

Base Product



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

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand 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 Red Spring green White Yellow Purple/Violet |
| Pairs, quantity | 4 |

| | |
|-------------------------------|--|
| Transmission Standards | ANSI/TIA-568.2-D ISO/IEC 11801 Class E |
| Wiring | T568B |

Dimensions

| | |
|---|--------------------|
| Cable Assembly Length Range (m) | 1 – 30 |
| 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

| | |
|--------------------------------------|-------------------------------|
| Contact Resistance, maximum | 20 mOhm |
| Current Rating at Temperature | 1.5 A @ 20 °C 1.5 A @ 68 °F |
| dc Resistance, maximum | 0.3 ohm |

| | |
|--|--|
| Dielectric Withstand Voltage, RMS, contact-to-contact | 1,000 Vac @ 60 Hz |
| Insulation Resistance, minimum | 500 MOhm |
| 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

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

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

| | |
|---------------------------------|------------------|
| Conductor Material | Tinned copper |
| Contact Plating Material | Gold over nickel |

Jacket Material Polyvinyl Chloride

Mechanical Specifications

Plug Retention Force, minimum 50 N | 11.24 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)

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