



Product: [C6D4Z1xxxxxx](#)



CAT6 28AWG Small diameter Copper Patch Cord, UTP, LSZH

Product Description

CAT6 28AWG Small diameter Copper Patch Cord, UTP, LSZH

Technical Specifications

Product Overview

Suitable Applications:	Horizontal and building cabling. Support current and future Category 6 & 5e applications, such as: 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM.
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Physical Characteristics (Overall)

Conductor

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

Insulation

Material
PO - Polyolefin

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	Snag less
Front Connection	Phosphor bronze plated with 1.27µm gold over 2.54µm nickel undercoat	Blades

Electrical Characteristics

Dielectric Strength:	750 VAC (RMS)
Current Rating:	1.5 A
Insulation Resistance:	5000 mOhm
Max Contact Resistance:	236 mOhm

Voltage

Voltage Rating [V]
30 VAC

Temperature Range

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

Mechanical Characteristics

Max. Pull Tension:	20 lbs
Plug /Jack Compatibility:	RJ45
Termination Type:	RJ45

Termination Interface

Durabilities
750 Cycles

Standards

ISO/IEC Compliance:	IEC 60603-7, IEC 11801
Data Category:	Category 6
TIA/EIA Compliance:	ANSI/TIA-568.2-D

Applicable Environmental and Other Programs

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

Suitability

Suitability - Indoor:	Yes
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Related Part Numbers

Related Parts:	CAT6+ Modular Jacks, CAT6+ Patch Panels
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Variants

Item #	Color	Length
C6D4Z1000D5M	Black	0.5 m
C6D4Z100001M	Black	1 m
C6D4Z100002M	Black	2 m
C6D4Z100003M	Black	3 m
C6D4Z100005M	Black	5 m
C6D4Z100010M	Black	10 m
C6D4Z1060D5M	Blue	0.5 m
C6D4Z106001M	Blue	1 m
C6D4Z106002M	Blue	2 m
C6D4Z106003M	Blue	3 m
C6D4Z106005M	Blue	5 m
C6D4Z106010M	Blue	10 m
C6D4Z1010D5M	Brown	0.5 m
C6D4Z101001M	Brown	1 m
C6D4Z101002M	Brown	2 m
C6D4Z101003M	Brown	3 m
C6D4Z101005M	Brown	5 m
C6D4Z101010M	Brown	10 m
C6D4Z1050D5M	Green	0.5 m
C6D4Z105001M	Green	1 m
C6D4Z105002M	Green	2 m
C6D4Z105003M	Green	3 m
C6D4Z105005M	Green	5 m
C6D4Z105010M	Green	10 m
C6D4Z1080D5M	Grey	0.5 m
C6D4Z108001M	Grey	1 m
C6D4Z108002M	Grey	2 m
C6D4Z108003M	Grey	3 m
C6D4Z108005M	Grey	5 m
C6D4Z108010M	Grey	10 m
C6D4Z1030D5M	Orange	0.5 m
C6D4Z103001M	Orange	1 m
C6D4Z103002M	Orange	2 m
C6D4Z103003M	Orange	3 m

C6D4Z103005M	Orange	5 m
C6D4Z103010M	Orange	10 m
C6D4Z1070D5M	Purple	0.5 m
C6D4Z107001M	Purple	1 m
C6D4Z107002M	Purple	2 m
C6D4Z107003M	Purple	3 m
C6D4Z107005M	Purple	5 m
C6D4Z107010M	Purple	10 m
C6D4Z1020D5M	Red	0.5 m
C6D4Z102001M	Red	1 m
C6D4Z102002M	Red	2 m
C6D4Z102003M	Red	3 m
C6D4Z102005M	Red	5 m
C6D4Z102010M	Red	10 m
C6D4Z1090D5M	White	0.5 m
C6D4Z109001M	White	1 m
C6D4Z109002M	White	2 m
C6D4Z109003M	White	3 m
C6D4Z109005M	White	5 m
C6D4Z109010M	White	10 m
C6D4Z1040D5M	Yellow	0.5 m
C6D4Z104001M	Yellow	1 m
C6D4Z104002M	Yellow	2 m
C6D4Z104003M	Yellow	3 m
C6D4Z104005M	Yellow	5 m
C6D4Z104010M	Yellow	10 m

Product Notes

Notes:	* The 28 AWG stranded conductors provide standards-compliant performance when up to 20.7 ft (6.3 m) of patch cord is used in a standards 296 (90 m) channel.
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History

Update and Revision:	Revision Number: 0.12 Revision Date: 03-27-2024
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