

# CDGGA | IP6A-04PFTP-PG1S-PG1S

## Base Product



InstaPATCH® Cu GigaSPEED X10D® F/UTP Plenum Preterminated Copper Cable, single row standard density RJ45 plug to single row standard density RJ45 plug, 4 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>	F/UTP (shielded)
<b>Conductor Type</b>	Solid
<b>Interface, Connector A</b>	RJ45 plug
<b>Interface Feature, connector A</b>	Single row   Standard density
<b>Interface, Connector B</b>	RJ45 plug
<b>Interface Feature, connector B</b>	Single row   Standard
<b>Link Count</b>	4
<b>Wiring</b>	T568B

## Dimensions

<b>Cable Assembly Length Range (m)</b>	2 – 80
<b>Cable Assembly Length Range (ft)</b>	7 – 262

## Electrical Specifications

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

## Ordering Tree

# CDGGA | IP6A-04PFTP-PG1S-PG1S

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	
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	
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	
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

  

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

  

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

  

Outlet Color	
0	Not Applicable
1	Black (BK)
2	Blue (BL)
B	White (WH)

  

UOM	
F	Foot
M	Meter

  

Length	
12	XXX

  

Bundling	
H	Hook-n-loop
S	Sleaving

  

Jacket Color	
B	White (WH)
C	Slate (SL)
Z	Blue (BL)

  

Labeling	
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

2295A-4/24	– GigaSPEED X10D® 2295A Category 6A F/UTP Cable, plenum, 4 pair count
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# 2295A-4/24

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GigaSPEED X10D® 2295A Category 6A F/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>	2295A
<b>ANSI/TIA Category</b>	6A
<b>Cable Component Type</b>	Cordage
<b>Cable Type</b>	F/UTP (shielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Drain Wire Type</b>	Solid
<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>	6.731 mm   0.265 in
<b>Jacket Thickness</b>	0.457 mm   0.018 in
<b>Conductor Gauge, singles</b>	24 AWG
<b>Drain Wire Gauge</b>	26 AWG

## Cross Section Drawing



## Electrical Specifications

<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>	5.6 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	71 %
<b>Operating Frequency, maximum</b>	500 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>Drain Wire Material</b>	Tinned copper
<b>Insulation Material</b>	FEP
<b>Jacket Material</b>	PVC
<b>Separator Material</b>	FEP
<b>Shield (Tape) Material</b>	Aluminum/Poly

## 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

**Flame Test Method** CMP/FT6

**Smoke Test Method** CMP/FT6

## Packaging and Weights

**Cable weight** 52.473 kg/km | 35.26 lb/kft

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

Designed, manufactured and/or distributed under this quality management system