

**Product:** [C6D4Z103005M](#) 



CAT6 28AWG Small diameter Copper Patch Cord, UTP, LSZH, Orange, 5 Meter

## Product Description

CAT6 28AWG Small diameter Copper Patch Cord, UTP, LSZH, Orange, 5 Meter

## Technical Specifications

### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Horizontal and building cabling. Support current and future Category 6A, 10GX, Category6 & 5e applications, such as: 10Base-T, 100Base-TX, 1000Base-T and 10G Base-T |
|------------------------|--|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material         | No. of Pairs |
|-----|-----------|------------------|--------------|
| 28  | Stranded  | BC - Bare Copper | 4            |

#### Insulation

| Material          |
|-------------------|
| PE - Polyethylene |

#### Outer Jacket

| Material  | Nominal Diameter |
|---|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 3.8 mm           |

|                |   |
|----------------|---|
| Wiring Scheme: | T568A/B-T568A/B                               |
| Packaging:     | Individually packaged in a clear plastic bag. |

### Connectors

#### Materials

| Description      | Material   | Type     |
|------------------|--|----------|
| Plug             | Polycarbonate  | RJ45     |
| Boot             | Polycarbonate  | Snagless |
| Front Connection | Phosphor bronze plated with 1.27µm gold over 2.54µm nickel undercoat | Blades   |

### Electrical Characteristics

#### Conductor DCR

| Max. Conductor DCR |
|--------------------|
| 236 Ohm/km         |

|                        |                |
|------------------------|----------------|
| Dielectric Strength:   | 750 V AC (RMS) |
| Insulation Resistance: | 5 G ohm*km     |
| Rated Voltage:         | 30 V DC Max.   |

#### Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 100 Ohm                          |

### Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | 0°C To +50°C   |
| Operating Temperature Range:    | -20°C To +75°C |

## Mechanical Characteristics

### Termination Interface

| Termination | Connection       | Durabilities |
|-------------|------------------|--------------|
| RJ45        | Mated Connection | 750 Cycles   |

## Standards

|                     |                              |
|---------------------|------------------------------|
| ISO/IEC Compliance: | ISO/IEC 11801-1, IEC 61156-5 |
| Data Category:      | Category 6A                  |

## Applicable Environmental and Other Programs

|                      |        |
|----------------------|--------|
| Environmental Space: | Indoor |
|----------------------|--------|

## Related Part Numbers

|                |   |
|----------------|---|
| Related Parts: | CAT6A Modular Jacks, CAT6A Patch panels |
|----------------|---|

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.12 Revision Date: 06-07-2022 |
|----------------------|---|

© 2022 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.