

SYSTIMAX® GigaSPEED® X10D 91 Series F/UTP Cable

Exhibits excellent crosstalk performance

The SYSTIMAX® GigaSPEED® X10D 91 Series Foiled Twisted Pair (F/UTP) Cable exhibits excellent crosstalk performance, enabled via patented high technology pair isolator (improves pair separation and also cable flexibility) and an optimized twist and strand scheme, dramatically enhancing high frequency performance using the CommScope Labs Cable Twist Accuracy Technology.

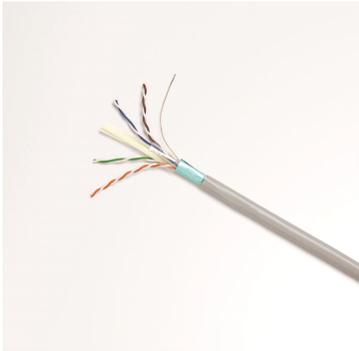
The GigaSPEED X10D 91 Series F/UTP Cables have been optimized with the GigaSPEED X10D F/UTP connectors and cords to minimize internal channel crosstalk, and also crosstalk between channels in close proximity. The 91 Series Cables incorporate a round smooth shape that speeds the handling and termination process. The cables have been designed to optimize the balance of the F/UTP solution.

The 91 Series F/UTP Cables have been specified out to 500 MHz to support high bandwidth applications operating at 10 Gb/s.

- 4-pair construction with aluminum foil tape and isolator center member provides extra margin of performance required for high-bandwidth applications
- Cables constructed with a single jacket for optimum size and improved handling
- Can support network line speeds up to 10 gigabits per second
- Qualifies for the SYSTIMAX 20-Year Extended Product Warranty and Applications Assurance when included as part of a registered SYSTIMAX GigaSPEED X10D channel

POWERED BY

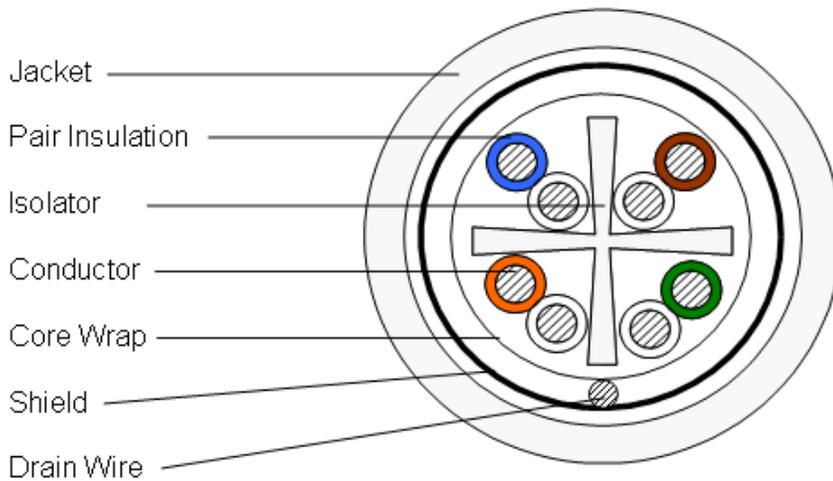
SYSTIMAX®



760122648 | 2291B WH 4/23 R1000

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

Cross Section Drawing



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
-------------------	----

760122648 | 2291B WH 4/23 R1000

POWERED BY

SYSTIMAX®

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
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)
Smoke Test Method	CMP

General Specifications

Cable Type	F/UTP (shielded)
Pairs, quantity	4
Cable Component Type	Horizontal
Packaging Type	Reel
Brand	GigaSPEED X10D® SYSTIMAX®
Jacket Color	White
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

