# CGNNG | IP06-24PUTP-1100L-1100L

Base Product

InstaPATCH® Cu GigaSPEED XL® U/UTP Plenum Preterminated Copper Cable, 1100 module to 1100 module, 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** | 1100 module |
| **Interface Feature, connector A** | Standard |
| **Interface, Connector B** | 1100 module |
| **Interface Feature, connector B** | Standard |
| **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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## Ordering Tree



**Cable Type**

| | |
|---|---|
| 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**

| | |
|---|---|
| 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**

| | |
|---|---|
| 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**

| | |
|---|---|
| B | 6 |
| C | 8 |
| D | 12 |
| E | 16 |
| F | 18 |
| G | 24 |

**Bundling**

| | |
|---|---|
| H | Hook-n-loop |
| S | Sleeving |

**Labeling**

| | |
|---|---|
| A | Generic Label |

**Orientation A**

| | |
|---|---|
| 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**

| | |
|---|---|
| 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 |

**Outlet Color**

| | |
|---|---|
| 0 | Not Applicable |
| 1 | Black (BK) |
| 2 | Blue (BL) |
| 8 | White (WH) |

**Jacket Color**

| | |
|---|---|
| 8 | White (WH) |
| C | Slate (SL) |
| Z | Blue (BL) |

**UOM**

| | |
|---|---|
| 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** | Plenum |
| **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

| | | |
|---|---|---|
| 2071E-4/23 | – | GigaSPEED XL® 2071E ETL Verified Category 6 U/UTP Cable, plenum, 4 pair count |

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GigaSPEED XL® 2071E ETL Verified Category 6 U/UTP Cable, 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® |

## General Specifications

| | |
|---|---|
| **Product Number** | 2071E |
| **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** | 5.74 mm  \|  0.226 in |
| **Jacket Thickness** | 0.559 mm  \|  0.022 in |
| **Conductor Gauge, singles** | 23 AWG |

## Cross Section Drawing

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# 2071E-4/23



## 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)** | 71 % |
| **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** | FEP   |   Polyolefin |
| **Jacket Material** | PVC |
| **Separator Material** | Flame retardant polyolefin |

## Mechanical Specifications

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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** | Plenum |
| **Temperature Rating, UL** | 75 °C  |  167 °F |
| **Flame Test Method** | CMP/FT6 |
| **Smoke Test Method** | CMP/FT6 |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 43.157 kg/km  |  29 lb/kft |

## Regulatory Compliance/Certifications

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

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