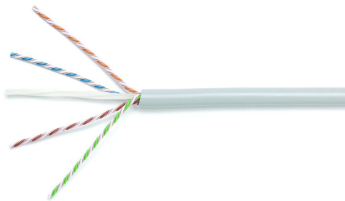


1091B-UTG



GigaSPEED X10D® 1091B-UTG ETL Verified Category 6A U/UTP Cable

Product Classification

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

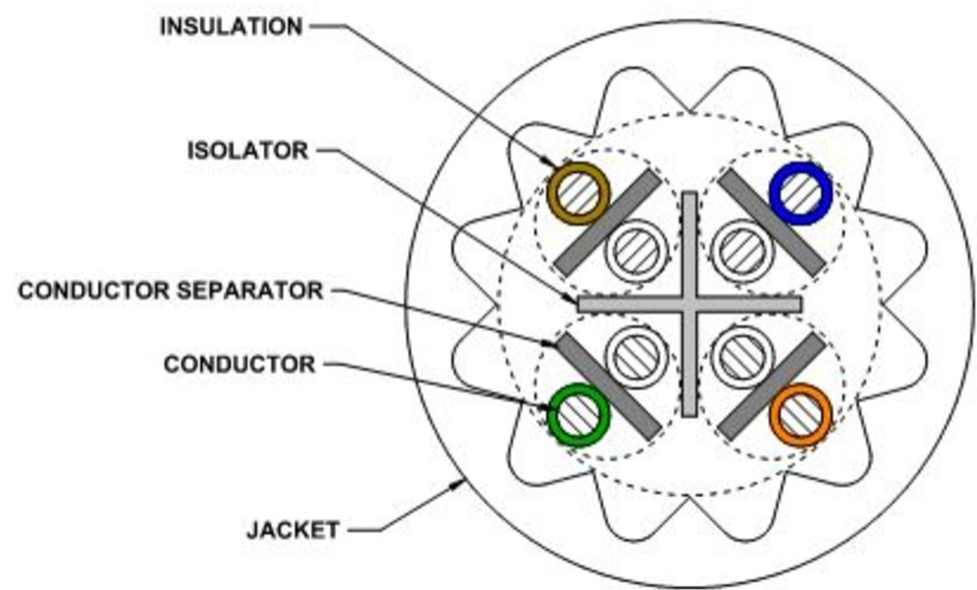
General Specifications

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

Dimensions

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
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

1091B-UTG

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 +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