

CAT6 PLENUM 550MHz MADE IN USA

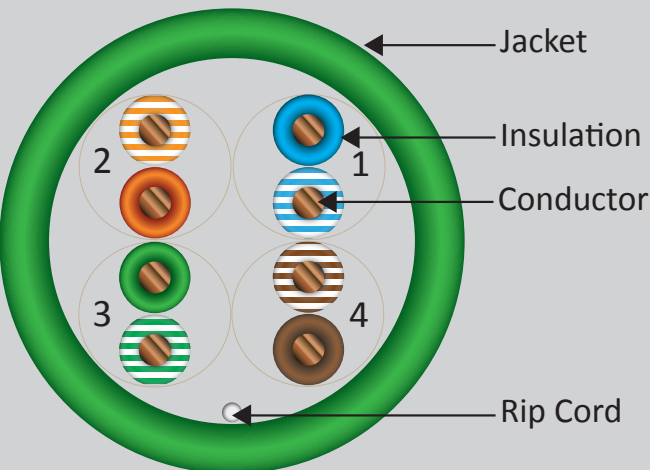


DESCRIPTION

Category-6, CMP Rated, **MADE IN USA**, 23AWG, UTP, 8C Solid Bare Copper, 550MHz, 1000ft.

FEATURES

- High-Performance Category-6 Data Cable
- 550Mhz Bandwith for Data Applications
- Unshielded Twisted Pair (UTP) Cable
- 23AWG Solid Bare Copper Conductors
- Easily Identified Color-Striped Pairs
- CMP Rated (Plenum)
- ETL Listed, TIA/EIA568-C.2
- 1000ft Pull Box
- **MADE IN USA**



SKU: 166 Series

Conductor	23AWG Solid Bare Copper
Diameter (mm)	0.573
Number	8
Insulation	FEP
Thickness (mm)	0.203
Color of Pairs	
Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown
Jacket	FR-PVC
Outer Diameter (mm)	5.334
Rip Cord	Yes

Jacket Print:
VERTICAL CABLE 4010346 CAT6 CMP 23 AWG 4PR UTP 75C TESTED TO 550 MHz ETL VERIFIED TO TIA-568C.2 MADE IN USA [PO#] ROHS COMPLIANT XXXXFT

Electrical & Enviornental Properties

Compliance:	
c(ETL)us, TIA/EIA568-C.2	
Operating Temperature	-20°C to 75°C
Operating Voltage Rating (V RMS)	300
DC Resistance per Conductor @20°C (Ω/km)	93.8
Mutual Capacitance (nF/100m Max)	5.6
Resistance Unbalance Max (%)	5
Capacitance Unbalance Max (pF/100m)	330
Nominal Impedance (±15%)(Ω)	100
Weight (lb/1000ft)	30
Max Recommended Pull Tension (lb)	25
Min Bend Radius (in)	0.75

Applications

ANSI X3T9.5 TP-PMD (FDDI), ATM PMD 155 Mbps IEEE 802.3 Fast Ethernet :10 Base-T, 100 Base-T4, 100 Base-X IEEE 802.5 :4/16 Mbps Token Ring, IEEE 802.12 :100 Base-VG

Jacket Colors Available: Blue, Green, Gray, Orange, Pink, Purple, Red, White, Yellow



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York

www.verticalcable.com

Rev. 11/2015

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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PERFORMANCE

Frequency MHz	Return Loss dB	Attenuation dB/100m	NEXT dB	PSNEXT dB	FEXT dB/100m	PSELFEXT dB/100m
1.00	21.00	2.0	74.30	72.30	67.8	64.8
4.00	23.4	3.8	65.27	63.27	55.7	52.7
8.00	24.6	5.4	60.75	58.75	49.7	46.7
10.00	25.0	6.0	59.30	57.30	47.8	44.8
16.00	25.0	7.7	56.24	54.24	43.7	40.7
20.00	25.0	8.6	54.78	52.78	41.7	38.7
25.00	24.3	9.6	53.33	51.33	38.8	36.8
31.25	23.6	10.8	51.88	49.88	37.9	34.9
62.50	21.5	15.7	47.36	45.36	31.8	28.8
100.00	20.1	20.2	44.30	42.30	27.8	24.8
200.00	18.0	29.8	39.78	37.78	21.7	18.7
250.00	17.3	33.8	38.33	36.33	19.8	16.8
300.00	16.8	34.9	37.10	35.10	18.3	15.3
350.00	16.3	36.3	36.10	34.10	16.9	13.9
400.00	15.9	39.6	35.30	33.30	15.8	12.8
500.00	15.2	45.4	33.30	31.80	13.8	10.8
550.00	14.9	48.3	33.20	31.20	13.0	10.0



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Cable ID: Vertical Cable Data Sheet

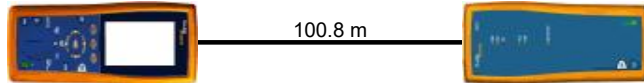
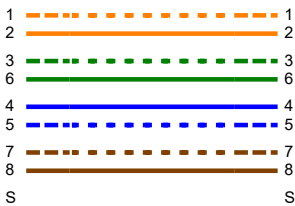
Test Summary: **PASS**

Date / Time: 08/03/2015 07:31:21
Headroom: 7.1 dB (NEXT 12-36)
Test Limit: TIA C6Cable 100m (LA)
 Cable Type: Cat 6 U/UTP
 Calibration Date: 04/06/2010

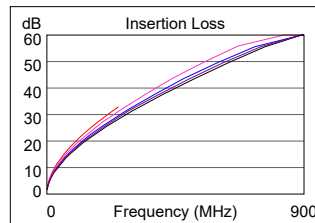
Operator: QC
 Software Version: 2.7700
 Limits Version: 1.9400
 NVP: 72.0%

Model: DTX-1800
 Main S/N: 1279007
 Remote S/N: 1279008
 Main Adapter: DTX-LAB7
 Remote Adapter: DTX-LAB7

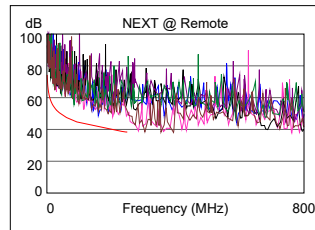
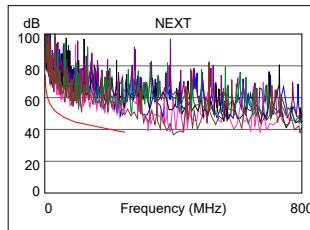
Wire Map (T568B)
PASS



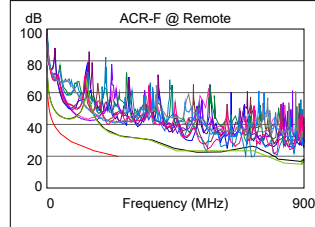
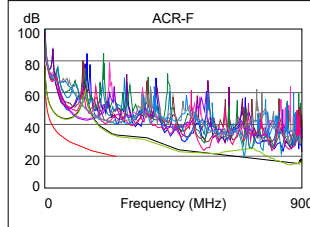
Length (m), Limit 100.0	[Pair 45]	100.8
Prop. Delay (ns), Limit 555		497
Delay Skew (ns), Limit 50		30
Resistance (ohms)	[Pair 36]	13.7
Insertion Loss Margin (dB)	[Pair 36]	1.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	32.8



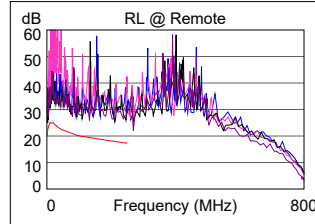
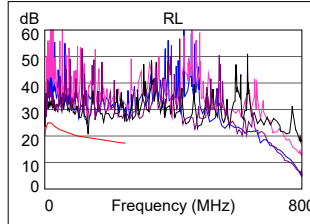
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45-78	12-36	45-78	12-45
NEXT (dB)	7.4	7.1	8.9	8.9
Freq. (MHz)	62.0	161.0	247.5	250.0
Limit (dB)	47.4	41.2	38.4	38.3
Worst Pair	45	36	45	12
PS NEXT (dB)	8.5	7.5	9.3	8.8
Freq. (MHz)	87.5	161.0	247.5	204.5
Limit (dB)	43.2	39.2	36.4	37.6



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78-12	78-12	78-12	78-12
ACR-F (dB)	9.2	9.2	12.8	12.9
Freq. (MHz)	3.3	3.3	250.0	248.0
Limit (dB)	57.6	57.6	19.8	19.9
Worst Pair	12	12	12	78
PS ACR-F (dB)	12.0	12.1	15.4	15.1
Freq. (MHz)	4.8	5.4	250.0	250.0
Limit (dB)	51.3	50.2	16.8	16.8



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45	45	45	78
RL (dB)	1.5	3.0	1.5	4.6
Freq. (MHz)	135.0	3.6	135.0	134.0
Limit (dB)	19.2	22.8	19.2	19.2



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