



Product: [CAD4ZxyyzzzM](#)

CAT6A 28AWG Small diameter Unshielded Copper Patch Cord, UTP, LSZH

Product Description

CAT6A 28AWG Small diameter Unshielded Copper Patch Cord, UTP, LSZH

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-Tand 10GBase-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) | 4.80 mm |

| | |
|---------------------------|---|
| Overall Nominal Diameter: | 4.80 mm |
| Wiring Scheme: | T568A/B-T568A/B |
| Packaging: | Individually packaged in a clear plastic bag. |

Connectors

| | | |
|------------------|--|----------|
| Materials | | |
| Description | Material | Type |
| Plug | Unshielded 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 VAC (RMS) |
| Current Rating: | 1.5 A |
| Insulation Resistance: | 5 GOhm*km |
| Voltage | |
| Voltage Rating [V] | |
| 30 VDC | |

Temperature Range

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

Mechanical Characteristics

| | |
|---------------------------|------|
| Max. Pull Tension: | 89 N |
| Plug /Jack Compatibility: | RJ45 |

Termination Interface

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

Standards

| | |
|---------------------|-----------------|
| ISO/IEC Compliance: | ISO/IEC 11801-1 |
| Data Category: | Category 6A |
| TIA/EIA Compliance: | TIA-568.2-D |

Applicable Environmental and Other Programs

| | |
|---------------------------------|--------|
| Environmental Space: | Indoor |
| EU Directive 2002/95/EC (RoHS): | Yes |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

| | |
|-------------------------|-----|
| CSA/C(UL) Flammability: | FT2 |
|-------------------------|-----|

Related Part Numbers

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

Variants

| Item # | Color | Length |
|--------------|--------|--------|
| CAD4Z1100D5M | Black | 0.5 m |
| CAD4Z110001M | Black | 1 m |
| CAD4Z110002M | Black | 2 m |
| CAD4Z110003M | Black | 3 m |
| CAD4Z110005M | Black | 5 m |
| CAD4Z1060D5M | Blue | 0.5 m |
| CAD4Z106001M | Blue | 1 m |
| CAD4Z106002M | Blue | 2 m |
| CAD4Z106003M | Blue | 3 m |
| CAD4Z106005M | Blue | 5 m |
| CAD4Z1010D5M | Brown | 0.5 m |
| CAD4Z101001M | Brown | 1 m |
| CAD4Z101002M | Brown | 2 m |
| CAD4Z101003M | Brown | 3 m |
| CAD4Z101005M | Brown | 5 m |
| CAD4Z1050D5M | Green | 0.5 m |
| CAD4Z105001M | Green | 1 m |
| CAD4Z105002M | Green | 2 m |
| CAD4Z105003M | Green | 3 m |
| CAD4Z105005M | Green | 5 m |
| CAD4Z1080D5M | Grey | 0.5 m |
| CAD4Z108001M | Grey | 1 m |
| CAD4Z108002M | Grey | 2 m |
| CAD4Z108003M | Grey | 3 m |
| CAD4Z108005M | Grey | 5 m |
| CAD4Z1030D5M | Orange | 0.5 m |
| CAD4Z103001M | Orange | 1 m |
| CAD4Z103002M | Orange | 2 m |

| | | |
|--------------|--------|-------|
| CAD4Z103003M | Orange | 3 m |
| CAD4Z103005M | Orange | 5 m |
| CAD4Z1070D5M | Purple | 0.5 m |
| CAD4Z107001M | Purple | 1 m |
| CAD4Z107002M | Purple | 2 m |
| CAD4Z107003M | Purple | 3 m |
| CAD4Z107005M | Purple | 5 m |
| CAD4Z1020D5M | Red | 0.5 m |
| CAD4Z102001M | Red | 1 m |
| CAD4Z102002M | Red | 2 m |
| CAD4Z102003M | Red | 3 m |
| CAD4Z102005M | Red | 5 m |
| CAD4Z1090D5M | White | 0.5 m |
| CAD4Z109001M | White | 1 m |
| CAD4Z109002M | White | 2 m |
| CAD4Z109003M | White | 3 m |
| CAD4Z109005M | White | 5 m |
| CAD4Z1040D5M | Yellow | 0.5 m |
| CAD4Z104001M | Yellow | 1 m |
| CAD4Z104002M | Yellow | 2 m |
| CAD4Z104003M | Yellow | 3 m |
| CAD4Z104005M | Yellow | 5 m |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.28 Revision Date: 07-03-2023 |
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