

CPC3312

Base Product



GigaSPEED XL® Cat 6 RJ45 Patch Cord, Non-Plenum

Product Classification

Regional Availability

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

Portfolio

SYSTIMAX®

Product Type

Twisted pair patch cord

Product Brand

GigaSPEED XL®

Product Series

CPC | UTG

Ordering Note

Cords < 1 m are 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 | Cords > 1 m are authorized for use in channels and are an effective standalone method used to connect active devices

General Specifications

ANSI/TIA Category

6

Cable Type

U/UTP (unshielded)

Conductor Type

Stranded

Interface, Connector A

RJ45 plug

Interface Feature, connector A

Standard

Interface, Connector B

RJ45 plug

Interface Feature, connector B

Standard

Jacket Color

Black | Blue | Dark gray | Green | Light blue | Lilac | Orange | Purple | Red | Spring green | Violet | White | Yellow

Pairs, quantity

4

Transmission Standards

ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA

Wiring

T568B

Dimensions

Cable Assembly Length Range (m)

1 – 30

CPC3312

| | |
|---|--------------------|
| Cable Assembly Length Range (ft) | 1 – 100 |
| Cable Assembly Length Range (cm) | 15 – 999 |
| Cable Assembly Length Range (in) | 6 – 999 |
| Diameter Over Jacket | 5.97 mm 0.235 in |
| Compatible Conductor Gauge, stranded | 24 AWG |

Wiring Diagram

| | Connector A | Connector B |
|------------|--------------|--------------|
| Position 1 | White/Orange | White/Orange |
| Position 2 | Orange | Orange |
| Position 3 | Lt. Green | Lt. Green |
| Position 4 | Blue | Blue |
| Position 5 | Lt. Blue | Lt. Blue |
| Position 6 | Green | Green |
| Position 7 | Lt. Brown | Lt. Brown |
| Position 8 | Brown | Brown |

Electrical Specifications

| | |
|-------------------------------|--|
| dc Resistance, maximum | 0.3 ohm |
| Remote Powering | Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3bt (Type 4) and complies with the unmating under electrical load requirements prescribed by IEC 60512-99-002 |
| PoE Durability | Supports IEEE 802.3bt Type 4 (90 W) applications greater than 3000 plug to jack mating cycles |
| Safety Voltage Rating | 300 V |

Ordering Tree

CPC3312

CPC - ⁹ ¹⁰ ¹¹ ¹²

Outlet Color

| | | |
|---|---|----------------|
| 9 | 0 | Not applicable |
| | 1 | Black |
| | 2 | Blue |
| | 3 | Gray |
| | 4 | Green |
| | 5 | Ivory |
| | 6 | Orange |
| | 7 | Red |
| | 8 | White |
| | 9 | Yellow |
| | B | Lilac |

Jacket Color

| | | |
|----|---|--------------|
| 10 | 1 | Black |
| | 2 | Light blue |
| | 3 | Dark gray |
| | 4 | Spring green |
| | 5 | Ivory |
| | 6 | Orange |
| | 7 | Red |
| | 8 | White |
| | 9 | Yellow |
| | B | Lilac |
| | C | Gray |
| | K | Pink |
| | L | Violet |
| | M | Green |
| | Z | Blue |

UOM

| | | |
|----|---|------------|
| 11 | F | Foot |
| | M | Meter |
| | N | Inch |
| | C | Centimeter |

Length

| | |
|----|-----|
| 12 | XXX |
|----|-----|

Notes

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- 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

Material Specifications

| | |
|---------------------------------|------------------------------|
| Contact Plating Material | Precious metals |
| Material Type | Copper alloy Polycarbonate |

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 °C to +60 °C (+14 °F to +140 °F) |
| Environmental Space | Non-plenum |
| Flammability Rating | UL 94 V-0 |
| Safety Standard | Anatel ETL cETL |

Packaging and Weights

| | |
|---------------------------|---|
| Packaging quantity | 1 |
|---------------------------|---|

Regulatory Compliance/Certifications

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