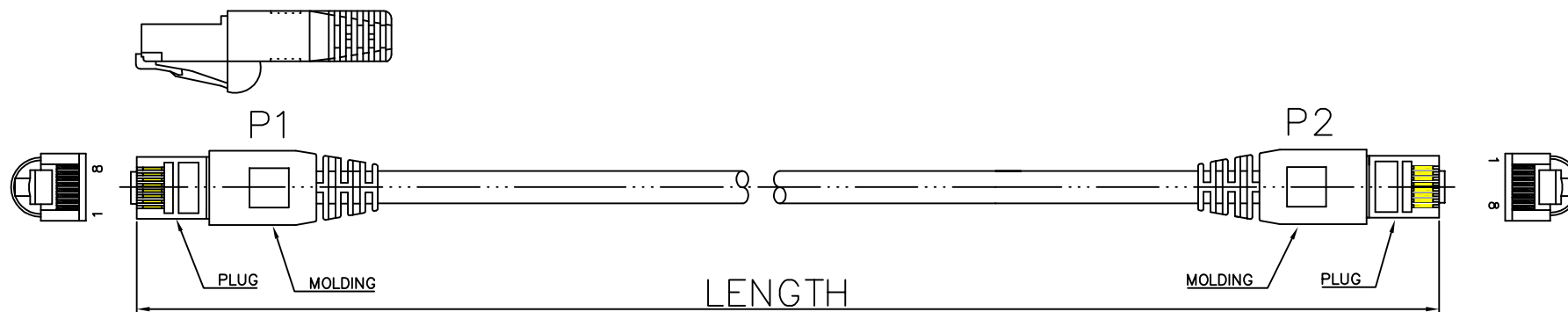
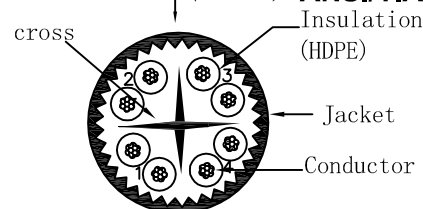


RoHS COMPLIANT

DATE	REV.	REVISION	DRAFTING	CHECKED
	A/O			



MARKING: ACT CATEGORY 6A UTP PATCH CABLE CONFORM TO
(FP0407) ANSI/TIA-568-C.2 ▲ 24AWGX4P CMX(UL) c(UL) CMH E164469-F3 15000.001



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

no.	part	color	YFC NO.	RAL NO.
1	IB25XX	red	RD210	RAL3020
2	IB26XX	blue	BU608	RAL5019
3	IB27XX	green	GN509	RAL6016
4	IB28XX	yellow	YE406	RAL1003
5	IB29XX	black	BK012	RAL 9011
6	IB30XX	gray	GY825	RAL9002

PA/R	PINOUT		
	P1 (T568B)	WIRE	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

Conductor	Bare Copper 24AWG
Insulation	Thickness:MIN at any point:0.2mm MAX AVG:0.25mm Diameter:1.05±0.05mm
Jacketing	PVC Thickness:MIN at any point:0.50mm MAX AVG:0.60mm Diameter:7.0±0.15mm

Wire	CAT. 6A UTP STR 24AWG*4P
Plug	YU-02 8P8C 50U"
Length=xx	xxM
wire Color	yy

Unless specified on the drawing, tolerances are per the follows:

.X	± 1
± 0.2	
.XX	± 0.05

3RD

**ACT**

DRAW.NO	L-234	ITEM	PATCH CORD CATEGORY 6A UTP		
CUSTOMER NAME	資擎	DRAW	DHY	DATE	2011/10/19
SCALE		CHECKER	wuxiao	DATE	2011/10/19
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-C.2 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 : 0.235 mm	
		Diameter	Nominal : 1.03 mm	
		Colors	Blue/White-Blue	Orange/White-Orange
			Green/White-Green	Brown/White-Brown
		Unaged Elongation	Min. 300 %	
		Tensile Strength	Min. 1.683 Kgf/mm ²	
	Jacket	Material	PVC	
		Thickness	Nominal : 0.65 mm	
		Diameter	Nominal : 7.5 mm	
		Color	Assorted upon request	
		Unaged Elongation	Min. 100%	
		Tensile Strength	Min. 1.407 Kgf/mm ²	
		Aging at 100°C for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%	
	Marking	ACT CAT.6A UTP PATCH CONFORM TO ANSI/TIA-568-C.2 ▲ 24AWGX4P CM(UL) c(UL) E164469-XX 15000.001		
		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

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°C		
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:

$$\text{NEXT} \geq 31 - 50 \log_{10}(f \text{ MHz}/330) \text{ dB}$$

CONFIGURATION:

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

