CGGGD | IPO6-12PUTP-PG1S-PG1S



InstaPATCH® Cu GigaSPEED XL® U/UTP Plenum Preterminated Copper Cable, single row standard density RJ45 plug to single row standard density RJ45 plug, 12 links

This product will be discontinued on: January 31, 2025

Product Classification

Regional Availability

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

Portfolio CommScope®

Product Type Copper trunk cable assembly

Product Brand GigaSPEED XL® | InstaPATCH® Cu

General Specifications

ANSI/TIA Category 6

Cable Type U/UTP (unshielded)

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 12

Wiring T568B

Dimensions

Cable Assembly Length Range (m) 2 - 100

Cable Assembly Length Range (ft) 7 - 328

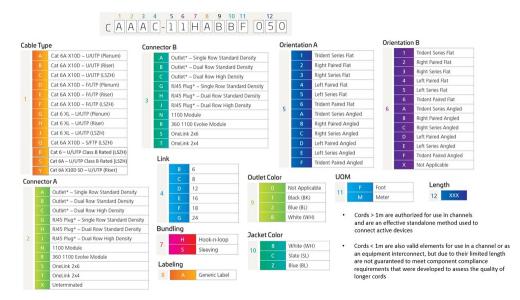
Electrical Specifications

dc Resistance, maximum0.3 ohmSafety Voltage Rating300 V

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Ordering Tree



Environmental Specifications

Operating Temperature $-10 \,^{\circ}\text{C}$ to $+60 \,^{\circ}\text{C}$ (+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

2071E-4/23 – GigaSPEED XL® 2071E ETL Verified Category 6 U/UTP Cable, plenum, 4 pair count





GigaSPEED XL® 2071E ETL Verified Category 6 U/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 XL®

General Specifications

Product Number 2071E

ANSI/TIA Category 6

Cable Component Type Horizontal

Cable TypeU/UTP (unshielded)

Conductor Type, singles Solid

Conductors, quantity 8

Separator Type Bisector

Transmission Standards ANSI/TIA-568.2-D | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class E

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Dimensions

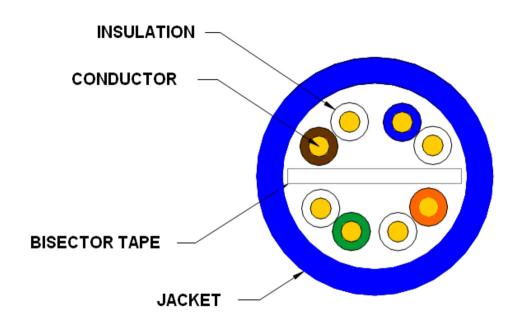
Pairs, quantity

Diameter Over Jacket, nominal5.74 mm | 0.226 inJacket Thickness0.559 mm | 0.022 in

Conductor Gauge, singles 23 AWG

Cross Section Drawing





Electrical Specifications

dc Resistance Unbalance, maximum 5 %

dc Resistance, maximum 7.61 ohms/100 m | 2.32 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, maximum $300 \, \text{MHz}$ Operating Voltage, maximum $80 \, \text{V}$

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

Material Specifications

Conductor Material Bare copper

Insulation Material FEP | Polyolefin

Jacket Material PVC

Separator Material Flame retardant polyolefin

Mechanical Specifications



2071E-4/23

Pulling Tension, maximum 11.34 kg | 25 lb

Environmental Specifications

Installation temperature $0 \, ^{\circ}\text{C} \, \text{to} +60 \, ^{\circ}\text{C} \, (+32 \, ^{\circ}\text{F to} +140 \, ^{\circ}\text{F})$ Operating Temperature $-20 \, ^{\circ}\text{C} \, \text{to} +60 \, ^{\circ}\text{C} \, (-4 \, ^{\circ}\text{F to} +140 \, ^{\circ}\text{F})$

Environmental Space Plenum

Temperature Rating, UL 75 °C | 167 °F

Flame Test Method CMP/FT6

Smoke Test Method CMP/FT6

Packaging and Weights

Cable weight 43.157 kg/km | 29 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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

