760175281 | 5071A BLK C6 4/23 U/UTP R3000



GigaSPEED XL® 5071A ETL Verified Category 6 U/UTP Cable, LSZH, non-plenum CMR rated, black jacket, 4 pair count, 3000 ft (914 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 XL®

General Specifications

Product Number 5071A
ANSI/TIA Category 6

Cable Component Type Horizontal

Cable Type U/UTP (unshielded)

Conductor Type, singlesSolidConductors, quantity8Jacket ColorBlack

Note A maximum recommended horizontal cable length is 70 meters (230 feet) for a 75C

environment | Elevated temperatures may require cable length derating per ANSI

/TIA 568-C.2 Annex G to ensure channel insertion loss compliance

Pairs, quantity 4

Separator Type Bisector

Transmission Standards ANSI/TIA-568.2-D | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class E

Dimensions

 Cable Length
 914.4 m | 3000 ft

 Diameter Over Jacket, nominal
 6.096 mm | 0.24 in

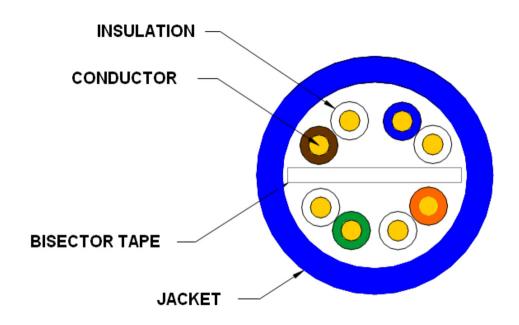
 Jacket Thickness
 0.635 mm | 0.025 in

Conductor Gauge, singles 23 AWG

Cross Section Drawing



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Electrical Specifications

dc Resistance Unbalance, maximum 5 %

dc Resistance, maximum 7.61 ohms/100 m | 2.32 ohms/100 ft

Dielectric Strength, minimum1500 Vac | 2500 VdcMutual Capacitance at Frequency5.6 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP) 69 %

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 MaterialBare copperInsulation MaterialPolyolefin

Jacket Material Low Smoke Zero Halogen (LSZH)

Separator Material Polyolefin

Mechanical Specifications



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Pulling Tension, maximum

11.34 kg | 25 lb

Environmental Specifications

Installation temperature $0 \, ^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$ (+32 $^{\circ}\text{F}$ to +140 $^{\circ}\text{F}$)

Operating Temperature $-40 \, ^{\circ}\text{C}$ to +75 $^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to +167 $^{\circ}\text{F}$)

Environmental Space Low Smoke Zero Halogen (LSZH) | Non-plenum

Temperature Rating, UL $75 \,^{\circ}\text{C} \mid 167 \,^{\circ}\text{F}$ Fire Safety Listing $\text{CM-LS} \mid \text{CMR}$

Flame Test Method UL 1666 | UL 1685

Smoke Test Method UL 1685-LS

Packaging and Weights

Cable weight 41.564 kg/km | 27.93 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 www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant

