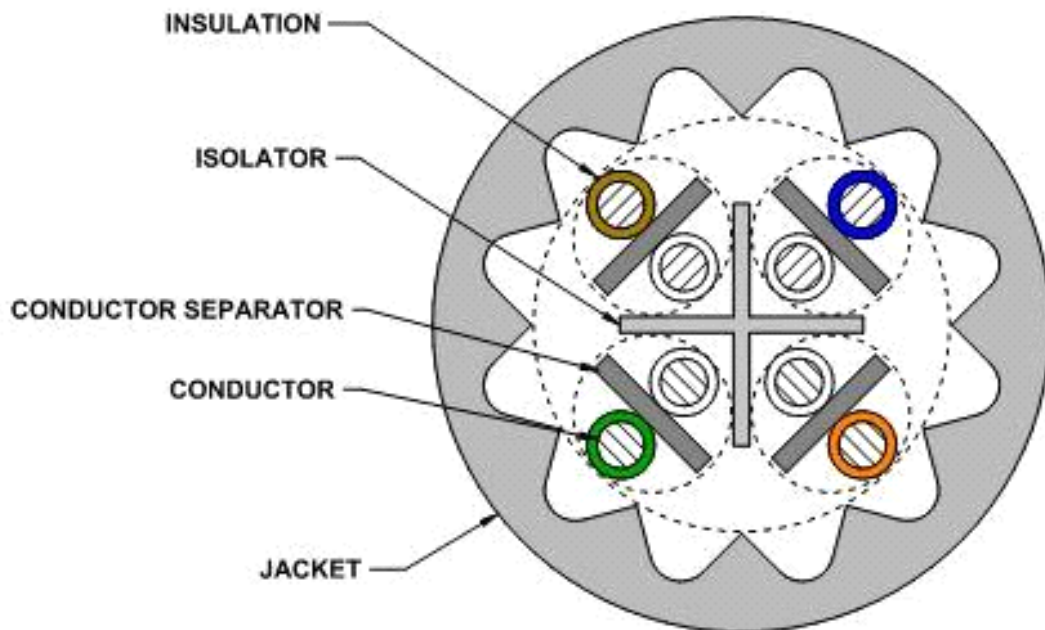


GigaSPEED X10D® 1091B ETL Verified Category 6A U/UTP Cable, non-plenum, slate jacket, 4 pair count, 1000 ft (305 m) length, reel

## Product Classification

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

## Cross Section Drawing



## Construction Materials

<b>Jacket Material</b>	PVC
<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Separator Material</b>	Polyolefin
<b>Separator 2 Material</b>	Polyolefin

## Dimensions

<b>Cable Length</b>	305 m   1000 ft
<b>Cable Weight</b>	37.30 lb/kft
<b>Diameter Over Jacket, nominal</b>	7.239 mm   0.285 in
<b>Jacket Thickness</b>	1.295 mm   0.051 in

## Electrical Specifications

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

## Environmental Specifications

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

## General Specifications

<b>Cable Type</b>	U/UTP (unshielded)
<b>Packaging Type</b>	Reel
<b>Pairs, quantity</b>	4
<b>Cable Component Type</b>	Horizontal
<b>Jacket Color</b>	Slate
<b>Product Number</b>	1091B
<b>Conductor Gauge, singles</b>	23 AWG
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Separator Type</b>	Isolator

## Mechanical Specifications

**Pulling Tension, maximum** 11 kg | 25 lb

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

ISO 9001:2015

### Classification

Compliant

Designed, manufactured and/or distributed under this quality management system

