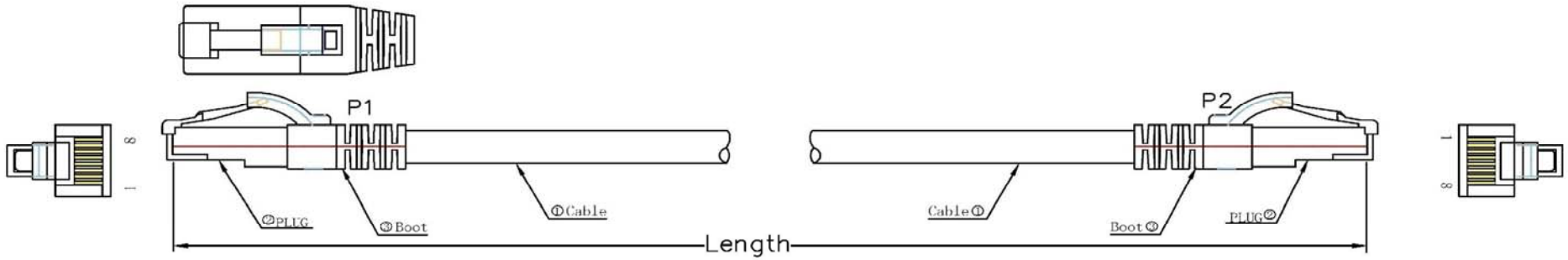
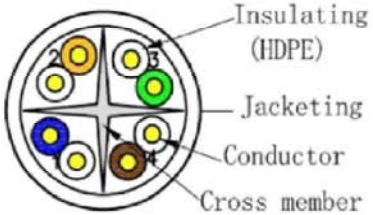
RoHS COMPLIANT

DATE	REV.	REVISION	DRAFTING	CHECKED
	A/0			



Marking: UKCA CE 17 ACT Cat6A U/UTP CU PVC 4X2XAWG24/7 C(UL)US
CMX E477294-24100 IEC 60332-1-2 ANSI/TIA-568.2-D ISO/IEC
11801 Class E EN 50288 MM/DD/YY *****M



orange 2 white/orange	green 3 white/green
blue 1 white/blue	brown 4 white/brown

No.	Part	Color	RAL No.
1	IB32XX	Ivory	RAL1015
2	IB30XX	Grey	RAL7045
3	IB25XX	Red	RAL3031
4	IB26XX	Blue	RAL5012
5	IB27XX	Green	RAL6016
6	IB28XX	Yellow	RAL1023
7	IB29XX	Black	RAL9011
8	IB21XX	Orange	RAL2000
9	IB22XX	Brown	RAL8023
10	IB23XX	Purple	RAL4005
11	IB24XX	Pink	RAL4003
12	IB63XX	White	RAL9016

Conductor		Bare Copper 24AWG
Insulation		Thickness:MIN at any point: 0.15mm MAX AVG: 0.25mm Diameter: 0.95±0.05mm
Jacketing	PVC	Thickness:MIN at any point: 0.45mm MAX AVG: 0.55mm Diameter: 5.9±0.3mm

Wire	CAT. 6A UTP STR 24AWG*4P
Plug	8P8C 50U"
Length=xx	xxM
wire Color	yy

PA/R	PINOUT P1(T568B)	WIRE	PINOUT P2(T568B)
1	1	WHT/ORG	1
	2	ORG	2
2	3	WHT/GRN	3
	6	GRN	6
3	4	BLU	4
	5	WHT/BLU	5
4	7	WHT/BRN	7
	8	BRN	8

Unless specified on the drawing, tolerances are per the follows:
. ± 1
.X ± 0.2
.XX ± 0.05

3RD

DRAW.NO	IBXXXX	ITEM	PATCH CORD CATEGORY 6A UTP		
CUSTOMER NAME		DRAW	Du Haihao	DATE	2026/4/15
SCALE		CHECKER	Jia Jianjia	DATE	2026/4/15
UNIT	MM	SHEET	1	OF	1

Product Specification

STANDARD COMPLIANCES:

All Proposed Category 6A requirements as per ANSI/TIA, ISO/IEC, and CENELEC EN standards.

ANSI/TIA-568.2-D Cat.6A

ISO/IEC 2nd Edition 11801 Class EA

CENELEC EN 50173-1,CENELEC EN 50288-10-2,IEC 61156-6 for patch cable

Flame Retardancy is verified according to IEC 60332-1-2

We Implemented RoHS compliance for the requirement of European Union Issued Directive 2002/95/EC

CONSTRUCTION & CHARACTERISTICS:

Conductor	Material / Size	Bare Copper / 24 AWG
Insulation	Material	HDPE
	Thickness	Nominal : 0.2±0.05mm
	Diameter	Nominal : 0.95±0.05mm
	Colors	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 300 %
	Tensile Strength	Min. 1.683 Kgf/mm²
Jacket	Material	PVC
	Thickness	Nominal : 0.50±0.05mm
	Diameter	Nominal : 5.9±0.3mm
	Color	Assorted upon request
	Unaged Elongation	Min. 100%
	Tensile Strength	Min. 1.407 Kgf/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%
Marking		UKCA CE 17 ACT Cat6A U/UTP CU PVC 4X2XAWG24/7 C(UL)US CMX E477294-24100 IEC 60332-1-2 ANSI/TIA-568.2-D ISO/IEC 11801 Class E EN 50288 MM/DD/YY *****M
		or as customer request.
Flame Test		Burning five times, every time is less than 60 second and paper flag can't be
NOTE: "+"Mould separate		

APPROVAL:

- UL/cUL Listed

Category 6A UTP Patch Cable, 24AWG×4P, PVC

APPLICATIONS:

- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 1000BASE-T Gigabit Ethernet
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring

ELECTRICAL PERFORMANCE:

Dielectric Strength of Insulation		2500 V dc / 2 seconds		
Insulation Resistance Test		Min. 150 MΩ/Km		
Conductor Resistance		Max. 8.76 Ω/100m at 20℃		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	64kHz	125Ω ± 20%		
	1~500MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100M).Max.	NEXT (dB).Min.	PSNEXT (dB).Min.
	1MHz	2.5*	74.3*	72.3*
	10 MHz	7.1*	59.3*	57.3*
	100MHz	23.0*	44.3*	42.3*
	200MHz	33.1*	39.8*	37.8*
	250MHz	37.3*	38.3*	36.3*
	300MHz	41.1*	37.1*	35.1*
	450MHz	51.2*	35.0*	33.0*
	500MHz	54.3*	33.8*	31.8*

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula：

NEXT≧31-50LOG10(f MHZ/330)dB

Category 6A UTP Patch Cable, 24AWG×4P, PVC

CONFIGURATION:

orange 2 white/orange	green 3 white/green
blue 1 white/blue	brown 4 white/brown