

# CAT5E PLENUM 350MHz MADE IN USA

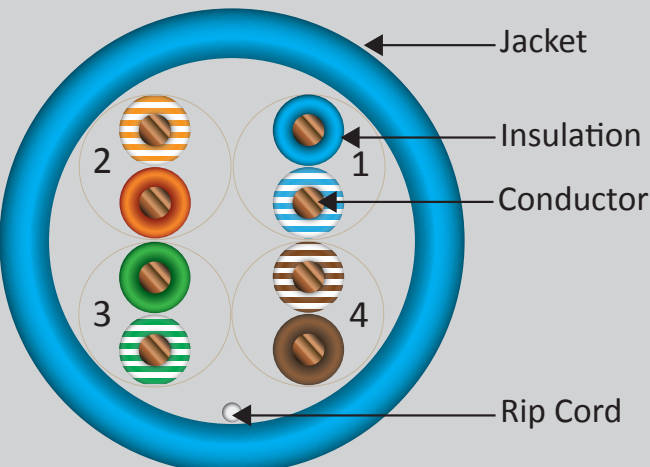


## DESCRIPTION

Category-5E, CMP Rated, MADE IN USA, 24AWG, UTP, 8C Solid Bare Copper, 350MHz, 1000ft.

## FEATURES

- High-Performance Category-5E Data Cable
- 350Mhz Bandwith for Data Applications
- Unshielded Twisted Pair (UTP) Cable
- 24AWG 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: 156 Series

### Technical Data

NVP 72%  
**Conductor** 24AWG Solid Bare Copper  
 Number 8

### Insulation

Thickness (mm) 0.1905  
 Color of Pairs  
 Pair 1 Blue, White-Blue  
 Pair 2 Orange, White-Orange  
 Pair 3 Green, White-Green  
 Pair 4 Brown, White-Brown

### Jacket

Outer Diameter (mm) 4.69  
 Rip Cord Yes  
 Jacket Print:  
 VERTICAL CABLE 4010346 CAT5E CMP 24 AWG 4PR UTP 75C TESTED TO 350 MHz ETL VERIFIED TO TIA-568C.2 MADE IN USAROHS COMPLIANT XXXFT

### FR-PVC

### 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/100m) 9.38  
 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) 21  
 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](http://www.verticalcable.com)  
 Rev. 08/2015

Specs subject to change without notice.  
 It is the sole responsibility of the user to have the most current specs.

# CAT5E PLENUM 350MHz MADE IN USA

## PERFORMANCE

Frequency (MHz)	Attenuation Min. dB/100m	Return Loss Min. dB/100m	NEXT Min. dB/100m
1	2.0	20.0	65.3
4	4.1	23.0	56.3
8	5.8	24.5	51.8
10	6.5	25.0	50.3
16	8.2	25.0	47.2
20	9.3	25.0	45.8
25	10.4	24.3	44.3
31.25	11.7	23.6	42.9
62.5	17.0	21.5	38.4
100	22.0	20.1	35.3
155	28.1	18.8	32.4
200	32.4	18.0	30.8
250	36.9	17.3	29.3
300	41.0	16.8	28.1
350	44.9	16.3	27.1

Frequency (MHz)	P.S NEXT Min. dB/100m	ACRF Min. dB/100m	P.S ELNEXT Min. dB/100m
1	62.3	63.8	60.8
4	53.3	51.7	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8
155	29.4	20.0	17.0
200	27.8	17.8	14.8
250	26.3	15.8	12.8
300	25.1	14.3	11.3
350	24.1	12.9	9.9



## VERTICAL CABLE

951.696.7772 California  
800.749.2447 Florida  
845.391.8318 New York

[www.verticalcable.com](http://www.verticalcable.com)  
Rev. 08/2015

Specs subject to change without notice.  
It is the sole responsibility of the user to have the most current specs.

# CAT5E PLENUM 350MHz MADE IN USA



## Cable ID: CAT 5E FL SHIPMNT T1

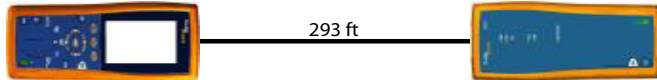
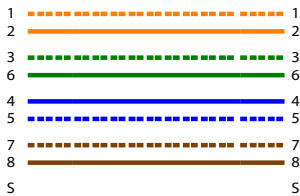
## Test Summary: PASS

Date / Time: 12/12/2014 08:55:47am  
**Headroom: 8.2 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: Cat 5e UTP

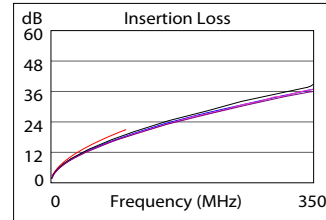
Operator: TCI  
 Software Version: 2.7400  
 Limits Version: 1.9300  
 NVP: 72.0%

Model: DTX-1800  
 Main S/N: 1279007  
 Remote S/N: 1279008  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

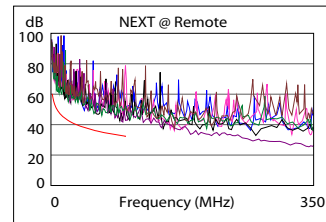
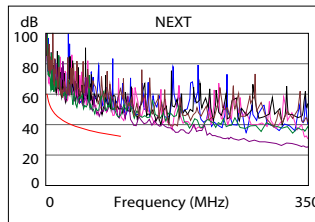
Wire Map (T568B)  
**PASS**



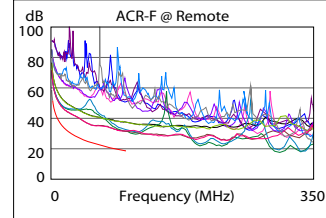
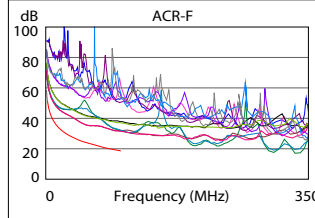
Length (ft), Limit 295	[Pair 36]	293
Prop. Delay (ns), Limit 498		424
Delay Skew (ns), Limit 44		10
Resistance (ohms)	[Pair 12]	15.8
Insertion Loss Margin (dB)	[Pair 45]	1.9
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



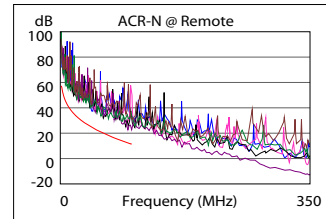
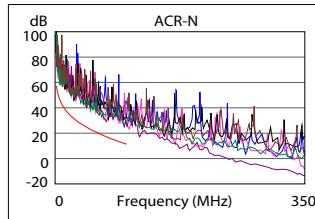
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	10.2	8.2	11.3	8.2
Freq. (MHz)	71.8	95.3	97.3	95.3
Limit (dB)	34.7	32.7	32.5	32.7
Worst Pair	45	45	36	45
<b>PS NEXT (dB)</b>	11.1	10.5	12.0	10.5
Freq. (MHz)	68.8	95.3	96.8	95.3
Limit (dB)	32.0	29.7	29.5	29.7



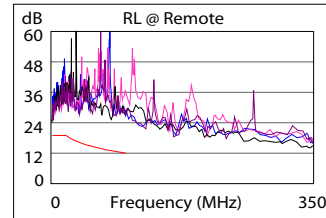
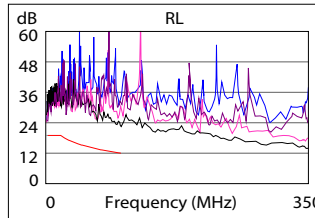
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-78	36-78	78-36	36-45
<b>ACR-F (dB)</b>	11.6	11.6	12.6	12.7
Freq. (MHz)	52.8	53.5	100.0	99.8
Limit (dB)	24.2	24.0	18.6	18.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	12.4	12.2	13.0	12.9
Freq. (MHz)	6.9	11.9	99.5	97.0
Limit (dB)	38.9	34.1	15.7	15.9



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>N/A</b>				
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	11.8	10.1	13.2	10.1
Freq. (MHz)	71.8	95.0	97.3	95.3
Limit (dB)	17.2	12.3	11.8	12.2
Worst Pair	45	45	36	45
<b>PS ACR-N (dB)</b>	12.6	12.4	14.7	12.4
Freq. (MHz)	68.8	95.3	96.8	95.3
Limit (dB)	14.9	9.2	8.9	9.2



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	78	78	45	45
<b>RL (dB)</b>	7.6	7.6	10.5	12.0
Freq. (MHz)	3.9	3.9	100.0	80.5
Limit (dB)	19.0	19.0	12.0	13.0



Compliant Network Standards:  
 10BASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T      ATM-25      ATM-51  
 ATM-155      100VG-AnyLan      TR-4  
 TR-16 Active      TR-16 Passive



LinkWare Version 6.0

## VERTICAL CABLE

951.696.7772 California  
 800.749.2447 Florida  
 845.391.8318 New York



www.verticalcable.com  
 Rev. 08/2015

Specs subject to change without notice.  
 It is the sole responsibility of the user to have the most current specs.