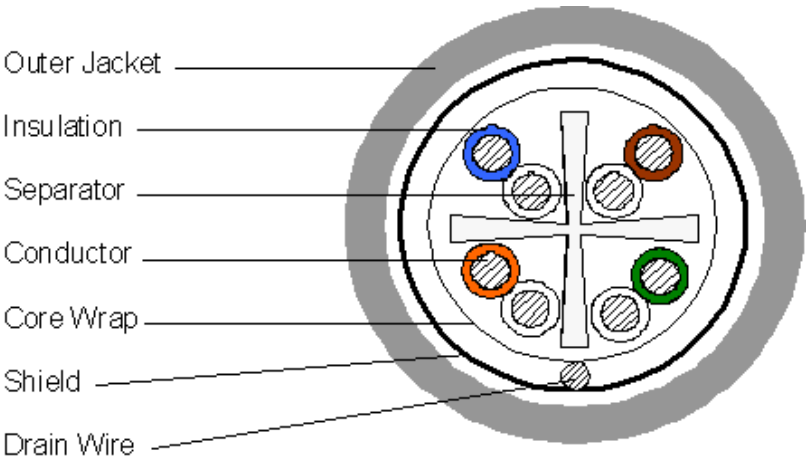# Product Specifications

COMMSCOPE®

760069104 | 2291A WH 4/23 R1000

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

Cross Section Drawing

Construction Materials

Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	FEP
Jacket Material	PVDF
Ripcord Material	Nylon
Separator Material	FEP
Shield (Tape) Material	Polyester/Aluminum shield

Dimensions

Cable Length	305 m	1000 ft
Cable Weight	42.00 lb/kft
Diameter Over Jacket	7.366 mm	0.290 in
Jacket Thickness	0.381 mm	0.015 in

Electrical Specifications

ANSI/TIA Category	6A

Product Specifications

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)	71 %
Operating Frequency, maximum	550 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

Brand	GigaSPEED® X10D	SYSTIMAX®
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Pairs, quantity	4
Jacket Color	White
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	2291A

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