

Cable assembly UTP CAT5E

Features:

- 4AWG 4x2 solid bare copper
- White colour cable
- RoHS compliant
- Used for 10/100Base-TX and 1000Base-TX (Gigabit internet)
- 305 meter roll box

Description

CAT-5E is completely backward compatible with current Category-5 equipment, Category 5E will operate up to 350 MHz instead of 100 MHz of standard CAT-5 cables. The enhanced electrical performance of CAT-5E ensures that the cable will support applications that require additional bandwidth.

For applications such as Gigabit Ethernet or analog video over CAT-5 cables you should certainly consider using CAT-5E over CAT-5 cable.

All aspects of performance are enhanced such as: capacitance, frequency range, resistance, attenuation, impedance etc. The maximum data rate of this cable is 100Mbps. Usual applications are 100 Mbps TPDDI, 155 Mbps ATM and Gigabit Ethernet. The category 5E cable is part of ANSI/EIA Standard 568. Produced to meet standards: EIA/TIA 568A-5 & ISO 11801 to Category 5E

Specifications

V1 nov 17, 2010

	Port	Range	Min	Typical	Max	Units	Remark	Margin
Cable Length Cable				305		m		
	Outer diameter			5.2		mm		
	Sheath material			PVC				
	Conductor material			24AWG solid bare copper				
	Conductor diameter			0.92		mm		
	Bend radius		4xOD					
Colour	Temperature rating			+ 75		°C		
RoHs Compliant				White				
				Yes				

Ordering Information

UTP CAT5E	Cable assembly	Article number:	10088018
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	Port	Range	Min	Typical	Max	Units	Remark	Margin
Conductor Resistance	At 20 °C				9.38	Ohm/100m		
Mutual capacitance					5.6	nF/m		
Impedance			500	100 +/- 15%		Ohm		
Spark test	300 VDC/0.01S				2.5	KV		
Skew at 1 MHz-100 MHz				45		ns/m		
DC resistance unbalance	Pair-to-ground			5%				
Capacitance unbalance					330	pF/100M		
Data rate					100	Mbps		