

Product: [CAD4Z102007M](#) 



CAT6A 28AWG F/UTP LSZH Stranded Patch Cord, Red, 7 Meter

Product Description

CAT6A 28AWG F/UTP LSZH Stranded Patch Cord, Red, 7 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) | 4.8 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)

Current Rating: 1.5 A

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 |
| Data Category: | Category 6A |
| ANSI Compliance: | ANSI/TIA/EIA-568-C.2 |

Applicable Environmental and Other Programs

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

Related Part Numbers

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

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.10 Revision Date: 05-05-2022 |
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