760107219 | 2091B GRN C6A 4/23 U/UTP W1000
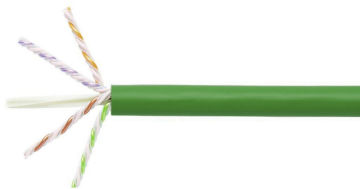
GigaSPEED X10D® 2091B ETL Verified Category 6A U/UTP Cable, green jacket, 4 pair count, 1000 ft (305 m) length, WE TOTE® box

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	Green
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

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INSULATION
ISOLATOR
CONDUCTOR SEPARTOR
CONDUCTOR
JACKET

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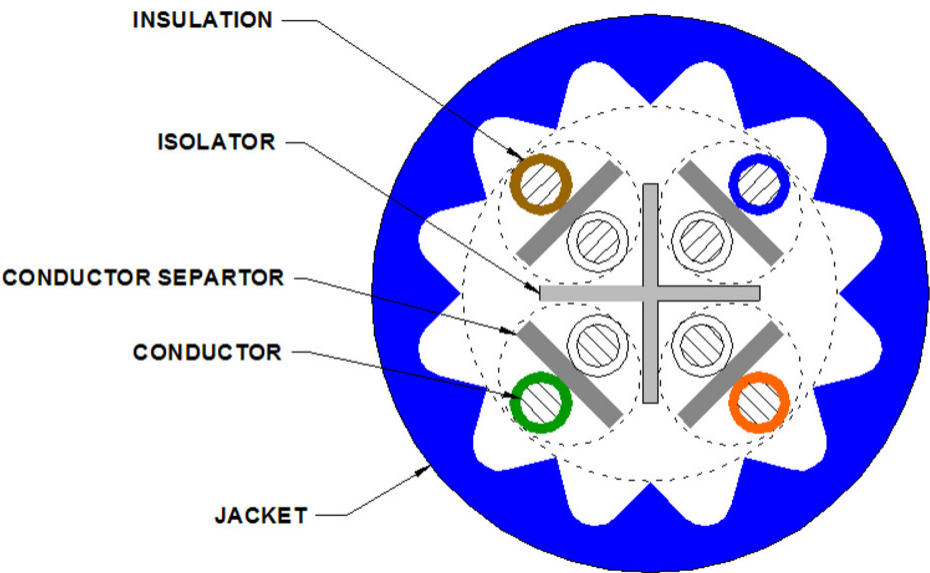
Electrical Specifications

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

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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	WE TOTE® box

Regulatory Compliance/Certifications

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

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