

## Product Classification

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

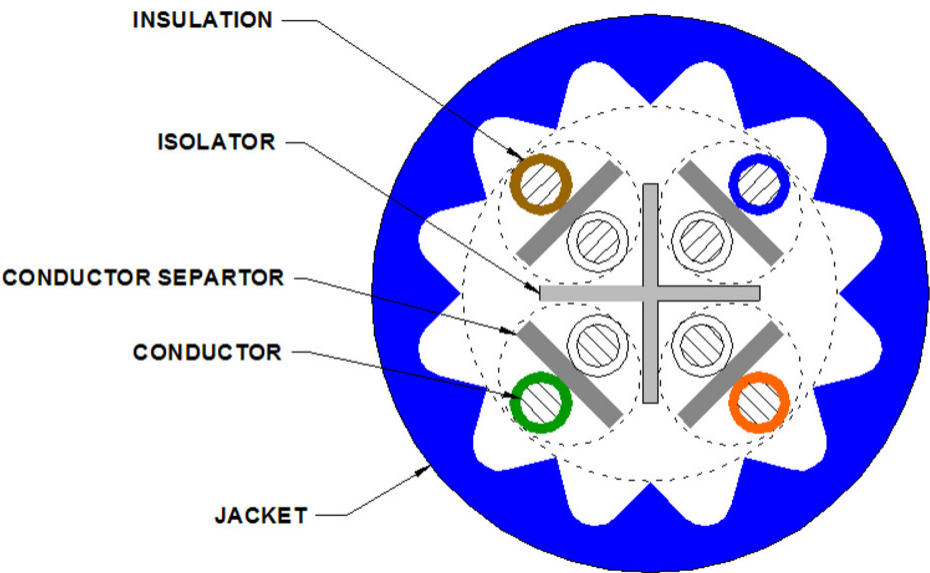
## General Specifications

Product Number	2091B
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Yellow
Note	Consult ANSI/TIA-568-C.2 Annex G for length de-rating guidance for cable installation in higher temperature environments
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	0.889 mm   0.035 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

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	0.6 A
Mutual Capacitance at Frequency	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	66 %
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	FEP
Jacket Material	PVC
Separator Material	FEP
Separator 2 Material	Polyolefin

Mechanical Specifications

**Pulling Tension, maximum** 11.34 kg | 25 lb

Environmental Specifications

**Installation temperature** 0 °C to +60 °C (+32 °F to +140 °F)  
**Operating Temperature** -20 °C to +75 °C (-4 °F to +167 °F)  
**Environmental Space** Plenum  
**Temperature Rating, ETL** 105 °C | 221 °F  
**Temperature Rating, UL** 105 °C | 221 °F  
**Flame Test Method** CMP/FT6  
**Safety Standard** UL 444  
**Smoke Test Method** CMP/FT6 | NFPA 262

Packaging and Weights

**Cable weight** 60.568 kg/km | 40.7 lb/kft  
**Packaging Type** Reel

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

