

CAT5E PLENUM 350MHz

MADE IN USA

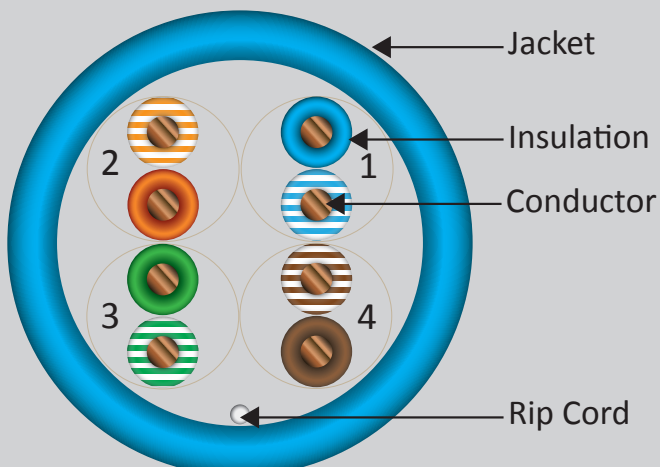


DESCRIPTION

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

FEATURES

- High-Performance Category-5E Data Cable
- 350Mhz Bandwidth 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)
Color of Pairs

Pair 1
Pair 2
Pair 3
Pair 4

FEP

0.1905

Blue, White-Blue
Orange, White-Orange
Green, White-Green
Brown, White-Brown

Jacket

Outer Diameter (mm)
Rip Cord

FR-PVC

4.69
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 COMPLI-
ANT XXXXFT

Electrical & Environmental 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 Eth-
ernet :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

MADE IN USA



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.

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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

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Cable ID: CAT 5E FL SHIPMNT T1

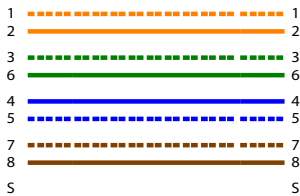
Date / Time: 12/12/2014 08:55:47am
Headroom: 8.2 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Perm. Link
Cable Type: Cat 5e UTP

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

Test Summary: PASS

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

Wire Map (T568B) PASS

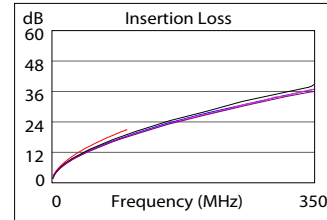


293 ft

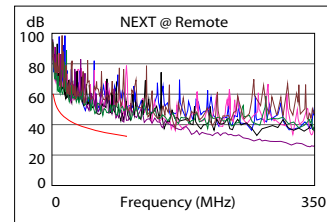
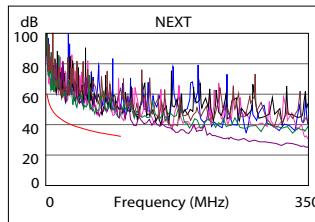


Length (ft), Limit 295 [Pair 36] 293
Prop. Delay (ns), Limit 498 424
Delay Skew (ns), Limit 44 10
Resistance (ohms) [Pair 12] 15.8

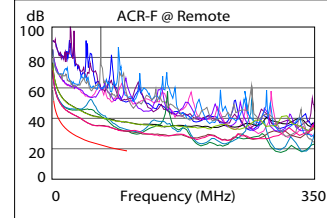
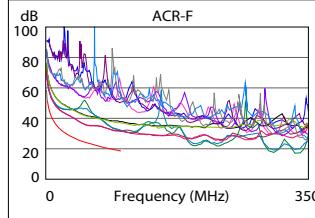
Insertion Loss Margin (dB) [Pair 45] 1.9
Frequency (MHz) [Pair 45] 100.0
Limit (dB) [Pair 45] 21.0



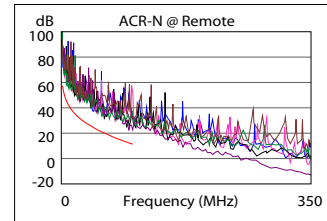
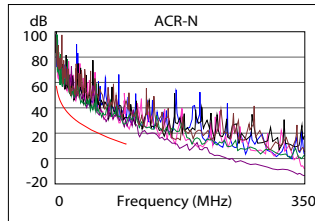
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	10.2	8.2	11.3	8.2
Freq. (MHz)	71.8	95.3	97.3	95.3
Limit (dB)	34.7	32.7	32.5	32.7
Worst Pair	45	45	36	45
PS NEXT (dB)	11.1	10.5	12.0	10.5
Freq. (MHz)	68.8	95.3	96.8	95.3
Limit (dB)	32.0	29.7	29.5	29.7



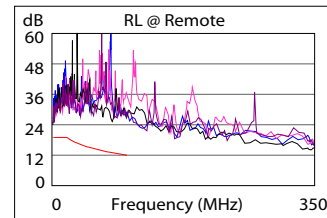
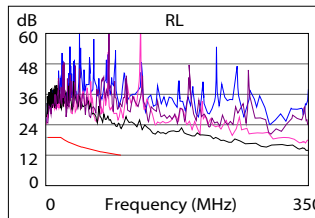
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	78-36	36-45
ACR-F (dB)	11.6	11.6	12.6	12.7
Freq. (MHz)	52.8	53.5	100.0	99.8
Limit (dB)	24.2	24.0	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.4	12.2	13.0	12.9
Freq. (MHz)	6.9	11.9	99.5	97.0
Limit (dB)	38.9	34.1	15.7	15.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	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
PS ACR-N (dB)	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



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	45
RL (dB)	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

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LinkWare Version 6.0

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