

# 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

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

## General Specifications

<b>Product Number</b>	5071A
<b>ANSI/TIA Category</b>	6
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	U/UTP (unshielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	Black
<b>Note</b>	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
<b>Pairs, quantity</b>	4
<b>Separator Type</b>	Bisector
<b>Transmission Standards</b>	ANSI/TIA-568.2-D   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E

## Dimensions

<b>Cable Length</b>	914.4 m   3000 ft
<b>Diameter Over Jacket, nominal</b>	6.096 mm   0.24 in
<b>Jacket Thickness</b>	0.635 mm   0.025 in
<b>Conductor Gauge, singles</b>	23 AWG

## Cross Section Drawing



## Electrical Specifications

<b>dc Resistance Unbalance, maximum</b>	5 %
<b>dc Resistance, maximum</b>	7.61 ohms/100 m   2.32 ohms/100 ft
<b>Dielectric Strength, minimum</b>	1500 Vac   2500 Vdc
<b>Mutual Capacitance at Frequency</b>	5.6 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	69 %
<b>Operating Frequency, maximum</b>	300 MHz
<b>Operating Voltage, maximum</b>	80 V
<b>Remote Powering</b>	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

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Separator Material</b>	Polyolefin

## Mechanical Specifications

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**Pulling Tension, maximum** 11.34 kg | 25 lb

## Environmental Specifications

**Installation temperature** 0 °C to +60 °C (+32 °F to +140 °F)  
**Operating Temperature** -40 °C to +75 °C (-40 °F to +167 °F)  
**Environmental Space** Low Smoke Zero Halogen (LSZH) | Non-plenum  
**Temperature Rating, UL** 75 °C | 167 °F  
**Fire Safety Listing** CM-LS | 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

