

# CCNND | IP6A-12LUTP-1100L-1100L

## Base Product



InstaPATCH® Cu GigaSPEED X10D® U/UTP LSZH Preterminated Copper Cable, 1100 module to 1100 module, 12 links

## 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 X10D®   InstaPATCH® Cu                                    |

## General Specifications

|                                       |                    |
|---------------------------------------|--------------------|
| <b>ANSI/TIA Category</b>              | 6A                 |
| <b>Cable Type</b>                     | U/UTP (unshielded) |
| <b>Conductor Type</b>                 | Solid              |
| <b>Interface, Connector A</b>         | 1100 module        |
| <b>Interface Feature, connector A</b> | Standard           |
| <b>Interface, Connector B</b>         | 1100 module        |
| <b>Interface Feature, connector B</b> | Standard           |
| <b>Link Count</b>                     | 12                 |
| <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

# CCNND | IP6A-12LUTP-1100L-1100L

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

| Connector A                                | Link | Outlet Color     | Jacket Color  | Bundling      | Labeling        |
|--|------|------------------|---------------|---------------|-----------------|
| A Outlet* – Single Row Standard Density    | B 6  | 0 Not Applicable | 8 White (WH)  | H Hook-n-loop | A Generic Label |
| B Outlet* – Dual Row Standard Density      | C 8  | 1 Black (BK)     | 10 Slate (SL) | S Sleaving    |                 |
| C Outlet* – Dual Row High Density          | D 12 | 2 Blue (BL)      |               |               |                 |
| G RJ45 Plug* – Single Row Standard Density | E 16 | 3 White (WH)     |               |               |                 |
| H RJ45 Plug* – Dual Row Standard Density   | F 18 |                  |               |               |                 |
| J RJ45 Plug* – Dual Row High Density       | G 24 |                  |               |               |                 |
| N 1100 Module                              |      |                  |               |               |                 |
| R 360 1100 Evolve Module                   |      |                  |               |               |                 |
| S OneLink 2x6                              |      |                  |               |               |                 |
| T OneLink 2x4                              |      |                  |               |               |                 |
| X Unterminated                             |      |                  |               |               |                 |

| UOM     | Length |
|---------|--------|
| F Foot  | 12 XXX |
| M Meter |        |

- 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

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Operating Temperature</b> | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Environmental Space</b>   | Low Smoke Zero Halogen (LSZH)        |
| <b>Flammability Rating</b>   | UL 94 V-0                            |

## Regulatory Compliance/Certifications

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

## Included Products

- 3091B-4/23 – GigaSPEED X10D® 3091B ETL Verified Category 6A U/UTP Cable, 4 pair count,

# 3091B-4/23

---



GigaSPEED X10D® 3091B ETL Verified Category 6A U/UTP Cable, 4 pair count,

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America |
| <b>Portfolio</b>             | SYSTIMAX®   |
| <b>Product Type</b>          | Twisted pair cable                                  |
| <b>Product Brand</b>         | GigaSPEED X10D®                                     |

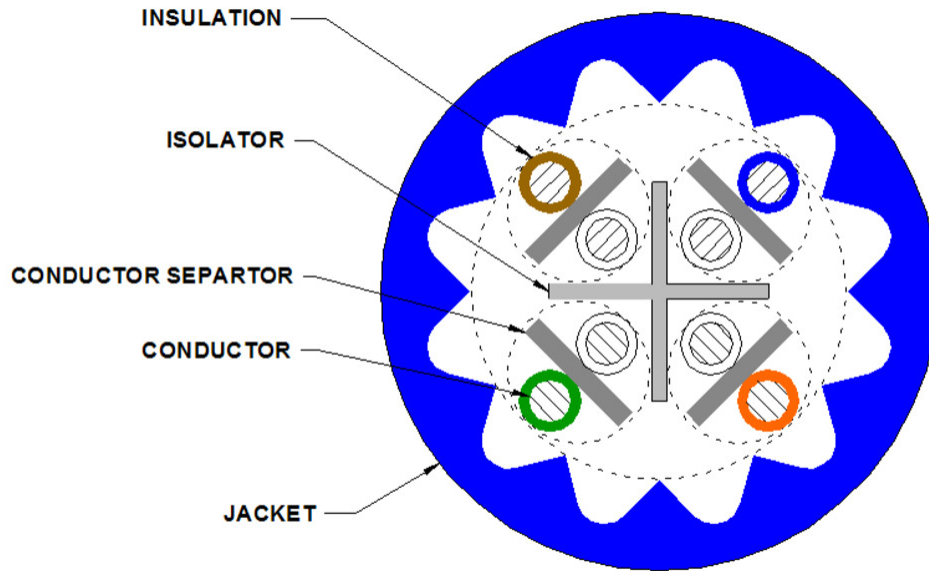
## General Specifications

|                                |   |
|--------------------------------|---|
| <b>Product Number</b>          | 3091B                                     |
| <b>ANSI/TIA Category</b>       | 6A  |
| <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>          | Isolator                                  |
| <b>Transmission Standards</b>  | ANSI/TIA-568.2-D   ISO/IEC 11801 Class EA |

## Dimensions

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Diameter Over Jacket, nominal</b> | 7.239 mm   0.285 in |
| <b>Jacket Thickness</b>              | 1.295 mm   0.051 in |
| <b>Conductor Gauge, singles</b>      | 23 AWG              |

## Cross Section Drawing



## Electrical Specifications

|  |   |
|--|---|
| <b>dc Resistance Unbalance, maximum</b>      | 4 %   |
| <b>dc Resistance, maximum</b>                | 7.61 ohms/100 m   2.32 ohms/100 ft  |
| <b>Mutual Capacitance at Frequency</b>       | 6.0 nF/100 m @ 1 kHz  |
| <b>Nominal Velocity of Propagation (NVP)</b> | 67 %  |
| <b>Operating Frequency, maximum</b>          | 550 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>      | Low Smoke Zero Halogen (LSZH) |
| <b>Separator Material</b>   | Polyolefin                    |
| <b>Separator 2 Material</b> | Polyolefin                    |

## Mechanical Specifications

|                                 |                  |
|---------------------------------|------------------|
| <b>Pulling Tension, maximum</b> | 11.34 kg   25 lb |
|---------------------------------|------------------|

## Environmental Specifications

|                                 |                                     |
|---------------------------------|-------------------------------------|
| <b>Installation temperature</b> | 0 °C to +60 °C (+32 °F to +140 °F)  |
| <b>Operating Temperature</b>    | -20 °C to +60 °C (-4 °F to +140 °F) |
| <b>Acid Gas Test Method</b>     | IEC 60754-2                         |
| <b>Environmental Space</b>      | Low Smoke Zero Halogen (LSZH)       |
| <b>Flame Test Method</b>        | IEC 60332-3-22                      |
| <b>Smoke Test Method</b>        | IEC 61034-2                         |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 54.913 kg/km   36.9 lb/kft |
|---------------------|----------------------------|

## Regulatory Compliance/Certifications

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