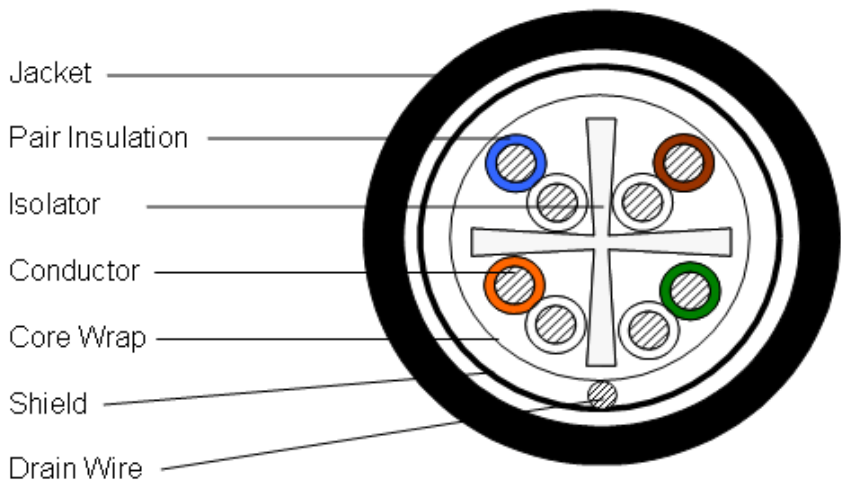# Product Specifications

760171025 | 2291B BK 4/23 R1000

GigaSPEED X10D® 2291B ETL Verified Category 6A F/UTP Cable, plenum, black jacket, 4 pair count, 1000 ft (305 m) length, reel

Cross Section Drawing

Jacket
Pair Insulation
Isolator
Conductor
Core Wrap
Shield
Drain Wire

Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	FEP
Separator Material	FEP
Shield (Tape) Material	Aluminum/Poly

Dimensions

Cable Length	305 m	1000 ft
Cable Weight	39.00 lb/kft
Diameter Over Jacket	7.010 mm	0.276 in
Jacket Thickness	0.457 mm	0.018 in

Electrical Specifications

ANSI/TIA Category	6A

Product Specifications

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dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8.00 ohms/100 m
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	70 %
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2
Dielectric Strength, minimum	1500 Vac	2500 Vdc

Environmental Specifications

Environmental Space	Plenum
Smoke Test Method	CMP
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)

General Specifications

Cable Type	F/UTP (shielded)
Pairs, quantity	4
Cable Component Type	Horizontal
Packaging Type	Reel
Brand	GigaSPEED X10D®	SYSTIMAX®
Jacket Color	Black
Product Number	2291B
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Gauge	24 AWG
Drain Wire Type	Solid
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