



Product: [C6D4CxyzzzM](#)

CAT 6 Shielded Copper Patch Cord, 28 AWG, F/UTP, LSZH



Product Description

CAT 6 Shielded Copper Patch Cord, 28 AWG, F/UTP, LSZH

Technical Specifications

Product Overview

Suitable Applications:	Horizontal and building cabling. Support current and future Category6 & 5e applications, such as: 1000Base-T (Gigabit Ethernet), 10Base-T, 100Base-TX.
------------------------	--

Physical Characteristics (Overall)

Conductor

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

Insulation

Material
PE - Polyethylene

Outer Shield

Drainwire Material
Stranded Tinned Copper

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	Shielded Polycarbonate	RJ45
Boot	Polycarbonate	Snagless
Front Connection	Phosphor bronze plated with 1.27µm gold over 2.54µm nickel undercoat	Blades

Electrical Characteristics

Dielectric Strength:	750 V AC (RMS)
Current Rating:	1.5 A
Insulation Resistance:	5 G ohm*km
Max Contact Resistance:	20 mOhm
Rated Voltage:	120 V DC

Temperature Range

Installation Temperature Range:	0°C To +50°C
---------------------------------	--------------

Operating Temperature Range:	-20°C To +75°C
------------------------------	----------------

Mechanical Characteristics

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 6
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
-----------------------	-----

Related Part Numbers

Related Parts:	CAT6 Modular Jacks, CAT6 Patch Panels
----------------	---------------------------------------

Variants

Item #	Color	Length
C6D4C1100D5M	Black	0.5 m
C6D4C110001M	Black	1 m
C6D4C110002M	Black	2 m
C6D4C110003M	Black	3 m
C6D4C110005M	Black	5 m
C6D4C106001M	Blue	1 m
C6D4C106002M	Blue	2 m
C6D4C106003M	Blue	3 m
C6D4C106005M	Blue	5 m
C6D4C1050D5M	Green	0.5 m
C6D4C105001M	Green	1 m
C6D4C105002M	Green	2 m
C6D4C105003M	Green	3 m
C6D4C105005M	Green	5 m
C6D4C1080D5M	Grey	0.5 m
C6D4C108001M	Grey	1 m
C6D4C108002M	Grey	2 m
C6D4C108003M	Grey	3 m
C6D4C108005M	Grey	5 m
C6D4C103001M	Orange	1 m
C6D4C103002M	Orange	2 m
C6D4C103003M	Orange	3 m
C6D4C103005M	Orange	5 m
C6D4C1070D5M	Purple	0.5 m
C6D4C107001M	Purple	1 m
C6D4C107002M	Purple	2 m
C6D4C107003M	Purple	3 m
C6D4C107005M	Purple	5 m
C6D4C1030D5M	Red	0.5 m
C6D4C102001M	Red	1 m
C6D4C102002M	Red	2 m
C6D4C102003M	Red	3 m
C6D4C102005M	Red	5 m
C6D4C1090D5M	White	0.5 m
C6D4C109001M	White	1 m

C6D4C109002M	White	2 m
C6D4C109003M	White	3 m
C6D4C109005M	White	5 m
C6D4C1040D5M	Yellow	0.5 m
C6D4C104001M	Yellow	1 m
C6D4C104002M	Yellow	2 m
C6D4C104003M	Yellow	3 m
C6D4C104005M	Yellow	5 m

History

Update and Revision:	Revision Number: 0.10 Revision Date: 07-03-2023
----------------------	---

© 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.