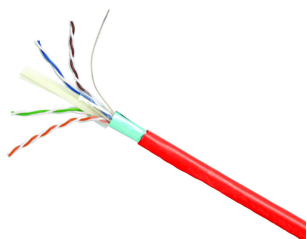


760171017 | 2291B RED C6A 4/23 F/UTP R1000

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GigaSPEED X10D® 2291B ETL Verified Category 6A F/UTP Cable, plenum, red 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®

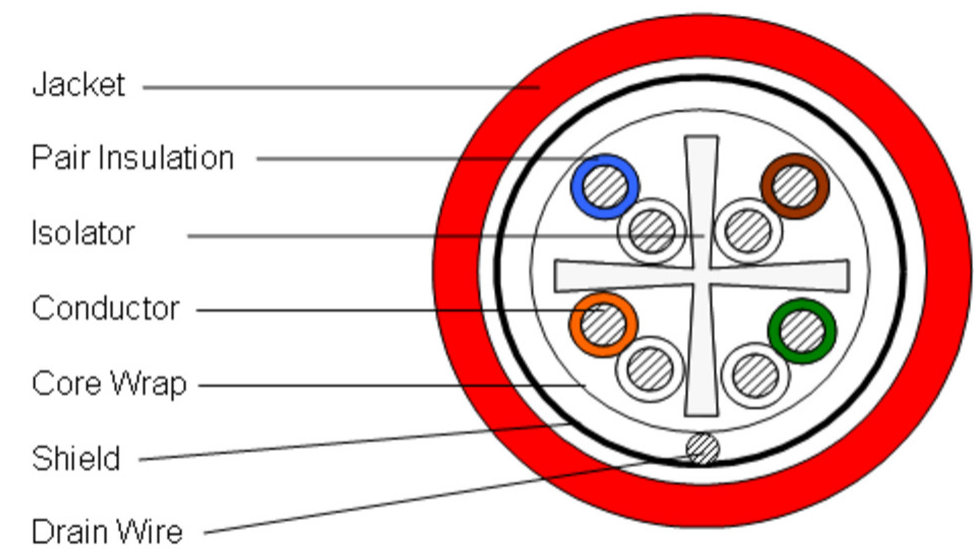
### General Specifications

Product Number	2291B
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Type	Solid
Jacket Color	Red
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



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
Safety Voltage Rating	300 V

Material Specifications

Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	FEP
Jacket Material	PVC
Separator Material	FEP

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**Shield (Tape) Material** Aluminum/Poly

## 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 +60 °C (-4 °F to +140 °F)

**Environmental Space** Plenum

**Temperature Rating, ETL** 105 °C | 221 °F

**Temperature Rating, UL** 105 °C | 221 °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