 8.00 ohms/100 m |
| Mutual Capacitance | 6.0 nF/100 m @ 1 kHz |
| Nominal Velocity of Propagation (NVP) | 66 % |
| Operating Frequency, maximum | 500 MHz |
| Operating Voltage, maximum | 80 V |
| Transmission Standards | ANSI/TIA-568-C.2   |   ANSI/TIA/EIA-TSB-155 (up to 60 m)   |   CENELEC EN 50288 -6-1   |   ISO/IEC 11801 Class E |
| Dielectric Strength, minimum | 1500 Vac   |   2500 Vdc |

## Environmental Specifications

| | |
|---|---|
| Environmental Space | Plenum |
| Flame Test Method | CMP |
| 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 | CMP |
| UL Temperature Rating | 75 °C   |   167 °F |

## General Specifications

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| | |
|---|---|
| Brand | GigaSPEED Xpress®   |   SYSTIMAX® |
| Cable Component Type | Horizontal |
| Cable Type | U/UTP (unshielded) |
| Pairs, quantity | 4 |
| Jacket Color | Slate |
| Conductor Gauge, singles | 23 AWG |
| Conductor Type, singles | Solid |
| Conductors, quantity | 8 |
| Separator Type | Bisector |
| Packaging Type | Reel |
| Product Number | 2088B |

## Mechanical Specifications

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

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| RoHS 2002/95/EC | Compliant |
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |

RoHS COMPLIANT