

CPC8312

Base Product

GigaSPEED® 110GS to GS8E 4 Pair Hybrid Patch Cord

This product will be discontinued on: July 1, 2024

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | SYSTIMAX® |
| Product Type | Twisted pair patch cord |
| Product Brand | GigaSPEED® |
| Product Series | CPC |
| 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 | 110 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 Pink Red Spring green White Yellow |
| Pairs, quantity | 4 |
| Transmission Standards | IEEE 802.3bt Type 4 |
| Wiring | T568B |

Dimensions

| | |
|---|---------|
| Cable Assembly Length Range (m) | 1 – 30 |
| Cable Assembly Length Range (ft) | 1 – 100 |

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Diameter Over Jacket 5.97 mm | 0.235 in

Compatible Conductor Gauge, stranded 24 AWG

Wiring Diagram

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

Electrical Specifications

dc Resistance, maximum 0.3 ohm

Ordering Tree

CPC - ⁹ ¹⁰ ¹¹ ¹²

Outlet Color

| | |
|---|----------------|
| 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

| | |
|---|--------------|
| 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

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

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Material Specifications

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

Mechanical Specifications

| | |
|--------------------------------------|------------------|
| Plug Insertion Life, minimum | 200 times |
| Plug Retention Force, minimum | 44 N 9.892 lbf |

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 | 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 |