# CCCHG | IP6A-24LUTP-02H-PG2S

#### **Base Product**



InstaPATCH® Cu GigaSPEED X10D® U/UTP LSZH Preterminated Copper Cable, dual row high density outlet to dual row standard density RJ45 plug, 24 links

### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio CommScope®

Product Type Copper trunk cable assembly

Product Brand GigaSPEED X10D® | InstaPATCH® Cu

General Specifications

ANSI/TIA Category 6A

Cable Type U/UTP (unshielded)

Conductor Type Solid

Interface, Connector A Information outlet

Interface Feature, connector A Dual row | High density

Interface, Connector B RJ45 plug

Interface Feature, connector B Dual row | Standard density

Link Count 24

Wiring T568B

**Dimensions** 

Cable Assembly Length Range (m) 2 - 30

Cable Assembly Length Range (ft) 7 - 98

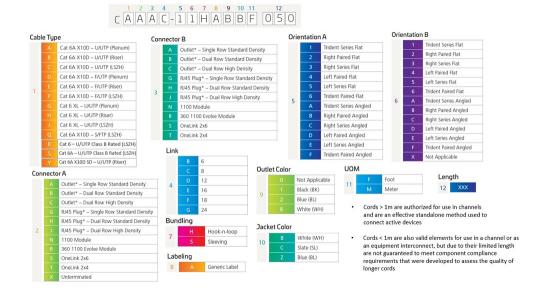
**Electrical Specifications** 

dc Resistance, maximum0.3 ohmSafety Voltage Rating300 V

Ordering Tree



# CCCHG | IP6A-24LUTP-02H-PG2S



### **Environmental Specifications**

**Operating Temperature**  $-10 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \text{ (+14 °F to +140 °F)}$ 

**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

3095B-4/24 - GigaSPEED X10D® 3095B Category 6A U/UTP Cable, non-plenum, 4 pair

count

MGS600 - GigaSPEED X10D® M-Series Modular Jack, RJ45, Cat6A Unshielded



## 3095B-4/24

### GigaSPEED X10D® 3095B Category 6A U/UTP Cable, non-plenum, 4 pair count

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America

Portfolio SYSTIMAX®

 Product Type
 Twisted pair cable

 Product Brand
 GigaSPEED X10D®

General Specifications

Product Number 3095B
ANSI/TIA Category 6A

Cable Component Type Cordage

Cable Type U/UTP (unshielded)

Conductor Type, singlesSolidConductors, quantity8Pairs, quantity4

Separator Type Isolator

**Transmission Standards** ANSI/TIA-568.2-D

**Dimensions** 

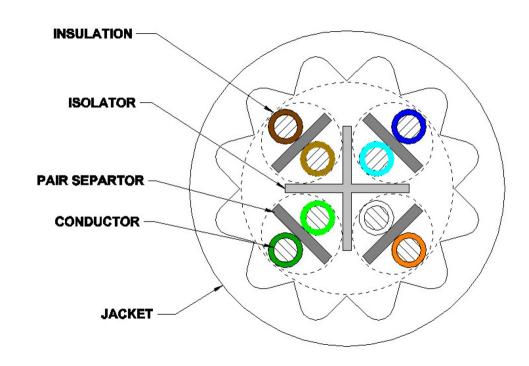
Diameter Over Jacket, nominal7.239 mm | 0.285 inJacket Thickness1.524 mm | 0.06 in

Conductor Gauge, singles 24 AWG

Cross Section Drawing



# 3095B-4/24



### **Electrical Specifications**

Characteristic Impedance100 ohmCharacteristic Impedance Tolerance±15 ohm

dc Resistance Unbalance, maximum 4 %

dc Resistance, maximum 9.38 ohms/100 m | 2.859 ohms/100 ft

Dielectric Strength, minimum1500 Vac | 2500 VdcMutual Capacitance at Frequency6.0 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP) 67 %

**Operating Frequency, maximum** 550 MHz

**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

Safety Voltage Rating 300 V

Material Specifications

**Conductor Material** Bare copper

**COMMSCOPE®** 

## 3095B-4/24

**Insulation Material** Polyolefin

Jacket Material Low Smoke Zero Halogen (LSZH)

Separator MaterialPolyolefinSeparator 2 MaterialPolyolefin

Mechanical Specifications

Pulling Tension, maximum 11.34 kg | 25 lb

**Environmental Specifications** 

Installation temperature  $0 \,^{\circ}\text{C}$  to +60  $^{\circ}\text{C}$  (+32  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

Operating Temperature  $-20 \,^{\circ}\text{C}$  to +60  $^{\circ}\text{C}$  (-4  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

Acid Gas Test Method IEC 60754-2

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings2EN50575 CPR Cable EuroClass Droplets Ratingd2EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Low Smoke Zero Halogen (LSZH)

Flame Test Method IEC 60332-3-22
Smoke Test Method IEC 61034-2

Packaging and Weights

**Cable weight** 52.741 kg/km | 35.44 lb/kft

Regulatory Compliance/Certifications

Agency Classification

CENELEC EN 50575 compliant, Declaration of Performance (DoP) available

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

CENELEC



# MGS600

#### **Base Product**



GigaSPEED X10D® M-Series Modular Jack, RJ45, Cat6A Unshielded

### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin

America | North America

Portfolio SYSTIMAX®

**Product Type** Modular jack

Product Brand GigaSPEED X10D®

Product Series MGS600

General Specifications

ANSI/TIA Category 6A

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

Page 6 of 7

## MGS600

Current Rating at Temperature 1.5 A @ 20 °C | 1.5 A @ 68 °F

Dielectric Withstand Voltage, RMS, conductive surface1,500 Vac @ 60 HzDielectric Withstand Voltage, RMS, contact-to-contact1,000 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  $-10 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (+14  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

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

