

Cable ID CAT6 UTP QT	Summary PASS	Test Limit TIA Cat 6 Perm. Link	Length 318 ft	Headroom 6.4 dB (NEXT)	Date / Time 04/21/2025 02:11 PM
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Total Length:	318 ft
Number of Reports:	1
Number of Passing Reports:	1
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: CAT6 UTP QT

Test Limit: TIA Cat 6 Perm. Link

Limits Version: V7.9

Date / Time: 04/21/2025 02:11:24 PM

Operator: QINHUI

Headroom 6.4 dB (NEXT 3,6-4,5)

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Main: Versiv

S/N: 1852007

Software Version: V6.11 Build 2

Calibration Date: 05/15/2019

Adapter: DSX-8000 (DSX-PLA804)

S/N: 22280025

Test Summary: PASS

Remote: Versiv

S/N: 1852011

Software Version: V6.11 Build 2

Calibration Date: 05/15/2019

Adapter: DSX-8000R (DSX-PLA804)

S/N: 22280028

Length (ft), Limit 295	[Pair 7,8]	318
Prop. Delay (ns), Limit 498	[Pair 4,5]	494
Delay Skew (ns), Limit 44	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	14.67
Insertion Loss Margin (dB)	[Pair 4,5]	2.4
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	31.1

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-7,8	1,2-3,6
NEXT (dB)	6.4	7.3	8.2	11.2
Freq. (MHz)	27.4	27.4	243.5	248.0
Limit (dB)	50.9	50.9	35.5	35.4
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	7.7	8.8	8.3	9.9
Freq. (MHz)	23.1	5.4	250.0	248.0
Limit (dB)	49.7	59.8	32.7	32.8

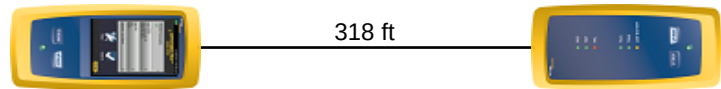
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	7,8-1,2	1,2-7,8	7,8-1,2
ACR-F (dB)	4.3	4.8	4.3	5.0
Freq. (MHz)	220.5	220.5	220.5	227.0
Limit (dB)	17.3	17.3	17.3	17.1
Worst Pair	7,8	1,2	7,8	1,2
PS ACR-F (dB)	6.7	7.2	6.7	7.2
Freq. (MHz)	222.5	222.5	222.5	222.5
Limit (dB)	14.2	14.2	14.2	14.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	6.9	7.7	11.3	13.6
Freq. (MHz)	27.4	5.5	250.0	248.0
Limit (dB)	41.6	57.8	4.2	4.4
Worst Pair	3,6	7,8	3,6	3,6
PS ACR-N (dB)	8.2	9.1	11.3	12.3
Freq. (MHz)	23.3	5.3	250.0	248.0
Limit (dB)	41.1	55.9	1.6	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	4.1	3.8	9.0	8.3
Freq. (MHz)	3.5	3.5	239.0	248.0
Limit (dB)	21.0	21.0	10.2	10.1

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

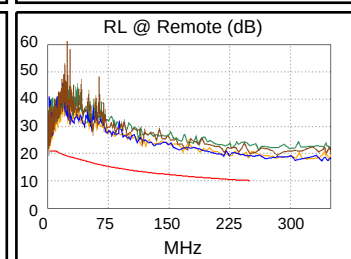
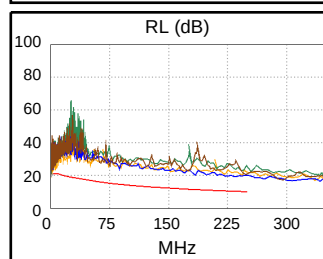
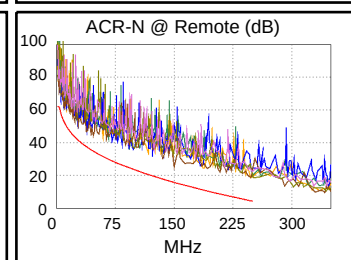
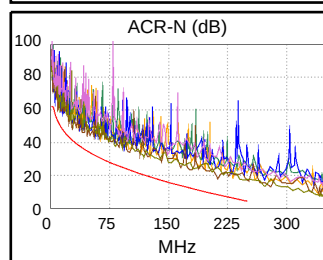
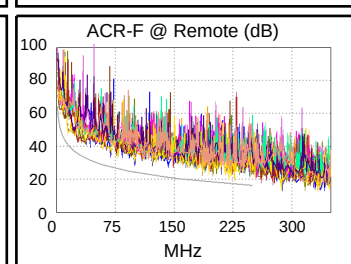
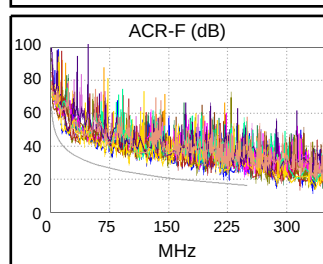
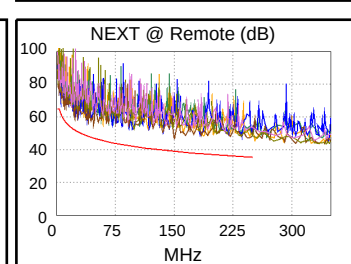
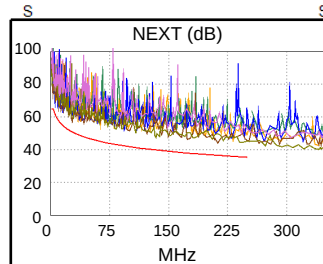
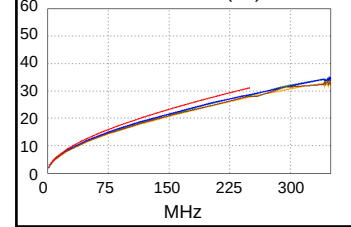


Wire Map (T568B)

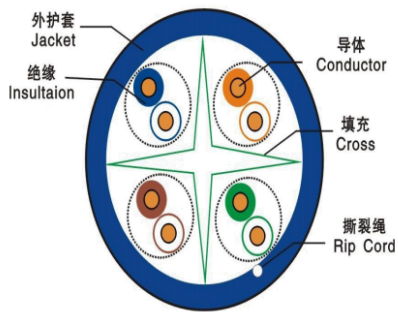
PASS



Insertion Loss (dB)



Outdoor CAT6 U/UTP SPECIFICATION

Description: Product Description: 4P OUTDOOR U/UTP CAT6 23AWG LAN CABLE Reference standard: YD/T1019-2001,ISO/IEC 11801,ANSI/TIA/EIA-568B Rated temperature: 80 ℃ Flame test: Colour-coded PE insulation Solid copper LLDPE jacket			Application: 100 Base-TX 100 Base-T 100VG-AnyLAN 1000 Base-T(Gigabit Ethernet) 1000 Base-TX 5GBASE-T ATM-155		
Data Sheet					
Structure	Construction	U/UTP			
	Number of pairs	4Pairs			
Conductor	AWG	23AWG			
	Material	Solid copper			
	Conductor dimension (mm)	0.56±0.01			
Insulation	Insulation Material	HDPE	Electrical Characteristics 1--250MHz Impedance 100±15Ω Max. delay skew ≤ 45ns/100m Max. conductor resistance 95Ω/km Max. conductor resistance unbalance 5% Min. insulation resistance 5000 MΩ·km Nom. mutual capacitance ≤5.6nF/100m Nominal velocity of propagation 67% Mechanical Characteristics Outer jacket tensile strength ≥ 13.5Mpa Outer jacket elongation ≥ 150% Outer jacket aging condition 100℃ x 168hrs After aging, Tensile strength ≥ 12.5Mpa After aging, Elongation ≥ 125% Cold bend No crack (@-20℃x4hrs) Hot impact NO Crack(@150℃x4hrs)		
	Insulation dimension(mm)	1.01±0.03			
Pairs	1	White-Blue/Blue			
	2	White-Orange/Orange			
	3	White-Green/Green			
	4	White-Brown/Brown			
Filler	Filler material	YES			
Binder	Binder material	N/A			
Shield	Individual shield & material	N/A			
	Primary overall shield & material	N/A			
	Secondary overall shield & material	N/A			
	Shield coverage	N/A			
	Drain wire	N/A			
Outer jacket	Outer jacket material	LLDPE			
	Outer jacket nominal thickness(mm)	0.55±0.05			
	Overall dimension (mm)	6.1±0.3			
	Outer jacket colour	Black			
	Outer jacket rip cord	YES			
Packing	305M Package by Wooden drum				
Test	Perm.Link test by fluke 90±5m				
Marking	CNCOB OUTDOOR CAT.6UTP23AG*4P ISO/IEC 11801 TIA/EIA- 568C.2 001-305M				
	Marking color as per customized request				
Outer jacket colour	Black				

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