

# CHAXB | IP06-06RUTP-01S-BLUNT

## Base Product



InstaPATCH® Cu GigaSPEED XL® U/UTP Riser Preterminated Copper Cable, single row standard density outlet to unterminated, 6 links

This product will be discontinued on: January 31, 2025

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Copper trunk cable assembly
<b>Product Brand</b>	GigaSPEED XL®   InstaPATCH® Cu

## General Specifications

<b>ANSI/TIA Category</b>	6
<b>Cable Type</b>	U/UTP (unshielded)
<b>Conductor Type</b>	Solid
<b>Interface, Connector A</b>	Information outlet
<b>Interface Feature, connector A</b>	Single row   Standard density
<b>Interface, Connector B</b>	Unterminated
<b>Link Count</b>	6
<b>Wiring</b>	T568B

## Dimensions

<b>Cable Assembly Length Range (m)</b>	5 – 90
<b>Cable Assembly Length Range (ft)</b>	17 – 295

## Electrical Specifications

<b>dc Resistance, maximum</b>	0.3 ohm
<b>Safety Voltage Rating</b>	300 V

## Ordering Tree

# CHAXB | IP06-06RUTP-01S-BLUNT

1		2		3		4		5		6		7		8		9		10		11		12	
C A A A C - 1 1 H A B B F 0 5 0																							
<b>Cable Type</b>																							
A	Cat 6A X10D – U/UTP (Plenum)																						
B	Cat 6A X10D – U/UTP (Riser)																						
C	Cat 6A X10D – U/UTP (LSZH)																						
D	Cat 6A X10D – F/UTP (Plenum)																						
E	Cat 6A X10D – F/UTP (Riser)																						
F	Cat 6A X10D – F/UTP (LSZH)																						
G	Cat 6 XL – U/UTP (Plenum)																						
H	Cat 6 XL – U/UTP (Riser)																						
J	Cat 6 XL – U/UTP (LSZH)																						
Q	Cat 6A X10D – S/FTP (LSZH)																						
R	Cat 6 – U/UTP Class B Rated (LSZH)																						
S	Cat 6A – U/UTP Class B Rated (LSZH)																						
Y	Cat 6A X10D SD – U/UTP (Riser)																						
<b>Connector A</b>																							
A	Outlet* – Single Row Standard Density																						
B	Outlet* – Dual Row Standard Density																						
C	Outlet* – Dual Row High Density																						
G	RJ45 Plug* – Single Row Standard Density																						
H	RJ45 Plug* – Dual Row Standard Density																						
J	RJ45 Plug* – Dual Row High Density																						
N	1100 Module																						
R	360 1100 Evolve Module																						
S	OneLink 2x6																						
T	OneLink 2x4																						
<b>Connector B</b>																							
A	Outlet* – Single Row Standard Density																						
B	Outlet* – Dual Row Standard Density																						
C	Outlet* – Dual Row High Density																						
G	RJ45 Plug* – Single Row Standard Density																						
H	RJ45 Plug* – Dual Row Standard Density																						
J	RJ45 Plug* – Dual Row High Density																						
N	1100 Module																						
R	360 1100 Evolve Module																						
S	OneLink 2x6																						
T	OneLink 2x4																						
<b>Link</b>																							
B	6																						
C	8																						
D	12																						
E	16																						
F	18																						
G	24																						
<b>Bundling</b>																							
H	Hook-n-loop																						
S	Sleeving																						
<b>Labeling</b>																							
A	Generic Label																						
<b>Orientation A</b>																							
1	Trident Series Flat																						
2	Right Paired Flat																						
3	Right Series Flat																						
4	Left Paired Flat																						
5	Left Series Flat																						
6	Trident Paired Flat																						
A	Trident Series Angled																						
B	Right Paired Angled																						
C	Right Series Angled																						
D	Left Paired Angled																						
E	Left Series Angled																						
F	Trident Paired Angled																						
<b>Orientation B</b>																							
1	Trident Series Flat																						
2	Right Paired Flat																						
3	Right Series Flat																						
4	Left Paired Flat																						
5	Left Series Flat																						
6	Trident Paired Flat																						
A	Trident Series Angled																						
B	Right Paired Angled																						
C	Right Series Angled																						
D	Left Paired Angled																						
E	Left Series Angled																						
F	Trident Paired Angled																						
X	Not Applicable																						
<b>Outlet Color</b>																							
0	Not Applicable																						
1	Black (BK)																						
2	Blue (BL)																						
8	White (WH)																						
<b>Jacket Color</b>																							
8	White (WH)																						
C	Slate (SL)																						
Z	Blue (BL)																						
<b>UOM</b>																							
F	Foot																						
M	Meter																						
<b>Length</b>																							
12	XXX																						

- Cords > 1m are authorized for use in channels and are an effective standalone method used to connect active devices
- Cords < 1m are also valid elements for use in a channel or as an equipment interconnect, but due to their limited length are not guaranteed to meet component compliance requirements that were developed to assess the quality of longer cords

## Environmental Specifications

<b>Operating Temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Environmental Space</b>	Riser
<b>Flammability Rating</b>	UL 94 V-0

## 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



## Included Products

1071E-4/23	–	GigaSPEED XL® 1071E ETL Verified Category 6 U/UTP Cable, non-plenum, 4 pair count
MGS400	–	GigaSPEED XL® M-Series Modular Jack, RJ45, Cat6 Unshielded

# 1071E-4/23

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GigaSPEED XL® 1071E ETL Verified Category 6 U/UTP Cable, non-plenum, 4 pair count

## 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®
<b>Ordering Note</b>	Not available in Europe, the Middle East, or Africa

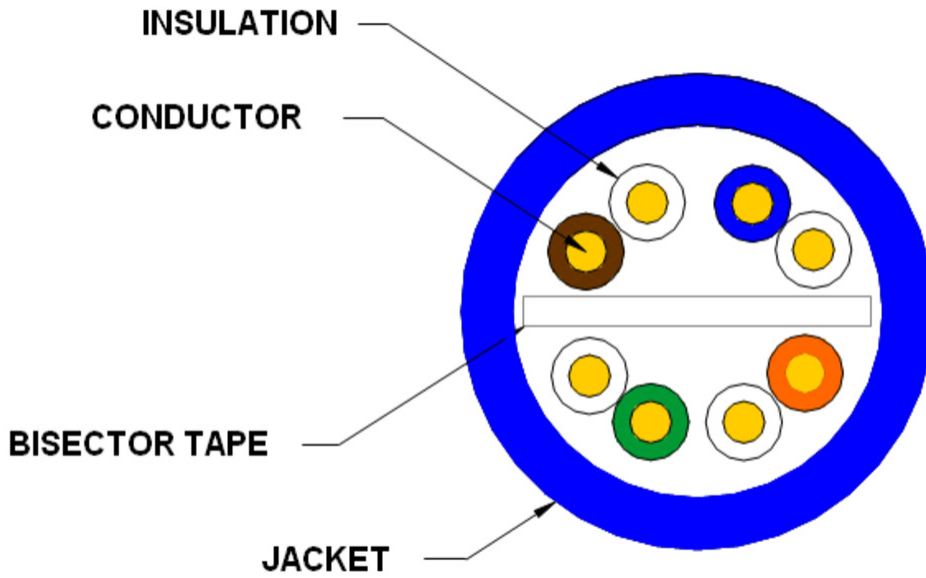
## General Specifications

<b>Product Number</b>	1071E
<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>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>Diameter Over Jacket, nominal</b>	5.893 mm   0.232 in
<b>Jacket Thickness</b>	0.559 mm   0.022 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>	PVC
<b>Separator Material</b>	Polyolefin

## Mechanical Specifications

# 1071E-4/23

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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** -20 °C to +60 °C (-4 °F to +140 °F)

**Environmental Space** Non-plenum

**Temperature Rating, UL** 75 °C | 167 °F

**Flame Test Method** CMG | CMR

## Packaging and Weights

**Cable weight** 38.097 kg/km | 25.6 lb/kft

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

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

# MGS400

## Base Product



## GigaSPEED XL® M-Series Modular Jack, RJ45, Cat6 Unshielded

- Electrical performance guaranteed to meet or exceed the channel specifications to ISO/IEC 11801 Class E and ANSI/TIA-568.2-D Category 6
- Patented crossing of straddling pair contacts enables efficient alien crosstalk reduction in the channel
- Snaps into standard M-series faceplates, surface-mount boxes, consolidation point boxes and modular panels
- Mountable either at 90 degrees (straight) or 45 degrees (angled) in M-series faceplate

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

### Portfolio

SYSTIMAX®

### Product Type

Modular jack

### Product Brand

GigaSPEED XL®

### Product Series

MGS400

## General Specifications

### ANSI/TIA Category

6

### Cable Type

Unshielded

### Conductor Type

Solid | Stranded

### Termination Type

IDC

### Wiring

T568A | T568B

## Dimensions

### Height

19.4 mm | 0.764 in

### Width

21.08 mm | 0.83 in

### Depth

30.2 mm | 1.189 in

### Compatible Conductor Gauge, solid

22 AWG | 24 AWG

### Compatible Conductor Gauge, stranded

22 AWG | 24 AWG

## Electrical Specifications

### Contact Resistance Variation, maximum

20 mOhm

### Contact Resistance, maximum

100 mOhm

# MGS400

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<b>Current Rating at Temperature</b>	1.5 A @ 20 °C   1.5 A @ 68 °F
<b>Dielectric Withstand Voltage, RMS, conductive surface</b>	1,500 Vac @ 60 Hz
<b>Dielectric Withstand Voltage, RMS, contact-to-contact</b>	1,000 Vac @ 60 Hz
<b>Insulation Resistance, minimum</b>	500 MOhm
<b>PoE Durability</b>	Supports IEEE 802.3bt Type 4 (90 W) applications after 3000 plug to jack mating cycles

## Material Specifications

<b>Contact Plating Material</b>	Precious metals
<b>Material Type</b>	Copper alloy   High-impact, flame retardant, thermoplastic
<b>Termination Contact Plating</b>	Nickel

## Mechanical Specifications

<b>Plug Retention Force, minimum</b>	133 N   29.9 lbf
<b>Plug to Jack Mating Cycles</b>	Complies to IEC 60603-7 series

## Environmental Specifications

<b>Operating Temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Relative Humidity</b>	Up to 95%, non-condensing
<b>Flammability Rating</b>	UL 94 V-0
<b>Safety Standard</b>	UL   cUL

## Regulatory Compliance/Certifications

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