VIDEO PRODUCTS INCORPORATED
1275 Danner Drive Aurora,Ohio 44202
Tel: 330-562-2622 Fax: 330-562-1999
www.vpi.us

Top View

Bottom View

All UTP Cat6a Ultra Thin Patch Cable
100% Pass Fluke Cat6a Channel Test!

CAT6A-UTHN-xx-GRAY

CAT6a UTP Ultra Thin Patch Cables

- Tested to pass 500 MHz data transmission rates
- Meet all CAT6A ANSI/TIA-568-C.2 standards
- Compliant with CE, RoHS, REACH standards

Applications:

- Supports 10G bandwidth
- Adapters, Hubs, Switches, Routers, DSL/Cable Modems, Patch Panels, etc.

Description: 4-Pair, UTP, 32 AWG, Stranded Conductors

Available lengths: 1/2/3/5/7/10/15/25/50/75 feet.

Electronic Specifications

Conductor DC Resistance: 58.3Ω/100m
Impedance: 100Ω
Capacitance: 5600 pf/100m
Propagation Delay: 545ns/100m(Maximum
Delay Skew: 45ns/100m(Maximum)

Physical Specifications

Wiring Scheme: T568B
Temperature Rating: -20°C to +75°C
Voltage Rating: 30V

Conductor(4 twisted pair):

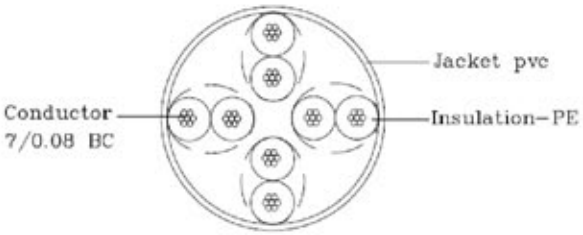
Conductor: 32AWG(7/0.08mm BC)
Insulation: HD-PE:Ø0.55±0.05mm
Twisted Pair: Pair1=Orange, Orange-White
Pair2=Blue, Blue-White
Pair3=Green, Green-White
Pair4=Brown, Brown-White
Shield: N/A

Connector Type (Qty. 2):

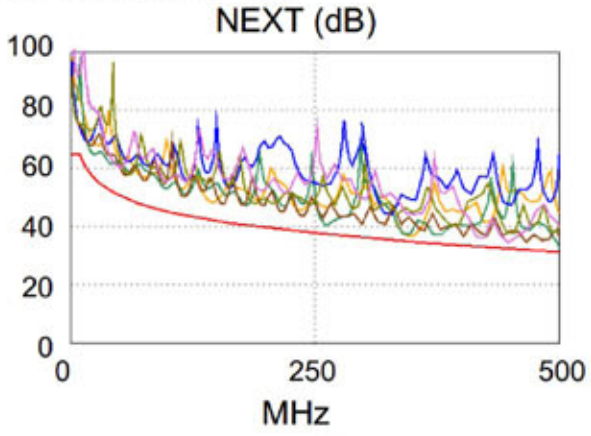
Connector Type: Unshielded 8P8C (RJ45)
Gender: Male
Connector Material: Polycarbonate
Contact Material: Copper Alloy, Gold Plating
Hood Material: Clear Boot Assembled

Overall Cable:

Jacket: PVC
Minimum Average Thickness: 0.4mm
Outer Diameter: 2.8±0.2mm



Fluke Performance Test:



LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A-OD2.8-25M

Test Summary: PASS

Date / Time: 07/10/2015 10:02:51 AM
Headroom 10.0 dB (NEXT 12-36)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A UTP
Calibration Date: 10/02/2007

Operator: PETER
Software Version: 2.7400
Limits Version: 1.9300
NVP: 68.2%

Model: DTX-1800
Main S/N: 9522103
Remote S/N: 9522104
Main Adapter: DTX-CHA001
Remote Adapter: DTX-CHA001

Length (ft), Limit 328	[Pair 12]	90
Prop. Delay (ns), Limit 555	[Pair 36]	137
Delay Skew (ns), Limit 50	[Pair 36]	3
Resistance (ohms)	[Pair 12]	27.9
Insertion Loss Margin (dB)	[Pair 78]	2.7
Frequency (MHz)	[Pair 78]	500.0
Limit (dB)	[Pair 78]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	12-45
NEXT (dB)	10.3	10.0	16.8	17.6
Freq. (MHz)	4.8	19.1	488.0	494.0
Limit (dB)	61.8	52.0	26.4	26.2
Worst Pair	36	36	78	45
PS NEXT (dB)	10.0	10.7	17.4	17.5
Freq. (MHz)	5.0	7.0	486.0	450.0
Limit (dB)	59.0	56.6	23.6	24.4

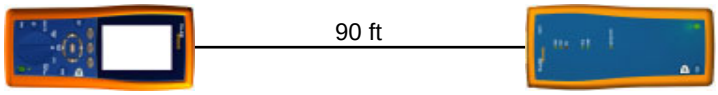
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-78	12-78
ACR-F (dB)	5.0	4.7	5.4	4.9
Freq. (MHz)	428.0	430.0	485.0	488.0
Limit (dB)	10.6	10.6	9.5	9.5
Worst Pair	78	12	78	36
PS ACR-F (dB)	4.8	6.9	4.8	7.9
Freq. (MHz)	485.0	429.0	485.0	485.0
Limit (dB)	6.5	7.6	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	12-45
ACR-N (dB)	12.3	12.7	19.6	21.4
Freq. (MHz)	4.6	7.1	484.0	496.0
Limit (dB)	57.6	53.5	-22.0	-22.9
Worst Pair	36	36	78	45
PS ACR-N (dB)	12.1	13.0	19.5	22.4
Freq. (MHz)	5.1	6.9	484.0	496.0
Limit (dB)	54.1	51.3	-24.8	-25.8

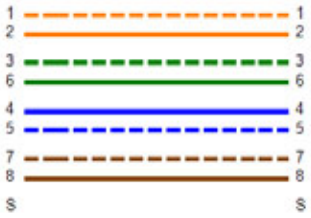
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.9	6.1	5.5	6.1
Freq. (MHz)	78.3	159.5	265.0	159.5
Limit (dB)	13.1	10.0	7.8	10.0

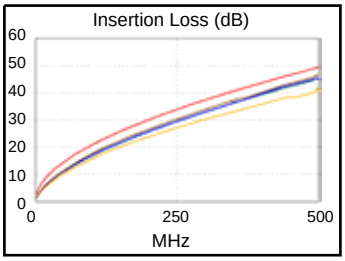
Compliant Network Standards:

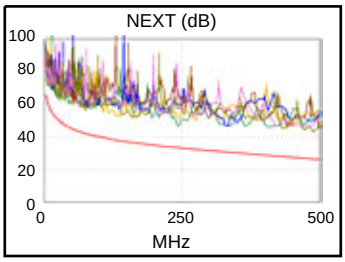
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	10GBASE-T	ATM-25
ATM-51	ATM-155	100VG-AnyLan
TR-4	TR-16 Active	TR-16 Passive

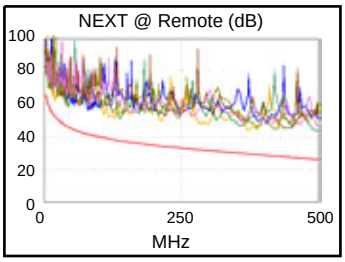


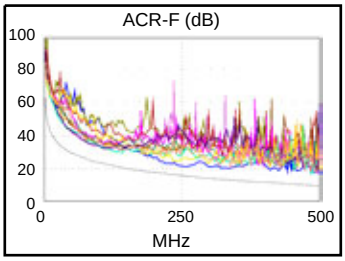
Wire Map (T568B)
PASS

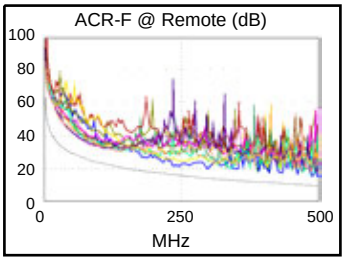


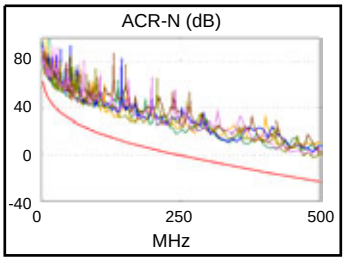


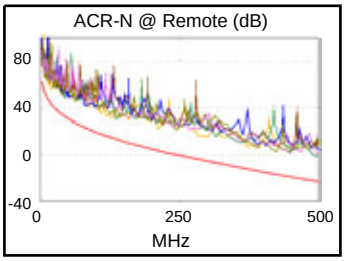


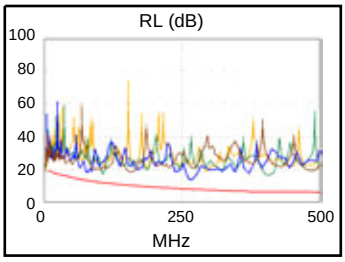


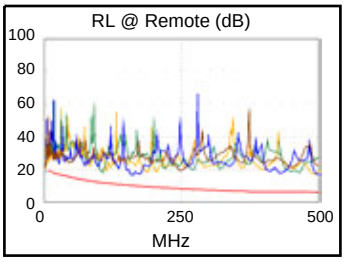












LinkWare™ PC Version 9.3

Project: DEFAULT
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Site: SHENZHEN, CHINA

FLUKE networks