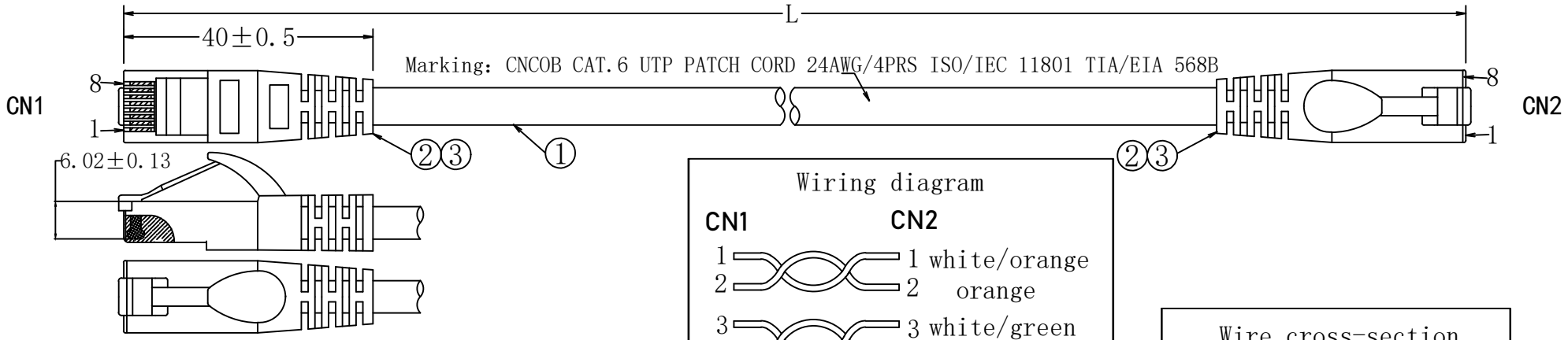
模具编号	UTP指甲沟模

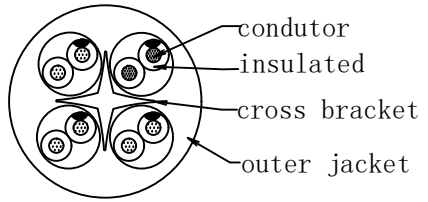
变更记录		
版本	变更日期	变更内容
A0	25.02.22	新版发行



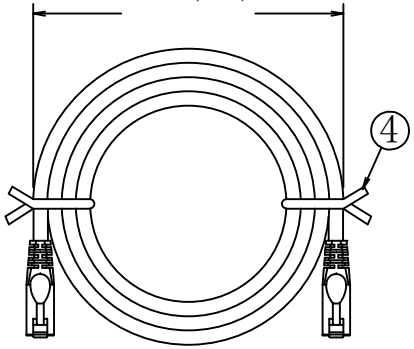
Wiring diagram

CN1	CN2
1	1 white/orange
2	2 orange
3	3 white/green
6	6 green
4	4 blue
5	5 white/blue
7	7 white/grown
8	8 grown

Wire cross-section



Cable Tie Diagram



Technical requirements:

1, the product 100% open circuit, short / broken circuit, misalignment test, appearance inspection; 2, conduction impedance: 2Ω Max (L ≤ 5m);
3Ω Max (5<L≤15m);
5Ω Max (15<L≤30m);
3, insulation impedance: 100MΩ Min, DC300V, 0.01S;
4, all materials need to meet the environmental protection ROHS, REACH standards;
5、Products shall be tested by FLUKE CHANNEL.

No.	客户型号	Cable length	Cutting	Color refer.
1	500136	500+20/-0	520+5/-0	
2	500137	1000±20	1020±5	yellow RAL1003
3	500138	2000±30	2020±5	
4	500139	3000±50	3020±10	
1	500140	500+20/-0	520+5/-0	
2	500141	1000±20	1020±5	blue RAL5002
3	500142	2000±30	2020±5	
4	500143	3000±50	3020±10	

No.	品名规格	数量	单位
5	Glossy zipper bag: L230×W180×H0.1mm	1	pcs
4	Cable tie : 1×2mm white PVC cable tie	AR	mm
3	Molded boot: 50P material (color compliant to cable)	8	g
2	Rj45 plugs: CAT6 UTP 2pieces plugs	2	set
1	Cable:CAT.6 UTP 24AWG(7/0.18mm BC)×4P,OD:5.8+0.2mm, PVC CM Jacket	AR	mm

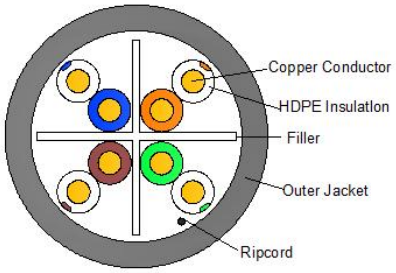
广东胜高通信有限公司
Cobtel Precision Electronics Co.,Ltd.

未注公差±0.2		品　名	UTP CAT6 with Molded Boots Patch cords				
单位	mm	型　号					
比例	1:1	客户型号	C6-UTP-24-BC-MD05				
页码	1/2	制　图	姚巧膺	审核		核准	

CAT6 U/UTP SPECIFICATION

Description: **Product Description: 4P U/UTP CAT6 24AWG PVC LAN CABLE** **Reference standard: ANSI/TIA-568 & ISO/IEC 11801** **Rated temperature: 60 ℃** **Flame test:** **Colour-coded PE insulation** **BARE STRANDED COPPER** **PVC jacket**	**Application:** **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** **TR-16 Passive**

Data Sheet

Structure	Construction	U/UTP		
	Number of pairs	4Pairs		
Conductor	AWG	24AWG		
	Material	Stranded copper		
	Conductor dimension (mm)	7/0.18±0.008		
Insulation	Insulation Material	PE		
	Insulation dimension(mm)	0.95±0.05		
Pairs	1	White-Blue/Blue		
	2	White-Orange/Orange		
	3	White-Green/Green	**Electrical Characteristics**	1--250MHz Impedance 100±15Ω
	4	White-Brown/Brown		Max. delay skew ≤ 45ns/100m
Filler	Filler material	YES		Max. conductor resistance 100Ω/km
Binder	Binder material	N/A		Max. conductor resistance unbalance 5%
Shield	Individual shield & material	N/A		Min. insulation resistance 5000 MΩ·km
	Primary overall shield & material	N/A		Nom. mutual capacitance ≤5.6nF/100m
	Secondary overall shield & material	N/A		Nominal velocity of propagation 69%
	Shield coverage	N/A	**Mechanical Characteristics**	Outer jacket tensile strength ≧13.5Mpa
	Drain wire	N/A		Outer jacket elongation≧150%
Outer jacket	Outer jacket material	PVC		Outer jacket aging condition 100℃ x 168hrs
	Outer jacket nominal thickness(mm)	0.6±0.1		After aging, Tensile strength≧12.5Mpa
	Overall dimension (mm)	5.8±0.2		After aging, Elongation≧125%
	Outer jacket colour	Yellow/黄 RAL1003 Blue/蓝色 RAL5002		Cold bend No crack (@-20℃x4hrs)
	Outer jacket rip cord	YES		Hot impact NO Crack(@150℃x4hrs)
Packing	**Per customer request**			
Test	**TIA Cat 6 Channel**			
Marking	**CNCOB CAT.6 UTP PATCH CORD 24AWG/4PRS ISO/IEC11801 TIA/EIA 568B**			
	Marking color shall be black			
Outer jacket colour	**Yellow/黄 RAL1003 ; Blue/蓝色 RAL5002**			

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 500140-0.5M-03

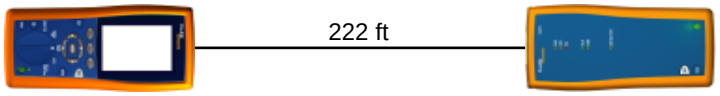
Date / Time: 05/06/2025 01:36:32 PM
Headroom 5.9 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: Your Name
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 09/15/2021
Remote (Tester): 09/15/2021

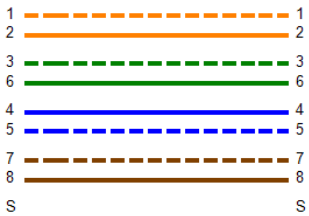
Test Summary: PASS

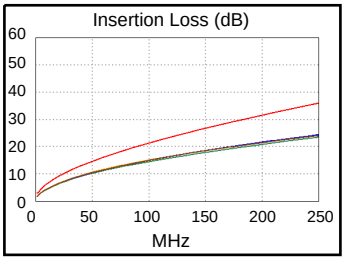
Model: DTX-1800
Main S/N: 3192039
Remote S/N: 3192040
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 36]	222
Prop. Delay (ns), Limit 555	[Pair 78]	336
Delay Skew (ns), Limit 50	[Pair 78]	8
Resistance (ohms)	[Pair 78]	10.1
Insertion Loss Margin (dB)	[Pair 45]	11.5
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	35.9

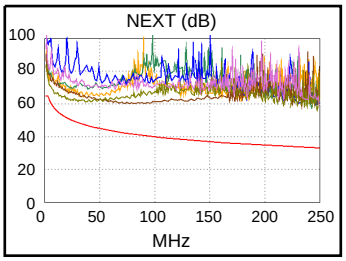


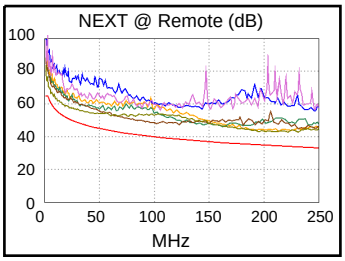
Wire Map (T568B)
PASS



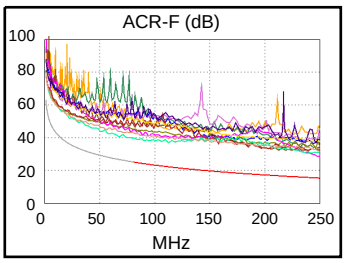


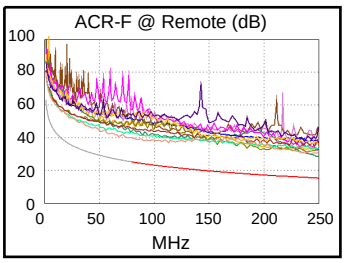
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	8.8	5.9	23.0	8.7
Freq. (MHz)	4.4	5.6	247.5	221.5
Limit (dB)	62.4	60.6	33.2	34.0
Worst Pair	36	36	78	36
PS NEXT (dB)	9.0	6.7	24.1	8.1
Freq. (MHz)	4.3	5.9	247.5	214.0
Limit (dB)	60.1	57.8	30.2	31.3



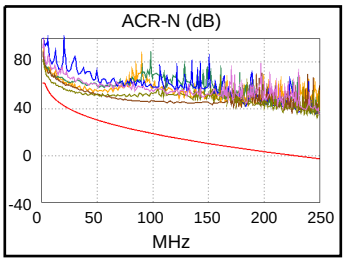


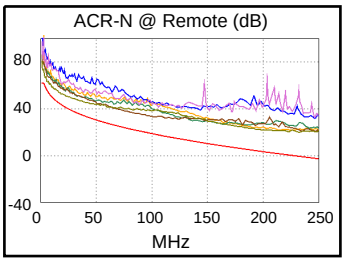
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	12-45
ACR-F (dB)	13.2	13.1	13.2	13.1
Freq. (MHz)	248.0	248.0	248.0	248.0
Limit (dB)	15.4	15.4	15.4	15.4
Worst Pair	12	45	12	45
PS ACR-F (dB)	14.3	13.5	14.3	13.5
Freq. (MHz)	248.5	247.0	248.5	247.0
Limit (dB)	12.4	12.4	12.4	12.4



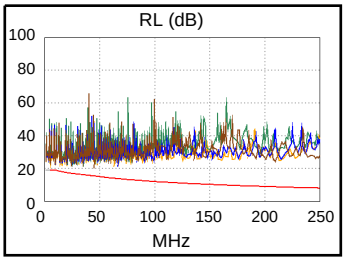


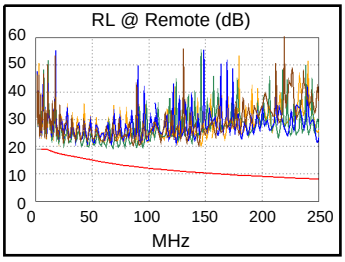
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	10.0	7.3	34.8	20.2
Freq. (MHz)	4.5	5.6	247.5	231.0
Limit (dB)	58.0	55.9	-2.5	-0.6
Worst Pair	36	36	78	36
PS ACR-N (dB)	10.3	8.2	35.9	20.7
Freq. (MHz)	4.3	5.6	247.5	234.5
Limit (dB)	56.0	53.4	-5.5	-4.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	3.2	3.3	3.8	3.5
Freq. (MHz)	5.3	25.0	15.9	46.3
Limit (dB)	19.0	17.0	18.0	15.3





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		

FLUKE networks