

# CHAXG | IP06-24RUTP-01S-BLUNT

Base Product



InstaPATCH® Cu GigaSPEED XL® U/UTP Riser Preterminated Copper Cable, single row standard density outlet to unterminated, 24 links

This product will be discontinued on: January 31, 2025

## Product Classification

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

## General Specifications

|                                |                               |
|--------------------------------|-------------------------------|
| ANSI/TIA Category              | 6                             |
| Cable Type                     | U/UTP (unshielded)            |
| Conductor Type                 | Solid                         |
| Interface, Connector A         | Information outlet            |
| Interface Feature, connector A | Single row   Standard density |
| Interface, Connector B         | Unterminated                  |
| Link Count                     | 24                            |
| Wiring                         | T568B                         |

## Dimensions

|                                  |          |
|----------------------------------|----------|
| Cable Assembly Length Range (m)  | 5 – 90   |
| Cable Assembly Length Range (ft) | 17 – 295 |

## Electrical Specifications

|                        |         |
|------------------------|---------|
| dc Resistance, maximum | 0.3 ohm |
| Safety Voltage Rating  | 300 V   |

## Ordering Tree

# CHAXG | IP06-24RUTP-01S-BLUNT

123456789101112

C A A A C - 1 1 H A B B F 0 5 0

Cable Type

1

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)

Connector A

2

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

X

Unterminated

Connector B

3

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

Link

4

B

6

C

8

D

12

E

16

F

18

G

24

Bundling

7

H

Hook-n-loop

S

Sleeving

Labeling

8

A

Generic Label

Orientation A

5

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

Outlet Color

9

0

Not Applicable

1

Black (BK)

2

Blue (BL)

8

White (WH)

Jacket Color

10

8

White (WH)

C

Slate (SL)

Z

Blue (BL)

UOM

11

F

Foot

M

Meter

Length

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

|                       |                                      |
|-----------------------|--------------------------------------|
| 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        | Classification   |
| ISO 9001:2015 | 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                        |



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

Product Classification

|                       |   |
|-----------------------|---|
| Regional Availability | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| Portfolio             | SYSTIMAX®   |
| Product Type          | Twisted pair cable  |
| Product Brand         | GigaSPEED XL®   |
| Ordering Note         | Not available in Europe, the Middle East, or Africa                 |

General Specifications

|                         |   |
|-------------------------|---|
| Product Number          | 1071E   |
| ANSI/TIA Category       | 6   |
| Cable Component Type    | Horizontal  |
| Cable Type              | U/UTP (unshielded)  |
| Conductor Type, singles | Solid   |
| Conductors, quantity    | 8   |
| Pairs, quantity         | 4   |
| Separator Type          | Bisector  |
| Transmission Standards  | ANSI/TIA-568.2-D   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E |

Dimensions

|                               |                     |
|-------------------------------|---------------------|
| Diameter Over Jacket, nominal | 5.893 mm   0.232 in |
| Jacket Thickness              | 0.559 mm   0.022 in |
| Conductor Gauge, singles      | 23 AWG              |

Cross Section Drawing



Electrical Specifications

|                                       |   |
|---------------------------------------|---|
| dc Resistance Unbalance, maximum      | 5 %   |
| dc Resistance, maximum                | 7.61 ohms/100 m   2.32 ohms/100 ft  |
| Dielectric Strength, minimum          | 1500 Vac   2500 Vdc   |
| Mutual Capacitance at Frequency       | 5.6 nF/100 m @ 1 kHz  |
| Nominal Velocity of Propagation (NVP) | 69 %  |
| Operating Frequency, maximum          | 300 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 | Polyolefin  |
| Jacket Material     | PVC         |
| Separator Material  | Polyolefin  |

Mechanical Specifications

# 1071E-4/23

**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        | Classification   |
|---------------|--|
| ISO 9001:2015 | 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

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

## Material Specifications

|                             |  |
|-----------------------------|--|
| Contact Plating Material    | Precious metals  |
| Material Type               | Copper alloy   High-impact, flame retardant, thermoplastic |
| Termination Contact Plating | Nickel   |

## Mechanical Specifications

|                               |                                |
|-------------------------------|--------------------------------|
| Plug Retention Force, minimum | 133 N   29.9 lbf               |
| Plug to Jack Mating Cycles    | Complies to IEC 60603-7 series |

## Environmental Specifications

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

## Regulatory Compliance/Certifications

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