CJBGG | IPO6-24LUTP-02S-PG1S

Base Product



InstaPATCH® Cu GigaSPEED XL® U/UTP LSZH Preterminated Copper Cable, dual row standard density outlet 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 XL® | InstaPATCH® Cu

General Specifications

ANSI/TIA Category 6

Cable Type U/UTP (unshielded)

Conductor Type Solid

Interface, Connector A Information outlet

Interface Feature, connector A Dual 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 - 30

Cable Assembly Length Range (ft) 7 - 98

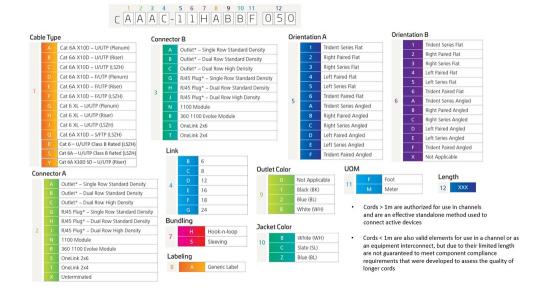
Electrical Specifications

dc Resistance, maximum0.3 ohmSafety Voltage Rating300 V

Ordering Tree



CJBGG | IPO6-24LUTP-02S-PG1S



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

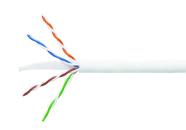
Included Products

3071E-4/23 – GigaSPEED XL® 3071 ETL Verified Category 6 U/UTP Cable, low smoke zero halogen, 4 pair

count

MGS400 – GigaSPEED XL® M-Series Modular Jack, RJ45, Cat6 Unshielded





GigaSPEED XL® 3071 ETL Verified Category 6 U/UTP Cable, low smoke zero halogen, 4 pair count

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America

Portfolio SYSTIMAX®

 Product Type
 Twisted pair cable

 Product Brand
 GigaSPEED XL®

General Specifications

Product Number 3071E

ANSI/TIA Category 6

Cable Component Type Horizontal

Cable Type U/UTP (unshielded)

Conductor Type, singlesSolidConductors, quantity8

Pairs, quantity 4

Separator Type Bisector

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

Dimensions

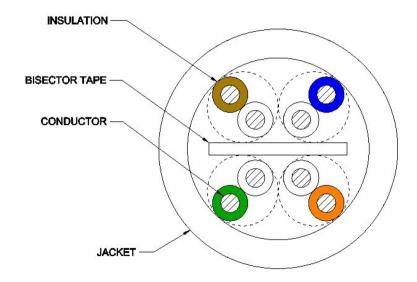
Diameter Over Jacket, nominal5.918 mm | 0.233 inJacket Thickness0.508 mm | 0.02 in

Conductor Gauge, singles 23 AWG

Cross Section Drawing



3071E-4/23



Electrical Specifications

dc Resistance Unbalance, maximum 5 %

dc Resistance, maximum 7.61 ohms/100 m | 2.32 ohms/100 ft

Mutual Capacitance at Frequency 5.6 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP) 69 %

Operating Frequency, maximum 300 MHz
Operating Voltage, maximum 80 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 MaterialBare copperInsulation MaterialPolyolefin

Jacket Material Low Smoke Zero Halogen (LSZH)

Separator Material Polyolefin

Mechanical Specifications

Pulling Tension, maximum 11.34 kg | 25 lb



3071E-4/23

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

Acid Gas Test Method IEC 60754-2

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 37.204 kg/km | 25 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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



MGS400

Base Product



GigaSPEED XL® M-Series Modular Jack, RJ45, Cat6 Unshielded

- Electrical performance guaranteed to meet or exceed the channel specifications to ISO/IEC 11801 Class E and ANSI/TIA-568.2-D Category 6
- Patented crossing of straddling pair contacts enables efficient alien crosstalk reduction in the channel
- Snaps into standard M-series faceplates, surface-mount boxes, consolidation point boxes and modular panels
- Mountable either at 90 degrees (straight) or 45 degrees (angled) in M-series faceplate

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin

America | North America

Portfolio SYSTIMAX®

Product Type Modular jack

Product Brand GigaSPEED XL®

Product Series MGS400

General Specifications

ANSI/TIA Category 6

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

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MGS400

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 Nicke

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

Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Relative HumidityUp 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

