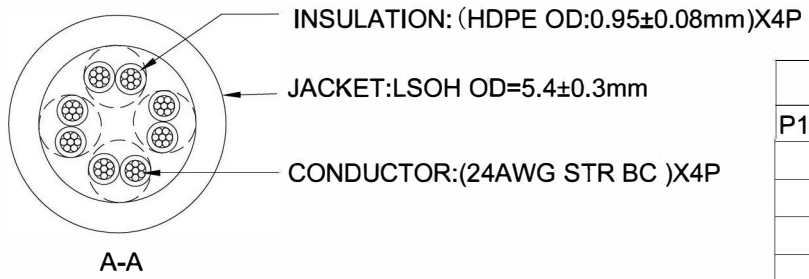
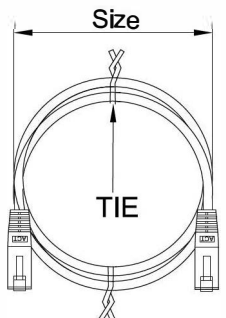
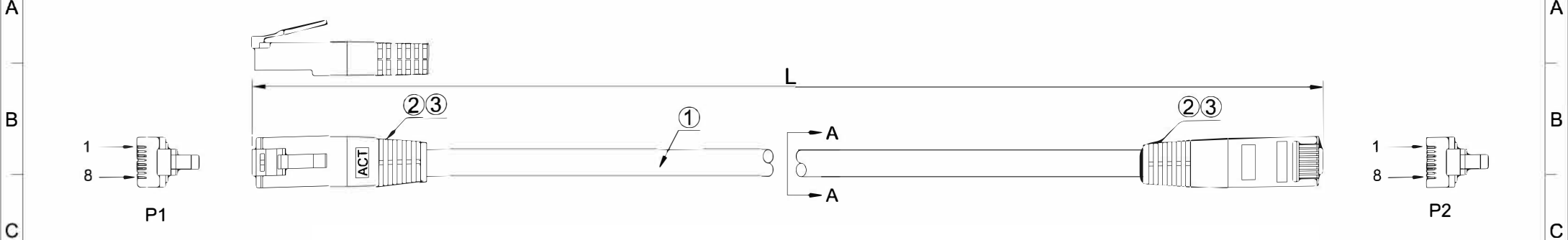


MOLDING:
YUS-06

DATE	REV.	REVISION	DRAFTING	CHECKED
2023. 03. 16	A/0	NEW	LMF	



PINOUT			
P1(T568B)		P2(T568B)	WIRE
1	X	1	WHITE/ORANGE
2		2	ORANGE
3	X	3	WHITE/GREEN
6		6	GREEN
4	X	4	BLUE
5		5	WHITE/BLUE
7	X	7	WHITE/BROWN
8		8	BROWN

- Note:
- 1.Channel Test
 - 2.100% Test(Open,Short,Miswire)
 - 3.Contact Resistance:5Ω max.
 - 4.Insulation Resistance:DC/250V, 10MΩ MIN,0.01S
 - 5.Hi-pot Test:AC/250V 5mA Max. For 0.01s
 - 6.All Material Meet The RoHS 2.0 and Reach
 - 7.Storage temperature:10℃~30℃
 - 8.Storage humidity:<50%RH



③	Molding	70P PVC	A/R	Unless specified on the drawing, tolerances are per the follows: X . ±0.20 X° ±3 .X ±0.10 .X° ±0.3 .XX ±0.05
②	Plug	8P8C 50u" RJ45 Unshielded Aperture Size : 1.0mm	2PCS	
①	Cable	LAN CABLE Cat.5E U/UTP 24AWGx4P STR BC LSOH	A/R	
No.	TITLE	DESCRIPTION	Q' TY	

DRAW. NO	GFWC-S230030	TITLE	Cat.5E U/UTP 24AWGx4P LSOH PATCH CORD		
CUSTOMER	ACT	DRAW	LMF	DATE	2023. 03.16
CUST' R P/N	---	CHECK		DATE	
SCALE	NONE	APPROVED		SHEET	1 OF 2
UNIT	mm				

Cable Spec NO.	GFWL-C230041	Note							
			RoHS 2.0	Reach	GP	HF	Other		

WIRE	Cat. 5E UTP STR 24AWG
PLUG	RJ45 8P8C 50u"
Max bending radius	21.6mm
NVP	100 Ω ±15%
Standards	TIA/EIA-568. 2-D EN50288
Impedance	100 Ω ±15%
Skew	≤45ns 100m at: 20°C
Capacity	MAX 5600pF/100m
Jacket	Thickness: Min at any point: 0.42mm Max AVG:0.48mm Diameter: 5.4±0.2mm
Insulation	Thickness: Min at any point: 0.15mm Max AVG:0.25mm Diameter: 0.95±0.06mm
Conductor	Bare Copper 24AWG 7/0.196±0.015mm

Supports POE Length						
Cable Type	American Wire Gauge (AWG)	Supply Power Length(M) Max				
		IEEE 802.3bt				
		IEEE 802.3at				
		IEEE 802.3af				
		Type 1	Type 1	Type 2	Type 3	Type 4
Cat. 5E	24AWG	79	79	64	64	64

P/N	Length(M)	Color	Pantone
IB2000	0.5	Gray	2333U
IB2001	1		
IB2002	2		
IB2003	3		
IB2005	5		
IB2007	7		
IB2010	10		
IB2015	15		
IB2020	20		
IB2051	1.5		



Unless specified on the drawing, tolerances are per the follows: X. ±0.20 X° ±3 .X ±0.10 .X° ±0.3 .XX ±0.05	DRAW. NO	GFWC-S230030	TITLE	Cat. 5E U/UTP 24AWGx4P LSOH PATCH CORD		
	CUSTOMER	ACT	DRAW	LMF	DATE	2023. 03. 16
	CUST' R P/N	---	CHECK		DATE	
	SCALE	NONE	APPROVED		SHEET	2 OF 2
UNIT	mm					

Product Specification

STANDARD COMPLIANCES:

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

ANSI/TIA/EIA 568.2-D Cat.5e

ISO/IEC 11801 CLASS D

CENELEC EN 50173-1

IEC 61156-6, CENELEC EN 50288-3-2 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	Normal Avg.: 0.186 mm	
	Diameter	Normal : 0.95 mm	
	Colors	Blue/White-Blue	Orange/White-Orange
		Green/White-Green	Brown/White-Brown
	Elongation	Min. 300%	
	Tensile Strength	Min. 1.683 Kg/mm ²	
Sheath	Material	LSOH	
	Thickness	Average: 0.50 mm	
	Diameter	5.4±0.3 mm	
	Elongation	Min. 125%	
	Tensile Strength	Min.0.917 Kg/mm ²	
	Aging at 100°C for 168Hrs	Min. elongation retention:75% Min. tensile strength retention:70%	
Marking	CE UKCA 17 ACT Cat5e U/UTP 4X2XAWG24/7 CU LSZH ANSI/TIA-568.2-D ISO/IEC 11801 CLASS D EN 50288-3-2 IEC 60332-1-2		
Flame Test	Burning five times, every time is less than 60 second and paper flag can't be burned.		

APPROVAL:

3P Certified ANSI/TIA/EIA-568.2-D 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.87.6Ω/1000m at 20°C		
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/100M at 20°C), Max	NEXT (dB), Min	Power Sum (dB),Min
	722kHz	--	67.0*	64.0*
	1MHz	--	65.0*	62.0*
	4 MHz	4.9*	56.0*	53.0*
	8 MHz	7.0*	51.0*	48.0*
	10 MHz	7.8*	50.0*	47.0*
	16 MHz	9.8*	47.0*	44.0*
	20 MHz	11.1*	45.0*	42.0*
	25 MHz	12.5*	44.0*	41.0*
	31.25 MHz	14.0*	42.0*	39.0*
	62.5 MHz	20.4*	38.0*	35.0*
	100 MHz	26.4*	35.0*	32.0*
	125 MHz	30.0*	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:

$$\text{NEXT}(f \text{ MHZ}) \geq \text{NEXT}(0.772) - 15 \text{LOG}_{10}(f \text{ MHZ}/0.772)$$

CONFIGURATION:

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

