

# CJAGG | IP06-24LUTP-01S-PG1S

Base Product



InstaPATCH® Cu GigaSPEED XL® U/UTP LSZH Preterminated Copper Cable, single row standard density outlet to single row standard density RJ45 plug, 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	RJ45 plug
Interface Feature, connector B	Single row   Standard
Link Count	24
Wiring	T568B

## Dimensions

Cable Assembly Length Range (m)	2 – 30
Cable Assembly Length Range (ft)	7 – 98

## Electrical Specifications

dc Resistance, maximum	0.3 ohm
Safety Voltage Rating	300 V

# CJAGG | IP06-24LUTP-01S-PG1S

## Ordering Tree

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 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

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

Orientation B

6

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

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

Link

4

B 6

C 8

D 12

E 16

F 18

G 24

Outlet Color

9

0 Not Applicable

1 Black (BK)

2 Blue (BL)

8 White (WH)

UOM

11

F Foot

M Meter

Length

12

XXX

Bundling

7

H Hook-n-loop

S Slewing

Jacket Color

10

B White (WH)

C Slate (SL)

Z Blue (BL)

Labeling

8

A Generic Label

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	Low Smoke Zero Halogen (LSZH)
Flammability Rating	UL 94 V-0

## Regulatory Compliance/Certifications

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

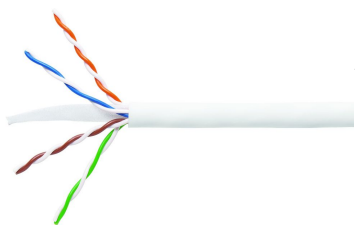
## Included Products

3071E-4/23	– GigaSPEED XL® 3071 ETL Verified Category 6 U/UTP Cable, low smoke zero halogen, 4 pair count
MGS400	– GigaSPEED XL® M-Series Modular Jack, RJ45, Cat6 Unshielded

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COMMScope®



GigaSPEED XL® 3071 ETL Verified Category 6 U/UTP Cable, low smoke zero halogen, 4 pair count

## Product Classification

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

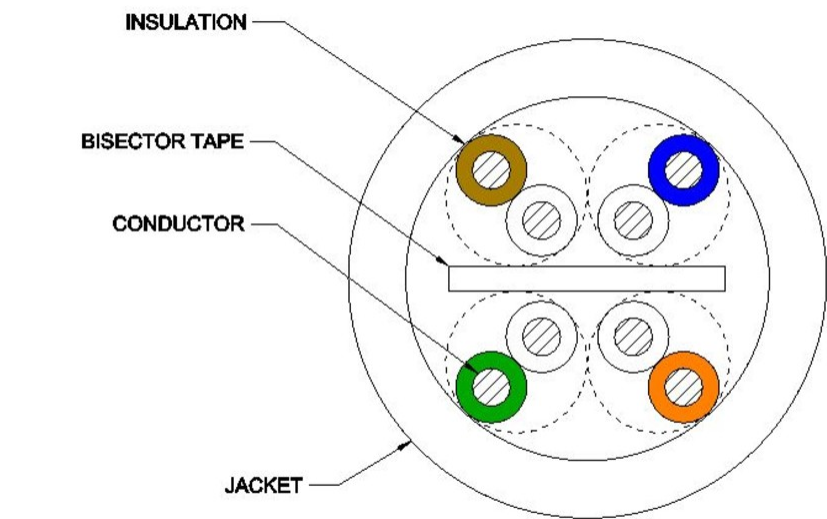
## General Specifications

Product Number	3071E
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	5.918 mm   0.233 in
Jacket Thickness	0.508 mm   0.02 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
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	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin

Mechanical Specifications

Pulling Tension, maximum	11.34 kg   25 lb
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## 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)
Acid Gas Test Method	IEC 60754-2
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-3-22
Smoke Test Method	IEC 61034-2

## Packaging and Weights

Cable weight	37.204 kg/km   25 lb/kft
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## 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