# CJCCG | IPO6-24LUTP-02H-02H

#### **Base Product**



InstaPATCH® Cu GigaSPEED XL® U/UTP LSZH Preterminated Copper Cable, dual row high density outlet to dual row standard density outlet, 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	Dual row   High density
Interface, Connector B	Information outlet
Interface Feature, connector B	Dual row   High density
Link Count	24
Wiring	T568B
Dimensions	
Cable Assembly Length Range (m)	2 - 90
Cable Assembly Length Range (ft)	7 – 295
Electrical Specifications	
dc Resistance, maximum	0.3 ohm
Safety Voltage Rating	300 V

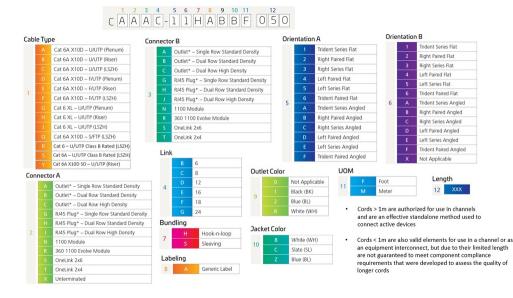
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# CJCCG | IPO6-24LUTP-02H-02H

# Ordering Tree



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

### Product Classification

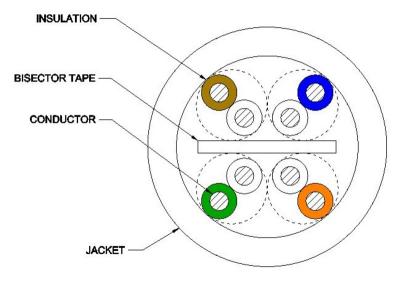
Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America
Portfolio	SYSTIMAX®
Product Type	Twisted pair cable
Product Brand	GigaSPEED XL®
General Specifications	
Product Number	3071E
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	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

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# **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	

#### Mechanical Specifications

Pulling Tension, maximum

11.34 kg | 25 lb

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# 3071E-4/23

## **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)	
ame Test Method IEC 60332-3-22		
Smoke Test Method	IEC 61034-2	

### Packaging and Weights

Cable weight

37.204 kg/km | 25 lb/kft

## Regulatory Compliance/Certifications

Classification

#### Agency

ISO 9001:2015

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# 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

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# 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)

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

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