

# CHAXC | IPO6-08RUTP-01S-BLUNT

## Base Product



InstaPATCH® Cu GigaSPEED XL® U/UTP Riser Preterminated Copper Cable, single row standard density outlet to unterminated, 8 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>	8
<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

# CHAXC | IPO6-08RUTP-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

Cable Type	Connector B	Orientation A	Orientation B
<b>A</b> Cat 6A X10D – U/UTP (Plenum)	<b>A</b> Outlet* – Single Row Standard Density	<b>1</b> Trident Series Flat	<b>1</b> Trident Series Flat
<b>B</b> Cat 6A X10D – U/UTP (Riser)	<b>B</b> Outlet* – Dual Row Standard Density	<b>2</b> Right Paired Flat	<b>2</b> Right Paired Flat
<b>C</b> Cat 6A X10D – U/UTP (LSZH)	<b>C</b> Outlet* – Dual Row High Density	<b>3</b> Right Series Flat	<b>3</b> Right Series Flat
<b>D</b> Cat 6A X10D – F/UTP (Plenum)	<b>G</b> RJ45 Plug* – Single Row Standard Density	<b>4</b> Left Paired Flat	<b>4</b> Left Paired Flat
<b>E</b> Cat 6A X10D – F/UTP (Riser)	<b>H</b> RJ45 Plug* – Dual Row Standard Density	<b>5</b> Left Series Flat	<b>5</b> Left Series Flat
<b>F</b> Cat 6A X10D – F/UTP (LSZH)	<b>J</b> RJ45 Plug* – Dual Row High Density	<b>6</b> Trident Paired Flat	<b>6</b> Trident Paired Flat
<b>G</b> Cat 6 XL – U/UTP (Plenum)	<b>N</b> 1100 Module	<b>A</b> Trident Series Angled	<b>A</b> Trident Series Angled
<b>H</b> Cat 6 XL – U/UTP (Riser)	<b>R</b> 360 1100 Evolve Module	<b>B</b> Right Paired Angled	<b>B</b> Right Paired Angled
<b>J</b> Cat 6 XL – U/UTP (LSZH)	<b>S</b> OneLink 2x6	<b>C</b> Right Series Angled	<b>C</b> Right Series Angled
<b>Q</b> Cat 6A X10D – S/FTP (LSZH)	<b>T</b> OneLink 2x4	<b>D</b> Left Paired Angled	<b>D</b> Left Paired Angled
<b>R</b> Cat 6 – U/UTP Class B Rated (LSZH)		<b>E</b> Left Series Angled	<b>E</b> Left Series Angled
<b>S</b> Cat 6A – U/UTP Class B Rated (LSZH)		<b>F</b> Trident Paired Angled	<b>F</b> Trident Paired Angled
<b>Y</b> Cat 6A X10D SD – U/UTP (Riser)			<b>X</b> Not Applicable

Connector A	Link	Outlet Color	UOM	Length
<b>A</b> Outlet* – Single Row Standard Density	<b>B</b> 6	<b>0</b> Not Applicable	<b>11</b> <b>F</b> Foot	<b>12</b> <b>XXX</b>
<b>B</b> Outlet* – Dual Row Standard Density	<b>C</b> 8	<b>1</b> Black (BK)	<b>M</b> Meter	
<b>C</b> Outlet* – Dual Row High Density	<b>D</b> 12	<b>2</b> Blue (BL)		
<b>G</b> RJ45 Plug* – Single Row Standard Density	<b>E</b> 16	<b>8</b> White (WH)		
<b>H</b> RJ45 Plug* – Dual Row Standard Density	<b>F</b> 18			
<b>J</b> RJ45 Plug* – Dual Row High Density	<b>G</b> 24			
<b>N</b> 1100 Module				
<b>R</b> 360 1100 Evolve Module				
<b>S</b> OneLink 2x6				
<b>T</b> OneLink 2x4				
<b>X</b> Unterminated				

Bundling	Jacket Color
<b>7</b> <b>H</b> Hook-n-loop	<b>10</b> <b>B</b> White (WH)
<b>S</b> Sleeving	<b>C</b> Slate (SL)
	<b>Z</b> Blue (BL)

• 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

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Riser

**Flammability Rating** UL 94 V-0

## Regulatory Compliance/Certifications

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

## 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



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

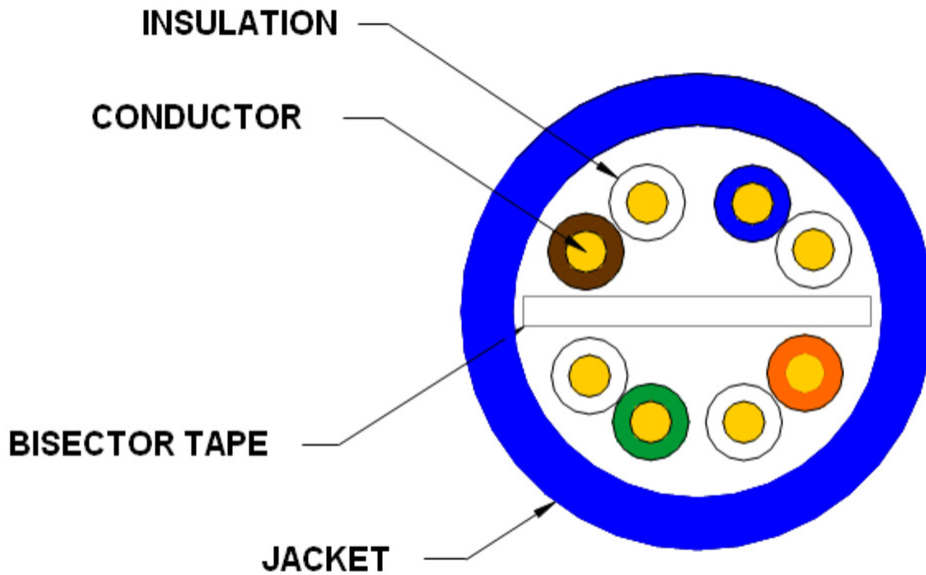
## General Specifications

<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