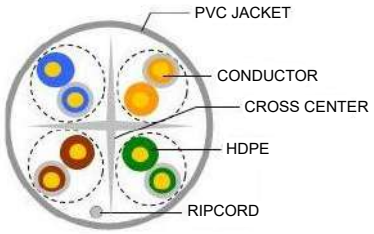
23 AWG CAT.6 UTP Cable

DATASHEET

Specifications

CONDUCTOR	Configuration	4X2X0.57mm±0.015
	Material	BARE COPPER
	Work datapss	180M-200M
INSULATION	Material	HDPE
	PE OD	Φ1.02±0.05mm
PAIRED PITCH	blue/blue&white	12mm
	Orange /Orange &white	16mm
	green/green&white	14mm
	Brown/Brown&white	18mm
OTHERS	Shielding	No
	RIPCORD	Nylon
	PACKAGE	305M/BOX
CROSS CENTER	Material	Polyethylene
SKIN	Material	PVC
	color	Optional
	PVC OD	6.1mm±0.2MM
	PVC Thickness	0.56±0.02mm
	SERFACE	SMOOTH
PERFORMANCE	conductor resistanceΩ /100m.20℃	≤7.2Ω
	Conductor allow load current(A)	0.5A
	voltage rating(V)	≤30V
	operating temperature(℃)	—20℃~75℃
PRINTING	COMMUNICATIONS CABLE 4/24AWG CAT 6 UTP VERIFIED TO TIA/EIA 568B.2 & ISO/IEC 11801 001 305M	

CONFIGURATION



A.Orange/Orange&White
B. Blue/Blue&White
C.Brown/Brown&White
D.Green/Green&White

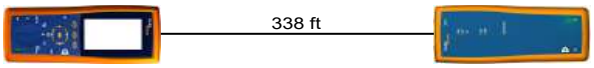
Inside cable sequence：Blue/Blue&White, Orange /Orange &White, Green/Green&White, Brown/Brown&White.

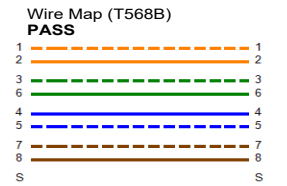
Frequency (MHz)	RL ≥dB	Attenuation ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m	ELFEXT ≥dB/100m	PSELFEXT ≥dB100m
1	20	1.9	72	69	68	65
10	25	5,9	65	62	53	50
16	25	7,5	61	58	48	45
20	25	8.4	54.8	52.8	41.8	39
31.25	23.6	10.6	51.9	49.9	37.9	37
62.5	21.5	15.4	47.4	45.4	31.9	28.8
100	20.1	19.8	44.3	42.3	27.8	24.8
155	18.8	25.1	41.4	39.4	23.9	20.9
200	18	29	40	37.8	21.8	18.7
250	16.7	32.8	38.3	36.3	19.8	16.8

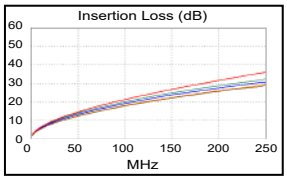
Test results

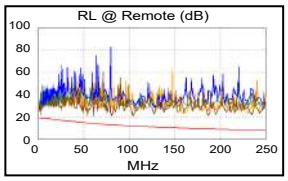
Length (ft), Limit 328	[Pair 78]	338
Prop. Delay (ns), Limit 555	[Pair 36]	533
Delay Skew (ns), Limit 50	[Pair 36]	35
Resistance (ohms)	[Pair 36]	15.7
Insertion Loss Margin (dB)	[Pair 36]	3.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

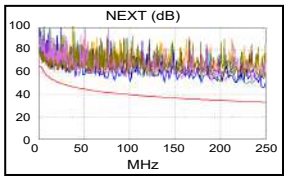
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-78	12-45
NEXT (dB)	6.5	6.2	13.1	13.6
Freq. (MHz)	3.0	3.0	248.0	230.0
Limit (dB)	65.0	65.0	33.2	33.7
Worst Pair	36	36	12	45
PS NEXT (dB)	6.8	6.4	15.5	16.1
Freq. (MHz)	3.0	3.0	248.0	230.0
Limit (dB)	62.0	62.0	30.2	30.8
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
ACR-F (dB)	6.1	6.4	6.1	6.4
Freq. (MHz)	220.5	220.5	220.5	220.5
Limit (dB)	16.4	16.4	16.4	16.4
Worst Pair	12	78	12	78
PS ACR-F (dB)	8.7	9.1	8.7	9.1
Freq. (MHz)	220.5	220.5	220.5	220.5
Limit (dB)	13.4	13.4	13.4	13.4
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-78	12-45
ACR-N (dB)	6.8	6.5	20.1	18.4
Freq. (MHz)	3.0	3.0	248.0	230.0
Limit (dB)	61.5	61.5	-2.6	-0.5
Worst Pair	36	36	12	45
PS ACR-N (dB)	7.0	6.6	22.0	20.9
Freq. (MHz)	3.0	3.0	248.0	230.0
Limit (dB)	58.5	58.5	-5.6	-3.4
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	6.9	7.9	8.0	8.3
Freq. (MHz)	60.8	54.3	184.0	104.5
Limit (dB)	14.2	14.7	9.4	11.8

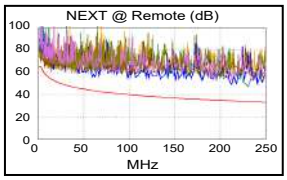


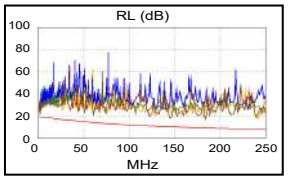


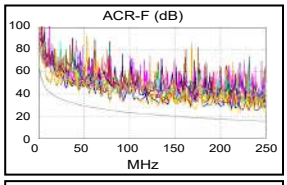


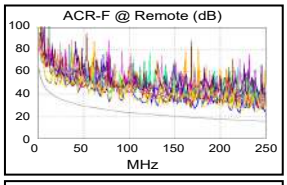


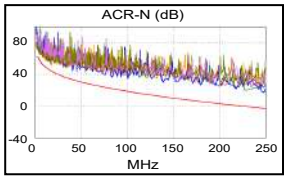


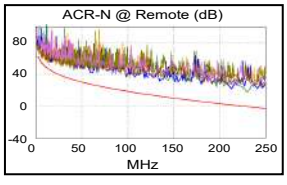












Compliant Network Standards:

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

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