

CAT5E PLENUM 350MHz MADE IN THE USA

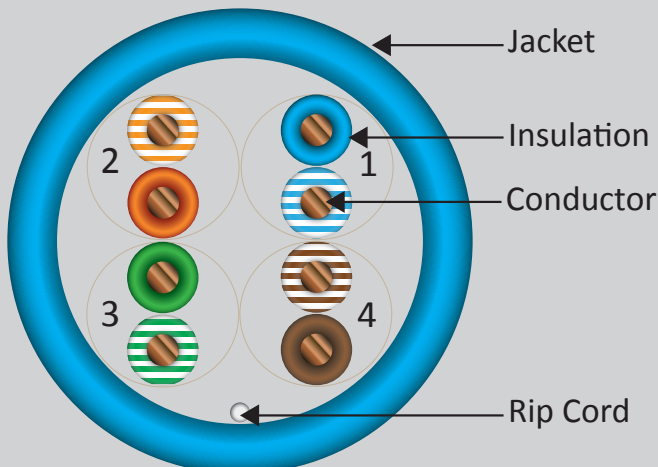


DESCRIPTION

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
- Available in 500FT & 1000FT Pull Box
- MADE IN USA



SKU: 156 Series

Technical Data

NVP 72%
Conductor 24AWG Solid Bare Copper
 Number 8 (4 Pair)

Insulation

Thicknes 0.0075" (0.190 mm)
 Color of Pairs
 Pair 1 Blue, White-Blue
 Pair 2 Orange, White-Orange
 Pair 3 Green, White-Green
 Pair 4 Brown, White-Brown

FEP

0.0075" (0.190 mm)

Jacket

Outer Diameter (mm) 0.185" Nom. (4.70 mm)
 Rip Cord Yes

FR-PVC

0.185" Nom. (4.70 mm)
 Yes

Jacket Print:
 VERTICAL CABLE 4010346 CAT5E CMP 24 AWG 4PR UTP 75C TESTED TO 350 MHz c(ETL)us VERIFIED TO TIA-568C.2 MADE IN USAROHS 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/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 (check availability): Black, Blue, Green, Gray, Orange, Pink, Purple, Red, White, Yellow (10 colors)



VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York

www.verticalcable.com

Rev. 08/2019

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: C5 BL 11410 RL5 T2

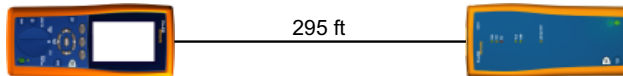
Date / Time: 06/14/2019 07:14:32 AM
Headroom 7.4 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 72.0%

Operator: TCI
 Software Version: 2.7800
 Limits Version: 1.9500
 Calibration Date:
 Main (Tester): 04/06/2010
 Remote (Tester): 04/06/2010

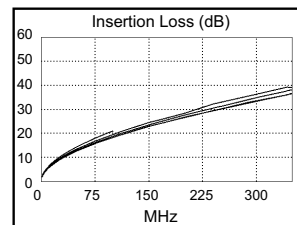
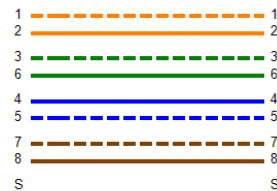
Test Summary: PASS

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

Length (ft), Limit 295	[Pair 12]	295
Prop. Delay (ns), Limit 498	[Pair 45]	428
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 45]	17.1
Insertion Loss Margin (dB)	[Pair 45]	1.5
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0

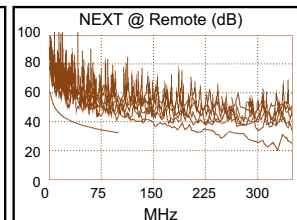
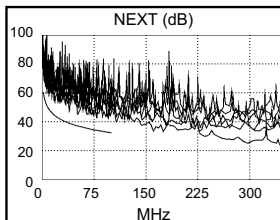


Wire Map (T568B)
PASS

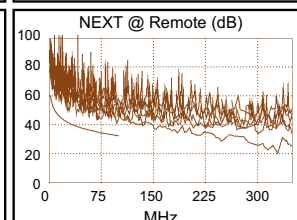
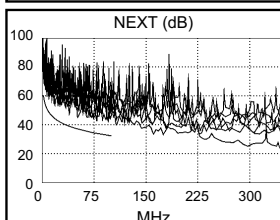


Worst Case Margin Worst Case Value

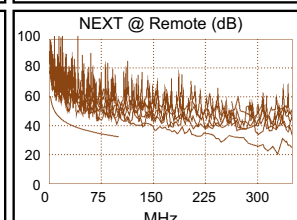
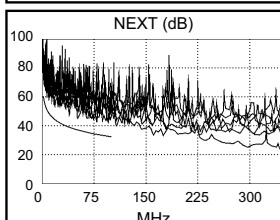
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-45	12-45
NEXT (dB)	7.4	8.3	9.5	8.4
Freq. (MHz)	51.3	74.8	95.0	97.5
Limit (dB)	37.1	34.4	32.7	32.5
Worst Pair	36	36	45	45
PS NEXT (dB)	9.7	8.9	10.0	10.1
Freq. (MHz)	52.0	70.0	95.0	97.5
Limit (dB)	34.0	31.8	29.7	29.5



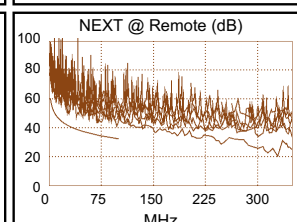
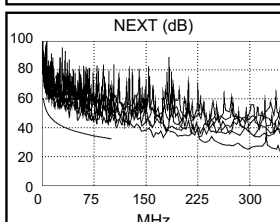
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	45-36
ACR-F (dB)	15.6	15.7	15.6	16.3
Freq. (MHz)	96.0	3.8	96.5	96.5
Limit (dB)	19.0	47.1	18.9	18.9
Worst Pair	45	45	45	36
PS ACR-F (dB)	14.6	14.7	18.2	17.1
Freq. (MHz)	2.1	1.0	100.0	96.5
Limit (dB)	49.1	55.6	15.6	15.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	12-45
ACR-N (dB)	9.1	9.4	10.9	9.8
Freq. (MHz)	51.3	28.1	95.0	97.5
Limit (dB)	22.5	30.7	12.3	11.8
Worst Pair	36	36	45	45
PS ACR-N (dB)	10.4	10.5	11.4	11.5
Freq. (MHz)	9.5	70.0	95.0	97.5
Limit (dB)	39.8	14.6	9.3	8.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	3.2	2.7	4.0	2.7
Freq. (MHz)	33.3	59.5	60.0	59.5
Limit (dB)	16.8	14.3	14.2	14.3



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive



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