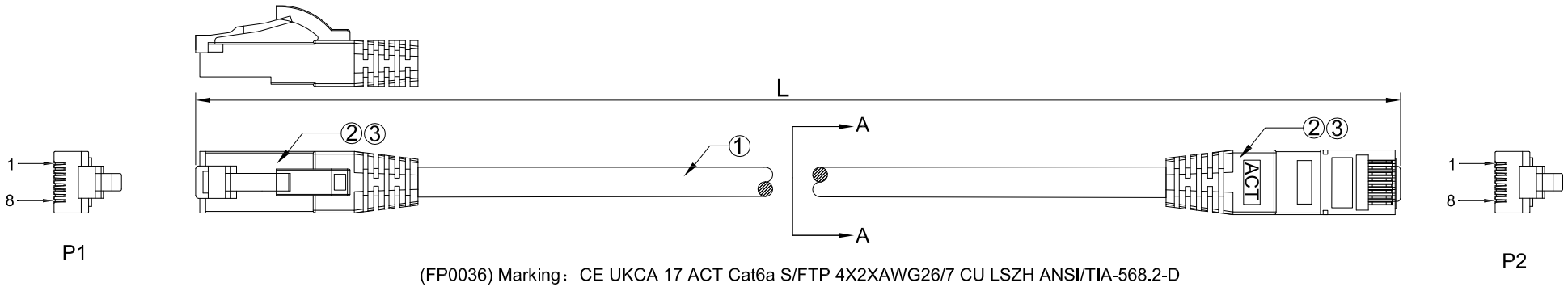
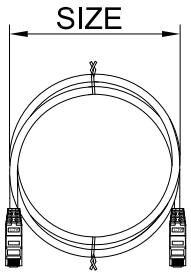
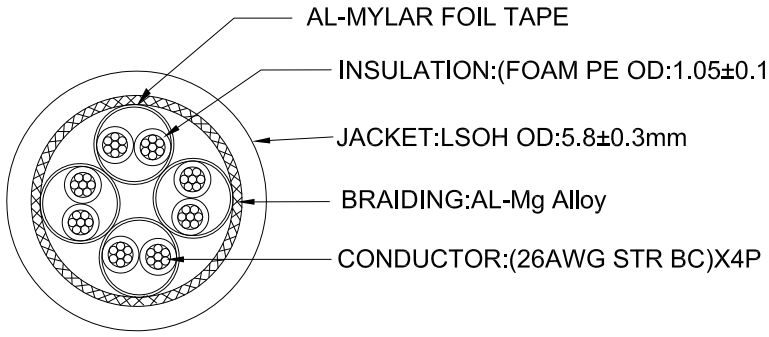
MOLDING:
YUS-28

DATE	REV.	REVISION	DRAW	CHECKED
2025.02.06	A/0	NEW	LMF	



(FP0036) Marking：CE UKCA 17 ACT Cat6a S/FTP 4X2XAWG26/7 CU LSZH ANSI/TIA-568.2-D
ISO/IEC 11801 CLASS EA EN 50288-10-2 IEC 60332-1-2





A-A

Note:
1.Channel Test
2.100% Test(Open,short,miswire)
3.Conductor Resistance:9Ω Max.
4.Insulation Resistance:DC/250V,10 MΩ Min. For 0.01s
5.Hi-pot Test:AC/250V 5mA Max. For 0.01s
6.All Material Meet the RoHS 2.0 and Reach
7.Operating temperature :-20℃~+60℃
8.Minimum bending radius：50mm

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

NO.	TITLE	DESCRIPTION	Q'TY
③	Molding	70P PVC	A/R
②	Plug	RJ45 8P8C 50u" Shielded Hole Dlameter:1.1mm	2PCS
①	Cable	LAN CABLE CAT.6A S/FTP 26AWGx4P STR BC LSOH	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

DRAW. NO	GFWC-S250022	TITLE	CAT.6A 26AWGx4P S/FTP LSOH PATCH CORD				
CUSTOMER							
CUST'R P/N	--	DRAW	LMF	DATE	2025.02.06		
SCALE	NONE	CHECK		DATE			
UNIT	mm	APPROVED		SHEET	1 OF 3		

Cable Spec NO.	GFWL-C220098	Part Number	--	Note		□ GP	□ HF	□ Other

MOLDING:
YUS-28

DATE	REV.	REVISION	DRAW	CHECKED
2025.02.06	A/0	NEW	LMF	

WIRE	CAT.6A S/FTP STR 26AWG
PLUG	RJ45 8P8C 50u″
Min bending radius	50mm
NVP	77%
Standards	TIA/EIA-568.-D EN50288
Impedance	100Ω ±15%
Skew	≤45ns 100m at: 20℃
Capacity	MAX 5600pF/100m
Jacket	Thickness: Min at any point: 0.4mm Max AVG:0.5mm Diameter: 5.8±0.3mm
Insulation	Thickness: Min at any point: 0.15mm Max AVG:0.29mm Diameter: 1.05±0.08mm
Conductor	Bare Copper 26AWG 7/0.154±0.01mm

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.6A	26AWG	63	63	39	39	39

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-S250022	TITLE	CAT.6A 26AWGx4P S/FTP LSOH PATCH CORD		
CUSTOMER					
CUST'R P/N	--	DRAW	LMF	DATE	2025.02.06
SCALE	NONE	CHECK		DATE	
UNIT	mm	APPROVED		SHEET	2 OF 3

Cable Spec NO.	GFWL-C220098	Part Number	--	Note		□ GP	□ HF	□ Other

MOLDING:
YUS-28

DATE	REV.	REVISION	DRAW	CHECKED
2025.02.06	A/0	NEW	LMF	

P/N	Length(M)	Color	RAL NO
FB7100	0.5	Orange	RAL2000
FB7101	1		
FB7102	2		
FB7103	3		
FB7105	5		
FB7107	7		
FB7110	10		
FB7115	15		
FB7120	20		
FB7125	25		
FB7130	30		
FB7151	1.5		

P/N	Length(M)	Color	RAL NO
FB7300	0.5	White	Similar RAL9003
FB7301	1		
FB7302	2		
FB7303	3		
FB7305	5		
FB7307	7		
FB7310	10		
FB7315	15		
FB7320	20		
FB7325	25		
FB7330	30		
FB7351	1.5		

P/N	Length(M)	Color	RAL NO
FB7400	0.5	Ivory	RAL1015
FB7401	1		
FB7402	2		
FB7403	3		
FB7405	5		
FB7407	7		
FB7410	10		
FB7415	15		
FB7420	20		
FB7425	25		
FB7430	30		
FB7451	1.5		
FB7452	0.25		

P/N	Length(M)	Color	RAL NO
FB7500	0.5	Red	RAL3018
FB7501	1		
FB7502	2		
FB7503	3		
FB7505	5		
FB7507	7		
FB7510	10		
FB7515	15		
FB7520	20		
FB7525	25		
FB7530	30		
FB7551	1.5		

P/N	Length(M)	Color	RAL NO
FB8700	0.5	Purple	RAL4005
FB8701	1		
FB8702	2		
FB8703	3		
FB8705	5		
FB8707	7		
FB8710	10		
FB8715	15		
FB8720	20		
FB8725	25		
FB8730	30		
FB8751	1.5		

P/N	Length(M)	Color	RAL NO
FB8800	0.5	Pink	Similar RAL4003
FB8801	1		
FB8802	2		
FB8803	3		
FB8805	5		
FB8807	7		
FB8810	10		
FB8815	15		
FB8820	20		
FB8825	25		
FB8830	30		
FB8851	1.5		

P/N	Length(M)	Color	RAL NO
FB7600	0.5	Blue	Similar RAL5019
FB7601	1		
FB7602	2		
FB7603	3		
FB7605	5		
FB7607	7		
FB7610	10		
FB7615	15		
FB7620	20		
FB7625	25		
FB7630	30		
FB7651	1.5		

P/N	Length(M)	Color	RAL NO
FB7700	0.5	Green	RAL6018
FB7701	1		
FB7702	2		
FB7703	3		
FB7705	5		
FB7707	7		
FB7710	10		
FB7715	15		
FB7720	20		
FB7725	25		
FB7730	30		
FB7751	1.5		

P/N	Length(M)	Color	RAL NO
FB7800	0.5	Yellow	RAL1018
FB7801	1		
FB7802	2		
FB7803	3		
FB7805	5		
FB7807	7		
FB7810	10		
FB7815	15		
FB7820	20		
FB7825	25		
FB7830	30		
FB7851	1.5		

P/N	Length(M)	Color	RAL NO
FB7900	0.5	Black	RAL9011
FB7901	1		
FB7902	2		
FB7903	3		
FB7905	5		
FB7907	7		
FB7910	10		
FB7915	15		
FB7920	20		
FB7925	25		
FB7930	30		
FB7951	1.5		

P/N	Length(M)	Color	RAL NO
~~FB7000~~	0.5	Grey	RAL7045
~~FB7001~~	1		
~~FB7002~~	2		
~~FB7003~~	3		
~~FB7005~~	5		
~~FB7007~~	7		
FB7010	10		
FB7015	15		
FB7020	20		
FB7025	25		
FB7030	30		
FB7051	1.5		
FB7052	0.25		

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-S250022	TITLE	CAT.6A 26AWGx4P S/FTP LSOH PATCH CORD		
CUSTOMER					
CUST'R P/N	--	DRAW	LMF	DATE	2025.02.06
SCALE	NONE	CHECK		DATE	
UNIT	mm	APPROVED		SHEET	3 OF 3

Cable Spec NO.	GFWL-C220098	Part Number	--	Note			□ GP	□ HF	□ Other

Product Specification

STANDARD COMPLIANCES:

All Category 6A Requirements as Per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards:

ANSI/TIA/EIA 568.2-D Cat.6A

ISO/IEC 11801 CLASS D

CENELEC EN 50173-1

IEC 61156-6, CENELEC EN 50288-10-2 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 / 26 AWG 7/0.154±0.01mm
Insulation	Material	Foam PE+PE
	Thickness	Avg: 0.29 mm ; Min 0.15mm
	Diameter	1.05±0.1 mm
	Colors	Blue/White Orange/White
		Green/White Brown/White
	Tensile Strength	Min.0.816 Kg/mm²
Screen	Material	Aluminum-Mylar tape and AL-Mg Alloy braid
Jacket	Material	LSOH
	Thickness	Avg: 0.50 mm ; Min 0.40mm
	Diameter	5.8±0.3 mm
	Color	Assorted upon request
	Elongation	Min. 125%
	Tensile Strength	Min.0.917 Kg/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention:75% Min. tensile strength retention:70%
Marking		CE 17 ACT Cat6a S/FTP 4X2XAWG26/7 CU LSZH ANSI/TIA- 568.2-D ISO/IEC 11801 CLASS EA EN 50288-10-2 IEC 60332-1-2
		or as customer request.

APPROVAL:

3P Certified ANSI/TIA/EIA-568.2-D Category 6A testing performance requirements.

APPLICATIONS:

10GBASE-T Ethernet

1000BASE-TX, Gigabit Ethernet
10BASE-T100BASE-TX Fast Ethernet (IEEE 802.3)
100 VG - AnyLAN (IEEE802.12) 550 MHz Broadband Video
Voice, T1, ISDN, 155/622 Mbps ATM

ELECTRICAL PERFORMANCES:

Spark Test		2000 ± 250 V ac		
Dielectric Strength		1200V dc / 3seconds		
Insulation Resistance Test		Min. 150 MΩ/Km		
Conductor Resistance		Max.14.0Ω/100m at 20℃		
Resistance Unbalance		Max. 5%		
Min bending radius		50mm		
Skew		≤45ns /100 at 20℃		
Mutual Capacitance		Max. 5600 pF/100m		
NVP		77%		
Impedance	1~100MHz	100Ω ± 15%		
	101~500MHz	100Ω ± 22%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100M at 20℃), Max	NEXT (dB), Min	Power Sum (dB),Min
	1MHz	2.5*	74.3*	72.3*
	10 MHz	7.1*	59.3*	57.3*
	100 MHz	23.0*	44.3*	42.3*
	200 MHz	33.1*	39.8*	37.8*
	250 MHz	37.3*	38.3*	36.3*
	300 MHz	41.1*	37.1*	35.1*
	400 MHz	48.1*	35.3*	33.3*
	500 MHz	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(f MHZ)≧NEXT(0.772)-15LOG10(f MHZ/0.772)

CONFIGURATION:

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