

# CPC8852

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## Base Product



## 110 to 110 2 Pair Patch Cord, Dark

## Product Classification

### Regional Availability

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

### Portfolio

CommScope®

### Product Type

Twisted pair patch cord

### 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

5e

### Cable Type

U/UTP (unshielded)

### Conductor Type

Stranded

### Interface, Connector A

110 plug

### Interface Feature, connector A

Standard

### Interface, Connector B

110 plug

### Interface Feature, connector B

Standard

### Jacket Color

Dark gray

### Pairs, quantity

2

### Transmission Standards

IEEE 802.3bt Type 4

### Wiring

110

## Dimensions

### Cable Assembly Length Range (m)

1 – 30

### Cable Assembly Length Range (ft)

1 – 100

### Diameter Over Jacket

4.83 mm | 0.19 in

# CPC8852

Compatible Conductor Gauge, stranded

24 AWG

## Wiring Diagram

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

## Electrical Specifications

dc Resistance, maximum

0.3 ohm

## Ordering Tree

CPC     -

### 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

## Material Specifications

# CPC8852

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|                                 |                              |
|---------------------------------|------------------------------|
| <b>Contact Plating Material</b> | Precious metals              |
| <b>Material Type</b>            | Copper alloy   Polycarbonate |

## Mechanical Specifications

|                                      |                 |
|--------------------------------------|-----------------|
| <b>Plug Insertion Life, minimum</b>  | 200 times       |
| <b>Plug Retention Force, minimum</b> | 27 N   6.07 lbf |

## Environmental Specifications

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Operating Temperature</b> | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Environmental Space</b>   | Non-plenum                           |
| <b>Flammability Rating</b>   | UL 94 V-0                            |
| <b>Safety Standard</b>       | ETL   cETL                           |

## Packaging and Weights

|                           |   |
|---------------------------|---|
| <b>Packaging quantity</b> | 1 |
|---------------------------|---|

## Regulatory Compliance/Certifications

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

## Included Products

|                                 |   |  |
|---------------------------------|---|--|
| 848170148<br>1074C DG 2/24 RVAR | – | GigaSPEED XL® 1074C Category 5e U/UTP Cable, non-plenum, dark gray jacket, 2 pair count, variable length, reel |
|---------------------------------|---|--|

# 848170148 | 1074C DG 2/24 RVAR

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GigaSPEED XL® 1074C Category 5e U/UTP Cable, non-plenum, dark gray jacket, 2 pair count, variable length, reel

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | SYSTIMAX®   |
| <b>Product Type</b>          | Twisted pair cable  |
| <b>Product Brand</b>         | GigaSPEED XL®   |

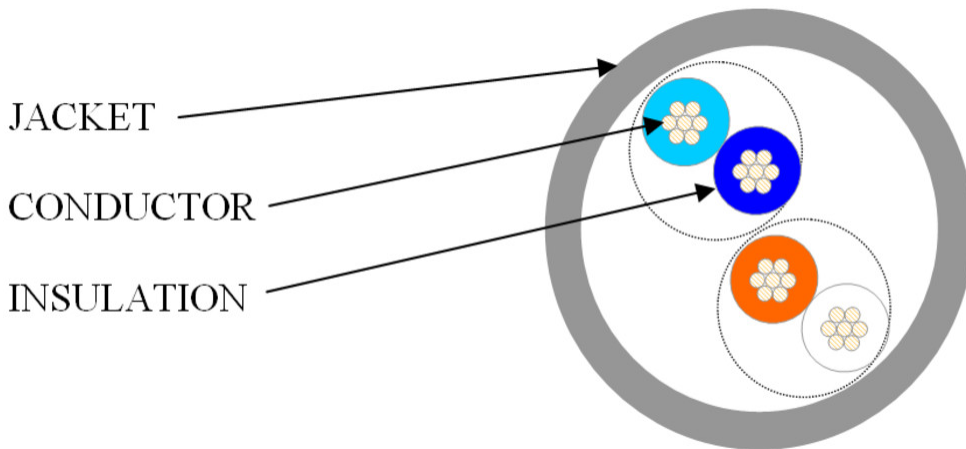
## General Specifications

|                                |   |
|--------------------------------|---|
| <b>Product Number</b>          | 1074C   |
| <b>ANSI/TIA Category</b>       | 5e  |
| <b>Cable Component Type</b>    | Cordage   |
| <b>Cable Type</b>              | U/UTP (unshielded)  |
| <b>Conductor Type, singles</b> | Stranded  |
| <b>Conductors, quantity</b>    | 4   |
| <b>Jacket Color</b>            | Dark gray   |
| <b>Pairs, quantity</b>         | 2   |
| <b>Transmission Standards</b>  | ANSI/TIA-568.2-D   CENELEC EN 50288-3-1   ISO/IEC 11801 Class D |

## Dimensions

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Cable Length, special</b>         | Variable length     |
| <b>Diameter Over Jacket, nominal</b> | 4.826 mm   0.19 in  |
| <b>Jacket Thickness</b>              | 0.559 mm   0.022 in |
| <b>Conductor Gauge, singles</b>      | 24 AWG              |

## Cross Section Drawing



## Electrical Specifications

|  |   |
|--|---|
| <b>dc Resistance Unbalance, maximum</b>      | 5 %   |
| <b>dc Resistance, maximum</b>                | 9.38 ohms/100 m   2.859 ohms/100 ft   |
| <b>Dielectric Strength, minimum</b>          | 1500 Vac   2500 Vdc   |
| <b>Mutual Capacitance at Frequency</b>       | 5.6 nF/100 m @ 1 kHz  |
| <b>Nominal Velocity of Propagation (NVP)</b> | 69 %  |
| <b>Operating Frequency, maximum</b>          | 250 MHz   |
| <b>Operating Voltage, maximum</b>            | 80 V  |
| <b>Remote Powering</b>                       | 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 |
| <b>Safety Voltage Rating</b>                 | 300 V   |

## Material Specifications

|                            |               |
|----------------------------|---------------|
| <b>Conductor Material</b>  | Tinned copper |
| <b>Insulation Material</b> | Polyolefin    |
| <b>Jacket Material</b>     | PVC           |

## Mechanical Specifications

|                                 |                  |
|---------------------------------|------------------|
| <b>Pulling Tension, maximum</b> | 5.443 kg   12 lb |
|---------------------------------|------------------|

## Environmental Specifications

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Installation temperature</b> | 0 °C to +60 °C (+32 °F to +140 °F) |
|---------------------------------|------------------------------------|

# 848170148 | 1074C DG 2/24 RVAR

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**Operating Temperature** -20 °C to +60 °C (-4 °F to +140 °F)

**Environmental Space** Non-plenum

**Flame Test Method** CM

## Packaging and Weights

**Cable weight** 22.174 kg/km | 14.9 lb/kft

**Packaging Type** Reel

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system