760171033 | 2291B PRP C6A 4/23 F/UTP R1000



GigaSPEED X10D® 2291B ETL Verified Category 6A F/UTP Cable, plenum, purple 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 TypeTwisted pair cableProduct BrandGigaSPEED X10D®

General Specifications

Product Number 2291B
ANSI/TIA Category 6A

Cable Component Type Horizontal

Cable Type F/UTP (shielded)

Conductor Type, singlesSolidConductors, quantity8Drain Wire TypeSolidJacket ColorPurple

Pairs, quantity 4

Separator Type Isolator

Transmission Standards ANSI/TIA-568.2-D

Dimensions

 Cable Length
 304.8 m | 1000 ft

 Diameter Over Jacket, nominal
 7.01 mm | 0.276 in

 Jacket Thickness
 0.457 mm | 0.018 in

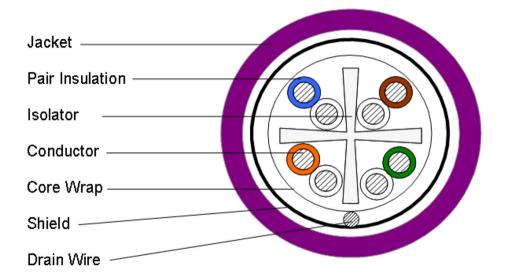
Conductor Gauge, singles 23 AWG

Drain Wire Gauge 26 AWG

Cross Section Drawing



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Electrical Specifications

dc Resistance Unbalance, maximum 4 %

dc Resistance, maximum 8 ohms/100 m | 2.438 ohms/100 ft

Dielectric Strength, minimum 1500 Vac | 2500 Vdc

LP (Limited Power) Rating 0.8 A

Mutual Capacitance at Frequency 5.6 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP) 70 %

Operating Frequency, maximum 500 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 MaterialBare copperDrain Wire MaterialTinned copper

Insulation MaterialFEPJacket MaterialPVCSeparator MaterialFEP

Shield (Tape) Material Aluminum/Poly

Mechanical Specifications

COMMSCOPE®

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Pulling Tension, maximum 11.34 kg | 25 lb

Environmental Specifications

Installation temperature $0 \,^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$ (+32 $^{\circ}\text{F}$ to +140 $^{\circ}\text{F}$)

Operating Temperature $-20 \,^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$ (-4 $^{\circ}\text{F}$ to +140 $^{\circ}\text{F}$)

Environmental Space Plenum

Temperature Rating, ETL $105 \,^{\circ}\text{C}$ | 221 $^{\circ}\text{F}$ Temperature Rating, UL $105 \,^{\circ}\text{C}$ | 221 $^{\circ}\text{F}$

Flame Test Method CMP/FT6

Smoke Test Method CMP/FT6

Packaging and Weights

Cable weight 58.038 kg/km | 39 lb/kft

Packaging Type Reel

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

