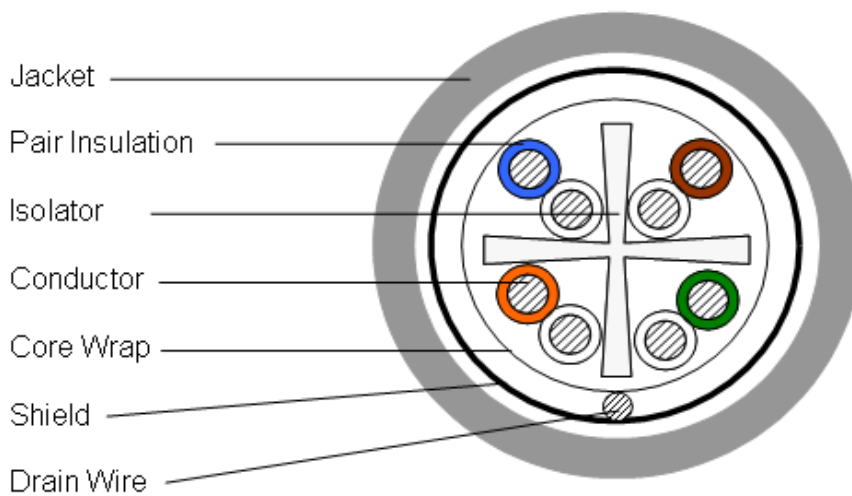


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GigaSPEED X10D® 3291B Category 6A F/UTP Cable, low smoke zero halogen, slate jacket, 4 pair count, 1000 ft (305 m) length, reel

Cross Section Drawing



Construction Materials

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

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	35.15 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
dc Resistance Unbalance, maximum	4 %

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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)
Smoke Test Method	IEC 61034-2
Acid Gas Test Method	IEC 60754-2
CPR Cable Classifications	EuroClass Dca s2 d2 a1
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)

General Specifications

Cable Type	F/UTP (shielded)
Pairs, quantity	4
Cable Component Type	Horizontal
Packaging Type	Reel
Brand	GigaSPEED X10D® SYSTIMAX®
Jacket Color	Slate
Product Number	3291B
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
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

