

## Product Classification

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

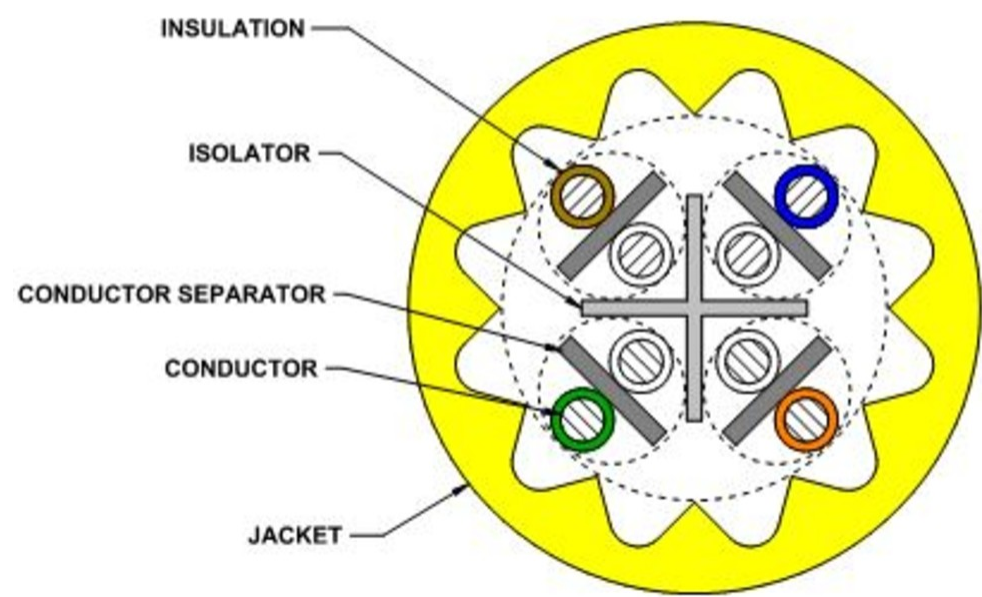
## General Specifications

Product Number	1091B
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Yellow
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D   ISO/IEC 11801 Class EA

## Dimensions

Cable Length	304.8 m   1000 ft
Diameter Over Insulated Conductor	0.864 mm   0.034 in
Diameter Over Jacket, nominal	7.239 mm   0.285 in
Jacket Thickness	1.295 mm   0.051 in
Conductor Gauge, singles	23 AWG

## Cross Section Drawing



Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	7.61 ohms/100 m   2.32 ohms/100 ft
Dielectric Strength, minimum	1500 Vac   2500 Vdc
LP (Limited Power) Rating	0.5 A
Mutual Capacitance at Frequency	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	65 %
Operating Frequency, maximum	550 MHz
Operating Voltage, maximum	80 V
Remote Powering	Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin

Jacket Material	PVC
Separator Material	Polyolefin
Separator 2 Material	Polyolefin

Mechanical Specifications

Pulling Tension, maximum	11.34 kg   25 lb
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Environmental Specifications

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Environmental Space	Non-plenum
Temperature Rating, UL	90 °C   194 °F
Flame Test Method	CMR

Packaging and Weights

Cable weight	55.509 kg/km   37.3 lb/kft
Packaging Type	WE TOTE® box

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

