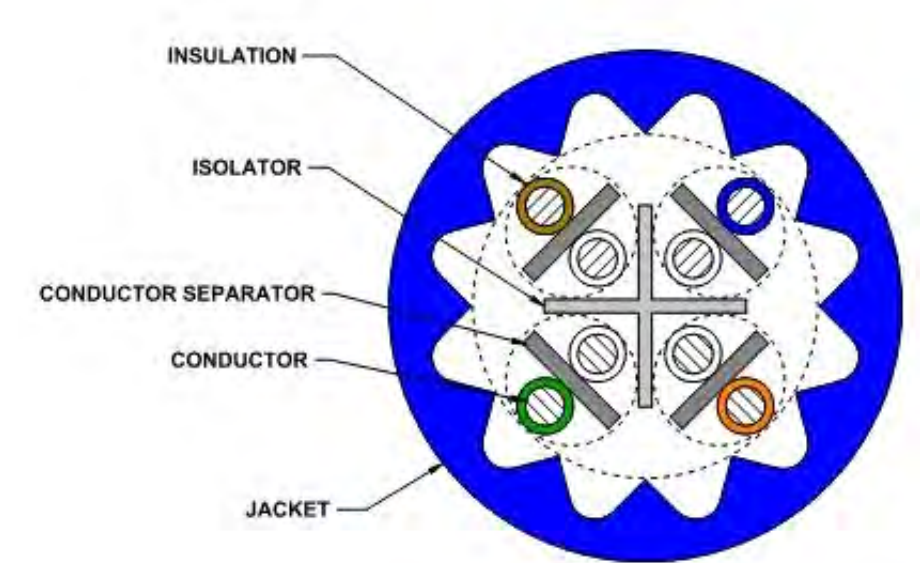# Product Specifications

COMMSCOPE®

760105833 | 1091B BL 4/23 R3000

GigaSPEED X10D® 1091B ETL Verified Category 6A U/UTP Cable, blue jacket, 4 pair count, 3000 ft (914 m) length, reel

Product Classification

Portfolio	SYSTIMAX®
Brand	GigaSPEED X10D®
Product Type	Twisted pair cable
Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America

Cross Section Drawing

Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	Polyolefin
Separator Material	Polyolefin
Separator 2 Material	Polyolefin

Dimensions

Cable Length	914 m	3000 ft
Cable Length Tolerance	±5%
Cable Weight	37.30 lb/kft
Diameter Over Jacket	7.239 mm	0.285 in
Jacket Thickness	1.295 mm	0.051 in

Product Specifications

Electrical Specifications

ANSI/TIA Category	6A
Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	7.61 ohms/100 m
Mutual Capacitance	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	65 %
Operating Frequency, maximum	550 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2	ISO/IEC 11801 Class EA
Dielectric Strength, minimum	1500 Vac	2500 Vdc

Environmental Specifications

Environmental Space	Non-plenum
Flame Test Method	CMR
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
UL Temperature Rating	75 °C	167 °F

General Specifications

Cable Type	U/UTP (unshielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	Blue
Product Number	1091B
Brand	GigaSPEED X10D®	SYSTIMAX®
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
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