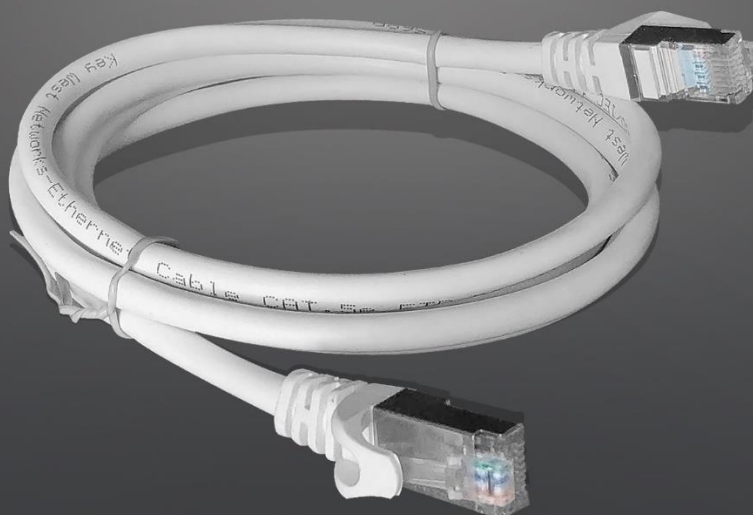


Cat5e UTP Patch Cable

Perfect Cabling Solution

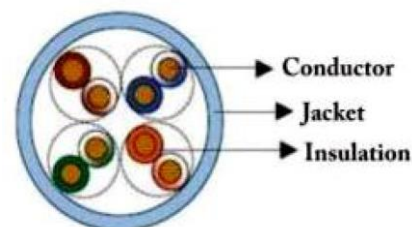


Overview

Cat5e network patch cable is the cost-effective solution for data centre applications. Design for computers, hubs, switches, routers, DSL/cable modems and patch panels in Gigabit datacentre applications. With fast transmission and excellent signal quality, it ensures peak performance through your LAN.

Key Features

- Protected by CM-rated PVC jacket
- Rated for 100MHz communications
- Designed for 1000Base-T Ethernet
- Pass the Fluke Channel Test
- RoHS, CE, WEEE compliancy status
- 24AWG 4-pair precision twisted cable
- RJ45 plugs with 50-micron gold-plated connectors
- A variety of lengths and colours for Cat5e UTP cables



Specifications			Applications		
Product Description: 4P UTP CAT5E 24AWG (PVC+PE) LAN CABLE Reference standard: ANSI/EIA 568C.2 IEC 61156 & ISO/IEC 11801 Rated Temperature: 75 °C Color-coded PE insulation Solid copper PVC+PE jacket			Rated for any 1000Base-T/TX (Gigabit Ethernet), 100Base-T/TX Perfect for data center and SMB applications. Ideal for switches, servers, patch panels, or other equipment.		
Structure	Construction	UTP	Electrical Characteristics	Max. Conductor DC resistance (/ KM) #24: 138	
	Number of pairs	4 Pairs		Min. Insulation resistance (/KM) PE: 100M	
Conductor	AWG	24		Dielectric Strength AC-500V/1 Min no breakdown	
	Material	Solid copper		DC Resistance Unbalance: Max 2%	
	Conductor dimension (mm)	0.50±0.01		Part to ground capacitance unbalance: Max. 33PF / 100M	
	Construction (MM)	7/0.20		Input Impedance: 4-100MHz 100+/-15ohm	
	Stranded Dia. (MM)	0.5		Mean characteristic impedance @100MHz: 100+/-5 OHMS	
	Nom. Thickness (MM)	0.58		Nominal velocity of propagation (NVP) 68+/-2%	
	Outer Dia.(±0.2MM)	5.0		Propagation delay @ 100MHz ≥537.6 ns/100M	
	Jacket	PVC		Propagation delay SKEW:MAX. ≥45ns/100M	
Insulation	Insulation Material	HDPE		Frequency range minimum requirements (Equations)	
	Insulation dimension (mm) (±0.005)	0.98±0.05		Insertion Loss 4-100MHz IEC61156 6: Equation	
	Nom. Thickness (MM)	0.2		Return Loss 4-100MHZ IEC61156-6:	
Colour	1	White-Blue/Blue		Input Impedance 4-100MHZ IEC61156-6:	
	2	White-Orange/Orange		NEXT 4-100MHZ IEC61156-6: Equation (6)	
	3	White-Green/Green		PS ELFEXT 4-100MHZ IEC61156-6: Equation (7)	
	4	White-Brown/Brown			
Filler	Filler material	N/A		Mechanical Characteristics	Outer jacket tensile strength ≥9.7Mpa
Binder	Binder material	Polyester Tape			Outer jacket elongation ≥350%
Shield	Individual shield & material	N/A			Min. bend radius (install) 8 x O.D
	Primary overall shield & material	AL-Foil	Operating temp. range -20°C--+75°C		
	Secondary overall shield & material	CCAM braid	Outer jacket aging condition 100°C x 168hrs		
	Shield coverage	≥45%	After aging, Tensile strength ≥75% of Unaging		
	Drain wire	0.4mm Solid Tinned copper	After aging, Elongation ≥50% of Unaging		
Inner Jacket	Inner jacket material	PVC	Cold bend No crack (@-20°Cx4hrs)		
	Inner jacket thickness(mm)	0.8	Insulation shrink back: 121°C		
	Overall nominal dimension(mm)	6.6	Hot impact NO Crack(@150°Cx4hrs)		
Binder	Binder material	Aluminium Tape	Jacket cold bend: -20°C		
Outer jacket	Outer jacket material Outer jacket nominal thickness(mm) Overall dimension (mm) Outer jacket color Outer jacket rip cord	PE 0.6 8.2±0.3 White YES			