

760110940 | 2091B BLK C6A 4/23 U/UTP R1000



GigaSPEED X10D® 2091B ETL Verified Category 6A U/UTP Cable, black jacket, 4 pair count, 1000 ft (305 m) length, reel

Product Classification

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

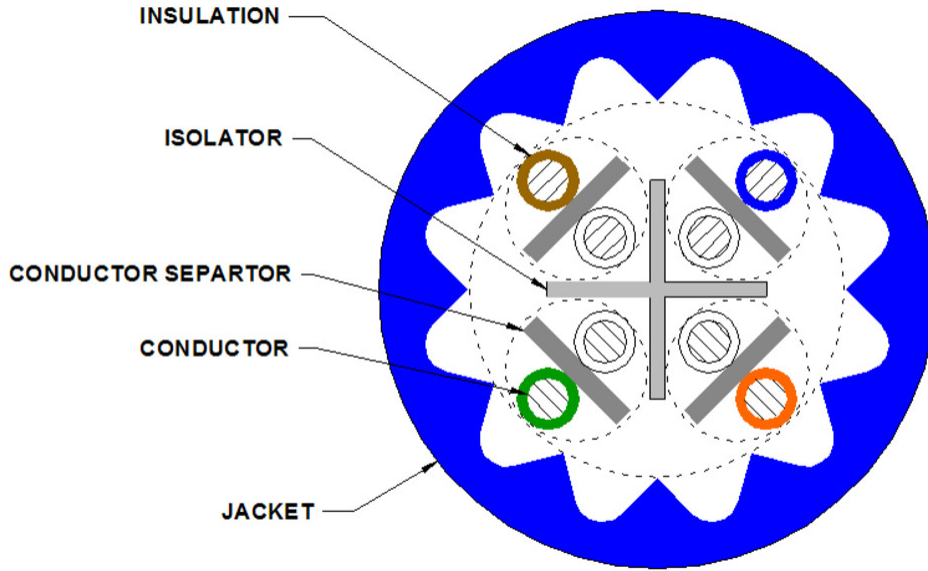
General Specifications

| | |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Product Number | 2091B |
| 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 |

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 |

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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, ETL 105 °C | 221 °F

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 60.568 kg/km | 40.7 lb/kft

Packaging Type Reel

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

