

CAT6 PLENUM 550MHz

MADE IN USA

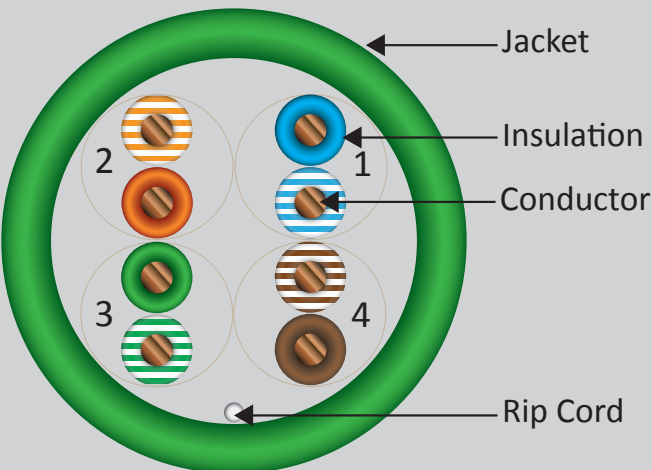


DESCRIPTION

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

FEATURES

- High-Performance Category-6 Data Cable
- 550Mhz Bandwidth 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

Technical Data

NVP 72%

Conductor

Diameter (mm) 23AWG Solid Bare Copper
Number 0.573
8

Insulation

Thickness (mm)

Color of Pairs

Pair 1

Pair 2

Pair 3

Pair 4

FEP

0.203

Blue, White-Blue

Orange, White-Orange

Green, White-Green

Brown, White-Brown

Jacket

Outer Diameter (mm)

Rip Cord

FR-PVC

5.334

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 & Environmental Properties

Compliance:

c(ETL)us, TIA/EIA568-C.2

Safety Listing Standard

Operating Temperature

Operating Voltage Rating (V RMS)

DC Resistance per Conductor @20°C (Ω/km)

Mutual Capacitance (nF/100m Max)

Resistance Unbalance Max (%)

Capacitance Unbalance Max (pF/100m)

Nominal Impedance (±15%)(Ω)

Weight (lb/1000ft)

Max Recommended Pull Tension (lb)

Min Bend Radius (in)

UL 444

-20°C to 75°C

300

93.8

5.6

5

330

100

30

25

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

MADE IN USA



VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York

www.verticalcable.com

Rev. 9/2016

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**

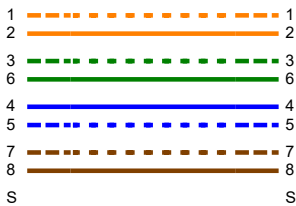
Date / Time: 08/03/2015 07:31:21
Headroom: 7.1 dB (NEXT 12-36)
Test Limit: TIA C6Cable 100m (LA)
Cable Type: Cat 6 U/UTP
Calibration Date: 04/06/2010

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

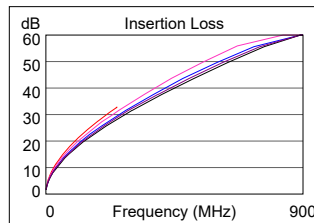


100.8 m



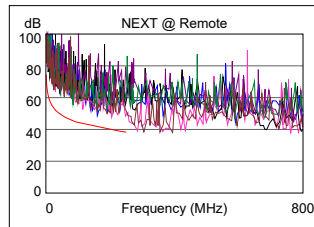
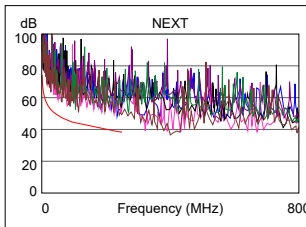
Length (m), Limit 100.0 [Pair 45] 100.8
Prop. Delay (ns), Limit 555 497
Delay Skew (ns), Limit 50 30
Resistance (ohms) [Pair 36] 13.7

Insertion Loss Margin (dB) [Pair 36] 1.6
Frequency (MHz) [Pair 36] 250.0
Limit (dB) [Pair 36] 32.8

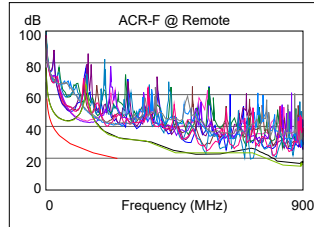
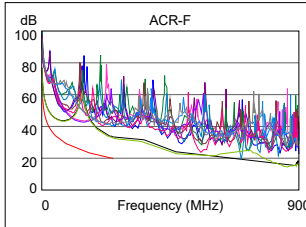


Worst Case Margin Worst Case Value

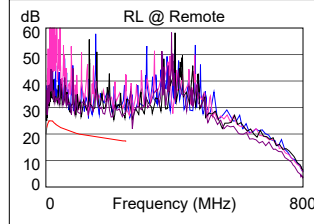
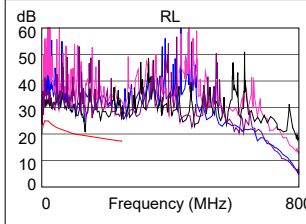
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	12-45
NEXT (dB)	7.4	7.1	8.9	8.9
Freq. (MHz)	62.0	161.0	247.5	250.0
Limit (dB)	47.4	41.2	38.4	38.3
Worst Pair	45	36	45	12
PS NEXT (dB)	8.5	7.5	9.3	8.8
Freq. (MHz)	87.5	161.0	247.5	204.5
Limit (dB)	43.2	39.2	36.4	37.6



PASS	MAIN	SR	MAIN	SR
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



PASS	MAIN	SR	MAIN	SR
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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LinkWare Version 6.0

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