

# CAHNG | IP6A-24PUTP-PG2S-1100L

## Base Product



InstaPATCH® Cu GigaSPEED X10D® U/UTP Plenum Preterminated Copper Cable, dual row standard density RJ45 plug to 1100 module, 24 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>	RJ45 plug
<b>Interface Feature, connector A</b>	Dual row   Standard density
<b>Interface, Connector B</b>	1100 module
<b>Interface Feature, connector B</b>	Standard
<b>Link Count</b>	24
<b>Wiring</b>	T568B

## Dimensions

<b>Cable Assembly Length Range (m)</b>	2 – 30
<b>Cable Assembly Length Range (ft)</b>	7 – 98

## Electrical Specifications

<b>dc Resistance, maximum</b>	0.3 ohm
<b>Safety Voltage Rating</b>	300 V

## Ordering Tree

# CAHNG | IP6A-24PUTP-PG2S-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
<b>1</b> 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)	<b>3</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	<b>5</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	<b>6</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

Connector A	Link	Outlet Color	UOM	Length
<b>2</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 X Unterminated	<b>4</b> B 6 C 8 D 12 E 16 F 18 G 24	<b>9</b> 0 Not Applicable 1 Black (BK) 2 Blue (BL) 3 White (WH)	<b>11</b> F Foot M Meter	<b>12</b> XXX

Bundling	Jacket Color	Labeling
<b>7</b> H Hook-n-loop S Sleaving	<b>10</b> B White (WH) C Slate (SL) Z Blue (BL)	<b>8</b> 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

<b>Operating Temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Environmental Space</b>	Plenum
<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

123	– GigaSPEED X10D® 2095B Category 6A U/UTP Cable, plenum, 4 pair count
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## GigaSPEED X10D® 2095B Category 6A U/UTP Cable, plenum, 4 pair count

### Product Classification

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

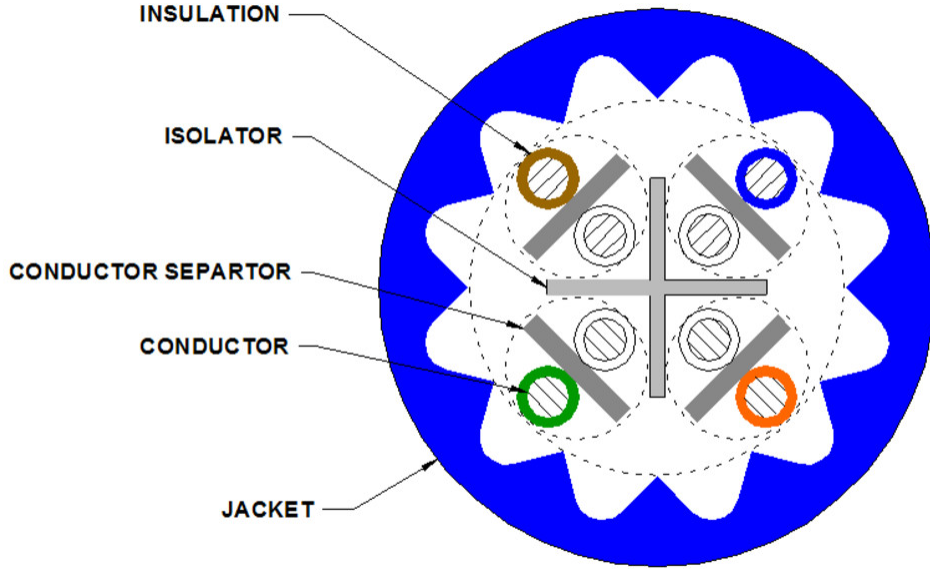
### General Specifications

<b>Product Number</b>	2095B
<b>ANSI/TIA Category</b>	6A
<b>Cable Component Type</b>	Cordage
<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

### Dimensions

<b>Diameter Over Jacket, nominal</b>	7.239 mm   0.285 in
<b>Jacket Thickness</b>	1.524 mm   0.06 in
<b>Conductor Gauge, singles</b>	24 AWG

### Cross Section Drawing



## Electrical Specifications

<b>Characteristic Impedance</b>	100 ohm
<b>Characteristic Impedance Tolerance</b>	±15 ohm
<b>dc Resistance Unbalance, maximum</b>	4 %
<b>dc Resistance, maximum</b>	9.38 ohms/100 m   2.859 ohms/100 ft
<b>Dielectric Strength, minimum</b>	1500 Vac   2500 Vdc
<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
<b>Safety Voltage Rating</b>	300 V

## Material Specifications

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	FEP
<b>Jacket Material</b>	PVC
<b>Separator Material</b>	FEP

**Separator 2 Material** Polyolefin

## Mechanical Specifications

**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

**Flame Test Method** CMP/FT6

**Smoke Test Method** CMP/FT6

## Packaging and Weights

**Cable weight** 61.878 kg/km | 41.58 lb/kft

## Regulatory Compliance/Certifications

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