

# CAT6 HIGH GRADE 550MHz

## PLENUM RATED (SPLINE-LESS)

### TAA COMPLIANT

Cat5eCableGuy.Com

## DESCRIPTION

Category-6, 23AWG, UTP, 8C Solid Bare Copper, 550MHz, CMP Rated.

## FEATURES

- \* High-Performance Data Cable
- \* Suitable for High-Speed Data Applications, Gigabit Ethernet, Fast Ethernet
- \* Easily Identified Color-Striped Pairs
- \* Unshielded Twisted Pair (UTP) Cable
- \* 23AWG Solid Bare Copper Conductors
- \* Exceeds ANSI/TIA 568-C.2
- \* Excellent Attenuation and Crosstalk
- \* TAA Compliant
- \* UL listed, 1000ft Pull Box



Dimensions 18H x 17.5L x 9W (inches)  
45pcs per pallet  
(Packaging may vary)

## Construction

Conductor	Solid Bare Copper
AWG	23
Insulation	FEP
Thickness	0.22mm
Jacket	FR-PVC
Outer Diameter	5.3mm
Separator (Divider)	No (Spline-less)
Rip Cord	Yes

## Color of Pairs

Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown

## Electrical Characteristics

ANSI/TIA 568-C.2

Impedance:  $100\Omega \pm 15\%$

## Standards

ANSI/TIA-568-C.2 Category 6

with the applicable electrical transmission characteristics

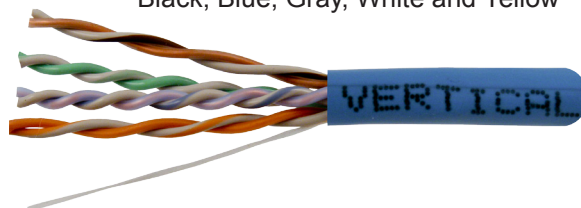
## Applications

High Speed Horizontal Cabling

100 Mbps TPDDI, 1000 Base T, 622 Mbps ATM

IEEE802.3/IEEE802.5, Gigabit Ethernet

Jacket color available in  
Black, Blue, Gray, White and Yellow



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Rev. 05/2012

Subject to change without notice.

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## PERFORMANCE



**Cable ID: CAT6 NS 01**

**Test Summary: PASS**

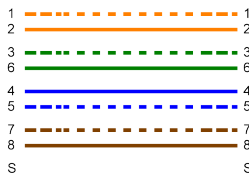
Date / Time: 04/20/2012 08:45:19am  
Headroom: 3.7 dB (NEXT 36-45)  
Test Limit: 10GBASE-T  
Cable Type: Cat 6 UTP

Operator: Your Name  
Software Version: 2.5200  
Limits Version: 1.7000  
NVP: 69.0%

Model: DTX-1800  
Main S/N: 1279007  
Remote S/N: 1279008  
Main Adapter: DTX-CHA002  
Remote Adapter: DTX-CHA002

Wire Map (T568B)

**PASS**

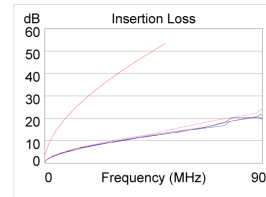


96 ft

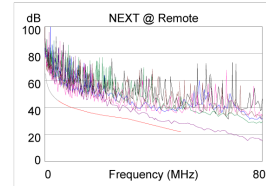
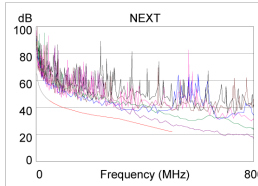


Length (ft) [Pair 45] 96  
Prop. Delay (ns), Limit 555 152  
Delay Skew (ns), Limit 50 11  
Resistance (ohms) [Pair 36] 5.2

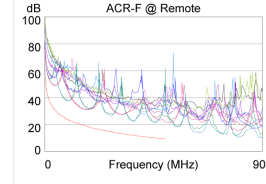
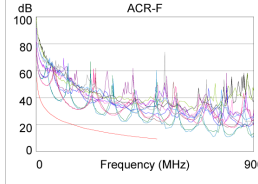
Insertion Loss Margin (dB) [Pair 36] 38.7  
Frequency (MHz) [Pair 36] 498.0  
Limit (dB) [Pair 36] 53.3



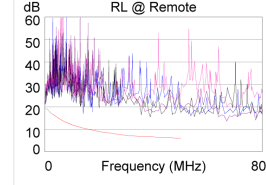
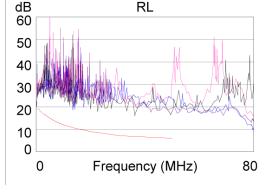
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	3.7	4.0	4.4	4.6
Freq. (MHz)	386.0	371.0	499.0	495.0
Limit (dB)	27.6	28.5	22.0	22.2
Worst Pair	36	45	36	36
<b>PS NEXT (dB)</b>	4.9	5.0	5.0	5.8
Freq. (MHz)	350.0	426.0	499.0	495.0
Limit (dB)	26.9	23.3	20.5	20.6



	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
<b>ACR-F (dB)</b>	9.6	10.1	10.5	10.5
Freq. (MHz)	356.0	370.0	455.0	455.0
Limit (dB)	12.2	11.9	10.1	10.1
Worst Pair	36	45	36	36
<b>PS ACR-F (dB)</b>	11.7	12.1	11.7	12.5
Freq. (MHz)	455.0	356.0	455.0	455.0
Limit (dB)	7.1	9.2	7.1	7.1



	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	45
<b>RL (dB)</b>	7.7	6.2	9.6	9.4
Freq. (MHz)	135.0	142.5	363.0	389.0
Limit (dB)	10.7	10.5	6.4	6.1



Compliant Network Standards:

10GBASE-T  
1000BASE-T  
ATM-51  
TR-4

100BASE-TX  
10GBASE-T  
ATM-155  
TR-16 Active

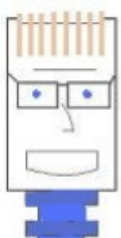
100BASE-T4  
ATM-25  
100VG-AnyLan  
TR-16 Passive

LinkWare Version: 6.2

Project: DEFAULT  
Site: Client Name

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networks.

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