760163337 | 1091B YEL C6A 4/23 U/UTP R3000

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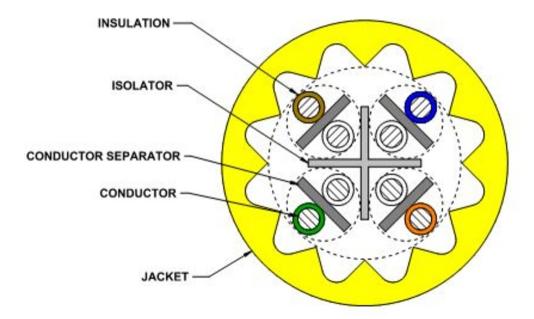
Product Classification

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	914.4 m	3000 ft
Cable Length Tolerance	±5%
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

COMMSCOPE®

760163337 | 1091B YEL C6A 4/23 U/UTP R3000

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

COMMSCOPE®

Jacket Material	PVC
Separator Material	Polyolefin
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
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	**Classification**
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

COMMSCOPE®