



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
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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

Maximum Recommended Pulling 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
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Flammability, LS0H, Toxicity Testing

CSA/C(UL) Flammability:	FT2
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Related Part Numbers

Related Parts:	CAT6A Modular Jacks, CAT6A Patch Panels
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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

Update and Revision:	Revision Number: 0.32 Revision Date: 08-25-2025
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