



Product: [C6D4Z106007M](#)

CAT6 28AWG Small diameter Copper Patch Cord, UTP, LSZH, Blue, 7 Meter

Product Description

CAT6 28AWG Small diameter Copper Patch Cord, UTP, LSZH, Blue, 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)	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: 0.17 Revision Date: 12-07-2023
----------------------	---

© 2025 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.