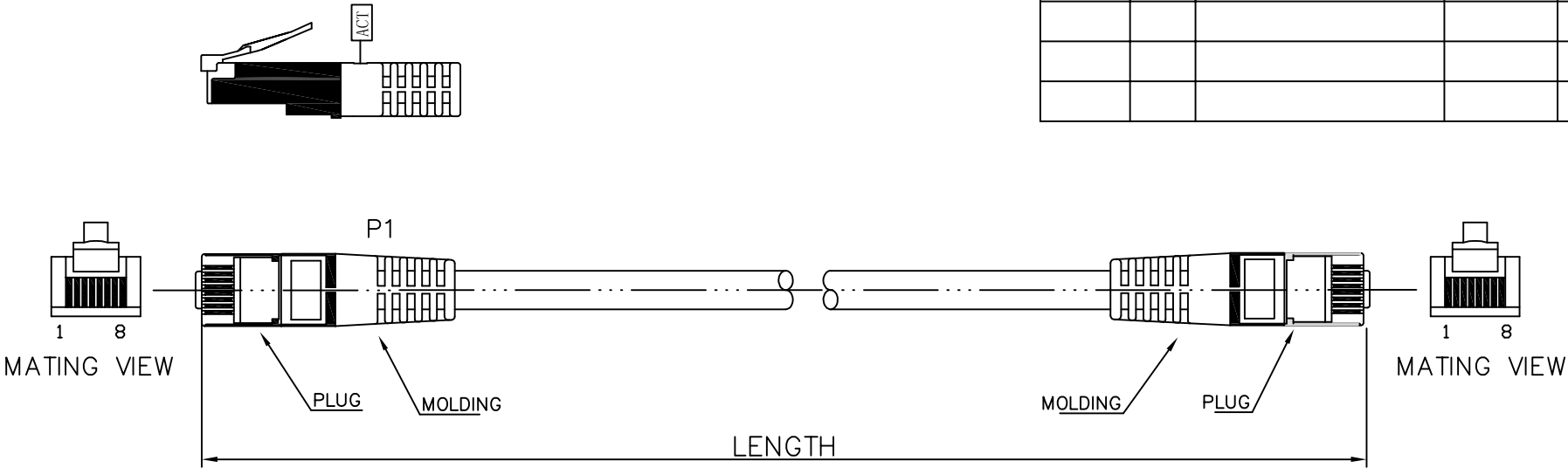
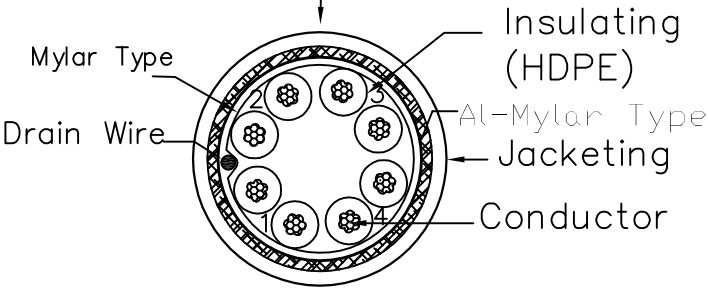


DATE	REV	DESCRIPTION	BY	CHKD



Marking:<LP437> ACT FTP CATEGORY 5 E PATCHCABLE 4X2XAWG#26 LSOH ISO/IEC 11801 & EN 50288 3P VERIFIED FOR GIGABIT ETHERNET LEADFREE EN71 15000.001

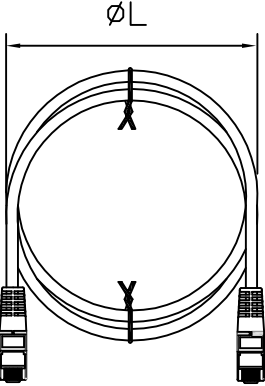


orange 1 white/orange	green 2 white/green
blue 3 white/blue	brown 4 white/brown

Conductor	Bare Copper 26AWG 7/0.152±0.005mm
Insulation	Thickness:MIN at any point:0.15mm MAX AVG:0.25mm Diameter:0.88±0.06mm
Jacketing	LSZH Thickness:MIN at any point:0.50mm MAX AVG:0.60mm Diameter:5.6±0.2mm

WIRE	CAT.5E FTP STR LSZH 26AWG*4P
PLUG	YUS-06
LENGTH	XXM
WIRE COLOR	PANTONE COLOR GRAY 8C

RoHS Compliant



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



PINOUT			
PA/R	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

DRAW.NO	FB2xxx	ITEM	PATCH CABLE CATEGORY 5E FTP LSZH WITH MOLDED BOOTS	
DEPARTMENT	R&D	DRAW	ZhaoyangWu	DATE 2008/4/7
SCALE		CHECKER		DATE
UNIT	MM	APPROVAL		DATE

DATE	REV	DESCRIPTION	BY	CHKD

WIRE	CAT. 5E FTP STR LSZH 26AWG*4P
PLUG	RJ45 8P8C
Plating on contacts	50U"
Max bending radius	25mm
Band with	125MHz
nvp	69%
Standars	ISO/IEC 11801 & EN 50173-1
Impedance	100 Ω $\pm$ 15%
Skew	$\leq$ 45ns 100m AT:20° C
Capacity	Max 5600pf/100m
Jacket	LSZH Thickness:MIN at any point:0.50mmMAX AVG:0.80mm Diameter:5.6 $\pm$ 0.2mm
Insulation	Thickness:MIN at any point:0.15mm MAX AVG:0.25mm Diameter:0.88 $\pm$ 0.06mm
Conductor	Bare Copper 26AWG 7/0.152 $\pm$ 0.005mm
color	Assorted upon request

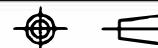
PART	COLOR	RAL NR(LEADFREE)
FB20XX	GRAY852	GREY PANTONE COOL GRAY 8C
IB75XX	RED215	RED PANTONE 201C
IB76XX	BLUE632	BLUE PANTONE 292C
IB77XX	GREEN520	GREEN PANTONE 342C
IB78XX	YELLOW419	YELLOW PANTONE 110C
IB79XX	BLACK012	BLACK PANTONE BLACK C

ACE

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

.X $\pm$ 1
.X $\pm$ 0.2
.XX $\pm$ 0.05

3RD



DRAW.NO	FB2xxx	ITEM	PACH CABLE CATEGORY 5E FTP LSZH WITH MOLDED BOOTS		
DEPARTMENT	R&D	DRAW	ZhaoyangWu	DATE	2008/4/7
SCALE		CHECKER		DATE	
UNIT	MM	APPROVAL		DATE	

Product Specification

STANDARD COMPLIANCES:

All Category 5e Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards:

ANSI/TIA-568-B.2 Cat.5e

ISO/IEC 2nd Edition 11801 Class D

CENELEC EN 50173-1

IEC 61156-6, CENELEC 2nd Edition EN 50288-2-2 for patch cable

Flame Retardancy is Verified According to IEC 60332-1

We Implemented RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC

CONSTRUCTION & CHARACTERISTICS:

Conductor	Material / Size	Bare Copper / 26 AWG
Insulation	Material	HDPE
	Thickness	Nominal: 0.22 mm
	Diameter	Nominal : 0.92 mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
	Elongation	Min. 300%
	Tensile Strength	Min. 1.683Kgf/mm ²
Shield	Al-Mylar Type / Mylar Type	Aluminum foil on inside surface/-
Drain Wire	Material / Size / Construction	Tinned Copper /Comply with international standard
Jacket	Material	LS0H
	Thickness	Nominal : 0.45 mm
	Diameter	5.6±0.3 mm
	Color	Assorted upon request
	Elongation	Min. 125%
	Tensile Strength	Min. 0.917 Kgf/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention:75%, Min. tensile strength retention:70%
	Flame Test	Burning five times, every time is less than 60 second and paper flag can't be burned.
	Marking	YFC CAT.5E FTP LSOH 26AWGX4P PATCH 3P VERIFIED TO ANSI/TIA-568-B.2 & ISO/IEC 11801 ED.2 & EN 50288-2-2 & IEC 60332-1-2 or as customer request.

APPROVALS:

- 3P Certified ANSI/TIA-568-B.2 Category 5e testing performance requirements.

APPLICATIONS:

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

ELECTRICAL PERFORMANCES:

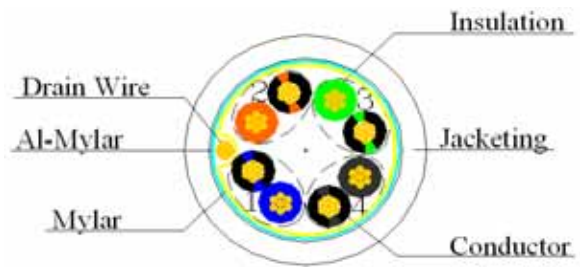
Spark Test		2000±250 V ac		
Dielectric Strength		2500 V dc / 3 seconds		
Insulation Resistance Test		Min. 150 MΩ/Km		
Conductor Resistance		Max.14.07Ω/100m at 20℃		
Resistance Unbalance		Max. 5%		
Capacitance Unbalance		Max. 330 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	722kHz	102Ω ± 15%		
	1~125MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100 meters at 20℃),Max.	Next (dB), Min.	Power Sum (dB), Min.
	722kHz	— —	67.0*	64.0*
	1MHz	— —	65.0*	62.0*
	4 MHz	6.4*	56.0*	53.0*
	8 MHz	8.9*	51.0*	48.0*
	10 MHz	9.9*	50.0*	47.0*
	16 MHz	12.3*	47.0*	44.0*
	20 MHz	13.8*	45.0*	42.0*
	25 MHz	16.0*	44.0*	41.0*
	31.25 MHz	17.1*	42.0*	39.0*
	62.5 MHz	25.6*	38.0*	35.0*
	100 MHz	33.0*	35.0*	32.0*
	125 MHz	37.4*	34.0*	31.0*

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:

$$\text{NEXT}(f \text{ MHz}) \geq \text{NEXT}(0.772) - 15 \log_{10}(f \text{ MHz}/0.772) \text{ dB}$$

CONFIGURATION:

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



Description. Category 5e FTP Patch Cable, 26AWG×4P, LS0H

E: Cat.5e

F: FTP

P: Patch Cable

04: 4 Pair

C: Jacket, LS0H

X1: Packing: R: Reel or N: w/o Reel

XXX2: 305: 305m 500: 500m 610: 610m

XX3: Color: WH:White RD:Red YL:Yellow BL:Blue BK:Black GY:Gray OR:Orange