# CDGGG | IP6A-24PFTP-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, 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** F/UTP (shielded)

Conductor Type Solid

Interface, Connector A RJ45 plug

Interface Feature, connector A Single row | Standard density

Interface, Connector B RJ45 plug

Interface Feature, connector B Single row | Standard

Link Count 24

Wiring T568B

**Dimensions** 

Cable Assembly Length Range (m)2-80Cable Assembly Length Range (ft)7-262

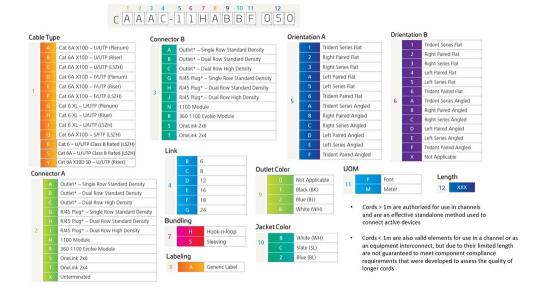
**Electrical Specifications** 

dc Resistance, maximum0.3 ohmSafety Voltage Rating300 V

Ordering Tree



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### **Environmental Specifications**

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

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

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





## 2295A-4/24

### GigaSPEED X10D® 2295A Category 6A F/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 X10D®

General Specifications

Product Number 2295A
ANSI/TIA Category 6A

Cable Component Type Cordage

Cable TypeF/UTP (shielded)

Conductor Type, singlesSolidConductors, quantity8Drain Wire TypeSolidPairs, quantity4

Separator Type Isolator

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

**Dimensions** 

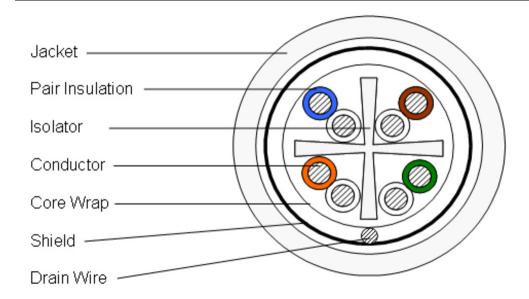
Diameter Over Jacket, nominal6.731 mm | 0.265 inJacket Thickness0.457 mm | 0.018 in

Conductor Gauge, singles24 AWGDrain Wire Gauge26 AWG

Cross Section Drawing



### 2295A-4/24



### **Electrical Specifications**

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 Frequency5.6 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP) 71 %

Operating Frequency, maximum500 MHzOperating Voltage, maximum80 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

Safety Voltage Rating 300 V

Material Specifications

Conductor MaterialBare copperDrain Wire MaterialTinned copper

Insulation MaterialFEPJacket MaterialPVCSeparator MaterialFEP

Shield (Tape) Material Aluminum/Poly

Mechanical Specifications

**COMMSCOPE®** 

# 2295A-4/24

**Pulling Tension, maximum** 11.34 kg | 25 lb

**Environmental Specifications** 

Installation temperature 0 °C to +60 °C (+32 °F to +140 °F)

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

 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 Classification

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