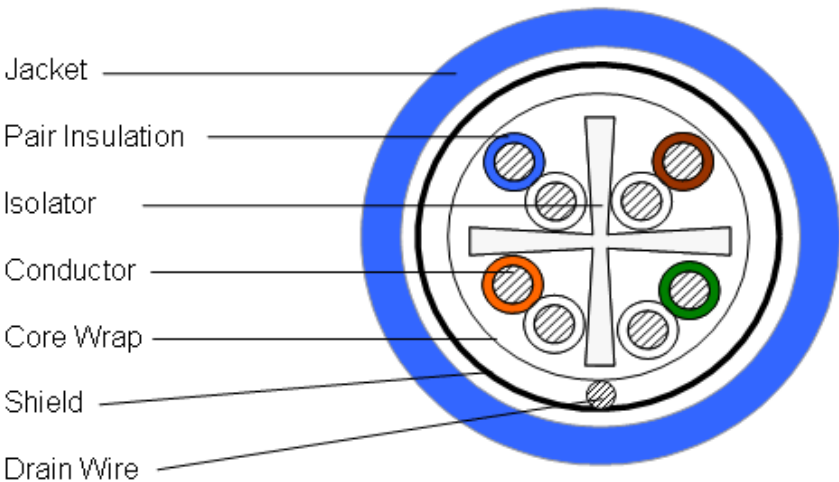# Product Specifications

COMMSCOPE®

760081315 | 3291B BL 4/23 R1000

GigaSPEED® X10D 3291B Category 6A F/UTP Cable, low smoke zero halogen, blue 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

Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin
Shield (Tape) Material	Polyester/Aluminum shield

Dimensions

Cable Length	305 m	1000 ft
Cable Weight	40.40 lb/kft
Diameter Over Jacket	7.518 mm	0.296 in
Jacket Thickness	0.508 mm	0.020 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)	68 %
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2

Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)
Acid Gas Test Method	IEC 60754-2
Flame Test Method	IEC 60332-3-22
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	IEC 61034-2

General Specifications

Brand	GigaSPEED® X10D	SYSTIMAX®
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Pairs, quantity	4
Jacket Color	Blue
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Gauge	24 AWG
Drain Wire Type	Solid
Separator Type	Isolator
Packaging Type	Reel
Product Number	3291B

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