

760105908 | 2091B ORG C6A 4/23 U/UTP R1000



GigaSPEED X10D® 2091B ETL Verified Category 6A U/UTP Cable, orange jacket, 4 pair count, 1000 ft (305 m) length, reel

Product Classification

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

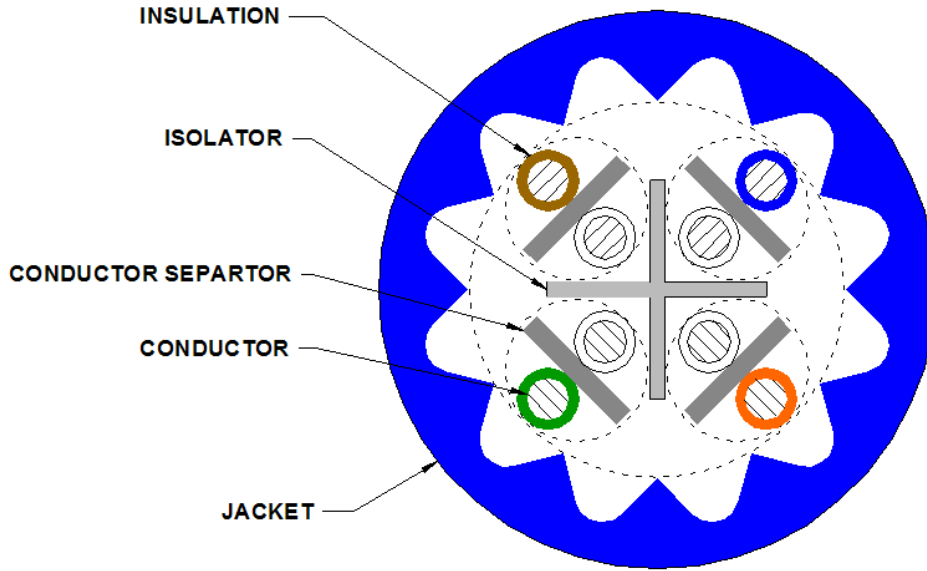
General Specifications

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	Orange
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	1000 ft 304.8 m
Diameter Over Insulated Conductor	0.035 in 0.889 mm
Diameter Over Jacket, nominal	0.285 in 7.239 mm
Jacket Thickness	0.051 in 1.295 mm
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 25 lb | 11.34 kg

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 40.7 lb/kft | 60.568 kg/km

Packaging Type Reel

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system

