Cable assembly
UTP CAT5E

- **24AWG 4x2 solid bare copper**

- **White color cable**

- **RoHS compliant**

- **Used for 10/100Base-TX and 1000Base-TX (Gigabit Internet)**

- **305 meter roll box**

Overview

Technetix' 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 100 Mbps. 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 and ISO 11801 to Category 5E.

UTP CAT5E device and performance specifications

Parameter	Port	Specifications			Units
		Min.	Typ.	Max.	
Cable length			305		m
Cable	Outer diameter		5.2		mm
	Sheath material		PVC		
	Conductor material		24AWG solid bare copper		
	Conductor diameter		0.92		mm
	Bend radius	4xOD			
	Temperature rating		+75°C (+167°F)		°C/°F
Color			White		
RoHS compliant			Yes		
Conductor resistance	At +20°C (+68°F)			9.38	Ω/100m
Mutual capacitance				5.6	nF/m
Impedance		500	100 ±15%		Ω
Spark test	300 VDC/0.01S			2.5	KV
Skew at 1-100 MHz			45		ns/m
DC resistance unbalance	Pair-to-ground		5		%
Capacitance unbalance				330	pF/100M
Data rate				100	Mbps

Order information

Item code	Description
10088018	UTP CAT5E WHT M MARKED CABLE 305 M BOX (CLASS Eca)