
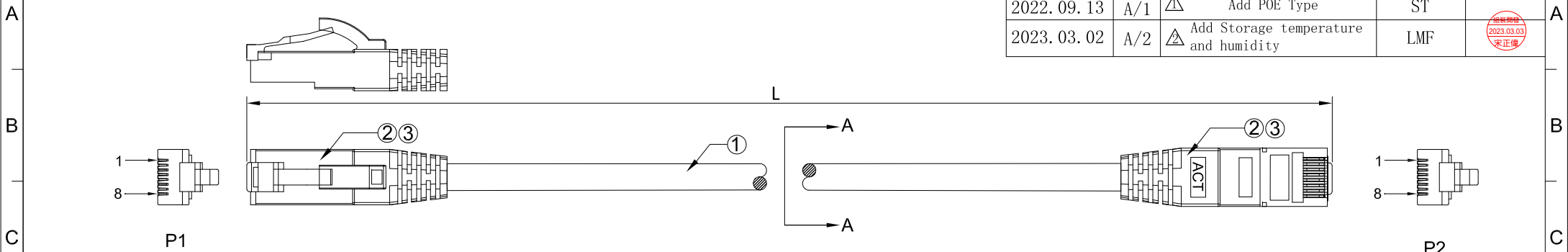
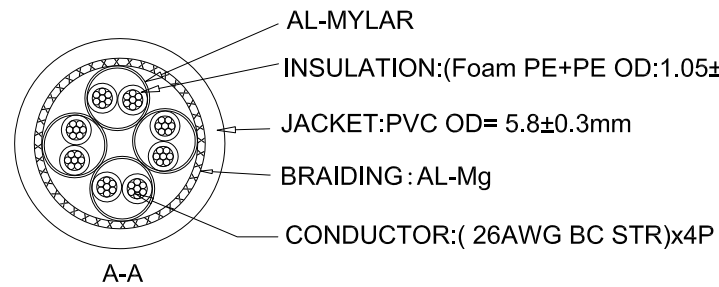
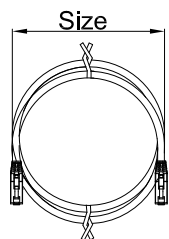


MOLDING:
YUS-28

DATE	REV.	REVISION	DRAFTING	CHECKED
2022. 08. 17	A/0	NEW	Arvin	
2022. 09. 13	A/1	△ Add POE Type	ST	
2023. 03. 02	A/2	△ Add Storage temperature and humidity	LMF	



(FP0408) Marking: CE UKCA 17 ACT Cat6a S/FTP 4X2XAWG26/7 CU PVC ANSI/TIA-568.2-D ISO/IEC 11801 CLASS EA EN 50288-10-2 / IEC 60332-1-2 ▲26AWGX4P TYPE CMX(UL) E477294-01



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	BRAID


- Note:
- Channel Test
 - 100% Test(Open,short,miswire)
 - Contact Resistance:6Ω Max.
 - Insulation Resistance:DC/250V,10 MΩ Min. For 0.01s
 - Hi-pot Test:AC/250V 5mA Max. For 0.01s
 - All Material meet the RoHS2.0 and Reach.
 - Storage temperature:0℃~30℃
 - Storage humidity: <60%RH



③	MOLD	70P PVC	A/R
②	PLUG	8P8C 50u" RJ45 Shielded Aperture Size OD:1.1mm	2PCS
①	CABLE	LAN CABLE Cat.6A S/FTP 26AWGx4P STR PVC CMX	A/R
No.	TITLE	DESCRIPTION	Q'TY

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-S220163	TITLE	Cat.6A 26AWGx4P S/FTP PVC PATCH CORD		
CUSTOMER	資擎	DRAW	LMF	DATE	2023. 03. 02
CUST' R P/N	-	CHECK		DATE	
SCALE	NONE	APPROVED		SHEET	1 OF 3

Cable Spec NO.	GFWL-C220097	Part Number	--	Note	<input checked="" type="checkbox"/> RoHS2.0 <input checked="" type="checkbox"/> Reach <input type="checkbox"/> GP <input type="checkbox"/> HF <input type="checkbox"/> Other		
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MOLDING:
YUS-28

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WIRE	Cat. 6A S/FTP STR 26AWG
PLUG	RJ45 8P8C 50u"
Min bending radius	50mm
NVP	77%
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: 0.4mm 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-S220163	TITLE	Cat.6A 26AWGx4P S/FTP PVC PATCH CORD		
	CUSTOMER	資擎	DRAW	LMF	DATE	2023. 03. 02
	CUST' R P/N	--	CHECK		DATE	
	SCALE	NONE	UNIT	mm	APPROVED	SHEET 2 OF 3

Cable Spec NO.	GFWL-C220097	Part Number	--	Note	<input checked="" type="checkbox"/> RoHS 2.0	<input checked="" type="checkbox"/> Reach	<input type="checkbox"/> GP	<input type="checkbox"/> HF	<input type="checkbox"/> Other	
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MOLDING: YUS-28	DATE	REV.	REVISION	DRAFTING	CHECKED
	2022. 08. 17	A/0	NEW	Arvin	
	2022. 09. 13	A/1	△ Add POE Type	ST	
	2023. 03. 02	A/2	△ Add Storage temperature and humidity	LMF	

P/N	Length(M)	Color	RAL NO	P/N	Length(M)	Color	RAL NO	P/N	Length(M)	Color	RAL NO	P/N	Length(M)	Color	RAL NO	P/N	Length(M)	Color	RAL NO	P/N	Length(M)	Color	RAL NO												
FB2100	0.5	Orange	RAL2003	FB2200	0.5	Brown	RAL8023	FB2300	0.5	Purple	RAL4005	FB2400	0.5	Red	RAL4003	FB6600	0.5	Blue	RAL5019	FB6800	0.5	Yellow	RAL1003												
FB2101	1			FB2201	1			FB2301	1			FB2401	1			FB6601	1			FB6801	1														
FB2102	2			FB2202	2			FB2302	2			FB2402	2			FB6602	2			FB6802	2														
FB2103	3			FB2203	3			FB2303	3			FB2403	3			FB6603	3			FB6803	3														
FB2105	5			FB2205	5			FB2305	5			FB2405	5			FB6605	5			FB6805	5														
FB2107	7			FB2207	7			FB2307	7			FB2407	7			FB6607	7			FB6807	7														
FB2110	10			FB2210	10			FB2310	10			FB2410	10			FB6610	10			FB6810	10														
FB2115	15			FB2215	15			FB2315	15			FB2415	15			FB6615	15			FB6815	15														
FB2120	20			FB2220	20			FB2320	20			FB2420	20			FB6620	20			FB6820	20														
FB2125	25			FB2225	25			FB2325	25			FB2425	25			FB6625	25			FB6825	25														
FB2130	30			FB2230	30			FB2330	30			FB2430	30			FB6630	30			FB6830	30														
FB2151	1.5			FB2251	1.5			FB2351	1.5			FB2451	1.5			FB6651	1.5			FB6851	1.5														
FB3000	0.5			Gray	RAL7045			FB6000	0.5			White	RAL9002			FB6400	0.5			White	RAL9016			FB6500	0.5	Red	RAL3020	FB6700	0.5	Green	RAL6016	FB6900	0.5	Black	RAL9011
FB3001	1							FB6001	1							FB6401	1							FB6501	1			FB6701	1			FB6901	1		
FB3002	2							FB6002	2							FB6402	2							FB6502	2			FB6702	2			FB6902	2		
FB3003	3	FB6003	3			FB6403	3	FB6503	3	FB6703	3			FB6903	3																				
FB3005	5	FB6005	5			FB6405	5	FB6505	5	FB6705	5			FB6905	5																				
FB3007	7	FB6007	7			FB6407	7	FB6507	7	FB6707	7			FB6907	7																				
FB3010	10	FB6010	10			FB6410	10	FB6510	10	FB6710	10			FB6910	10																				
FB3015	15	FB6015	15			FB6415	15	FB6515	15	FB6715	15			FB6915	15																				
FB3020	20	FB6020	20			FB6420	20	FB6520	20	FB6720	20			FB6920	20																				
FB3025	25	FB6025	25			FB6425	25	FB6525	25	FB6725	25			FB6925	25																				
FB3030	30	FB6030	30			FB6430	30	FB6530	30	FB6730	30			FB6930	30																				
FB3051	1.5	FB6051	1.5			FB6451	1.5	FB6551	1.5	FB6751	1.5			FB6951	1.5																				
FB3052	0.25	FB6052	0.25																																



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	CUSTOMER	資擎				
	CUST' R P/N	--	DRAW	ST	DATE	2023. 03. 02
	SCALE	NONE	CHECK		DATE	
UNIT	mm	APPROVED		SHEET	3 OF 3	

Cable Spec NO.	GFWL-C220097	Part Number	--	Note	<input checked="" type="checkbox"/> RoHS 2.0	<input checked="" type="checkbox"/> Reach	<input type="checkbox"/> GP	<input type="checkbox"/> HF	<input type="checkbox"/> Other	
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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±0.08 mm
	Colors	Blue/White Orange/White Green/White Brown/White
	Tensile Strength	Min.0.816 Kg/mm ²
Screen	Material	Aluminum-Mylar tape and AL-Mg Alloy braid
Jacket	Material	PVC
	Thickness	Avg: 0.50 mm ; Min 0.40mm
	Diameter	5.8±0.3 mm
	Color	Assorted upon request
	Elongation	Min. 100%
	Tensile Strength	Min.1.407 Kg/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:85%
Marking		CE 17 ACT Cat6a S/FTP 4X2XAWG26/7 CU PVC ANSI/TIA- 568-C.2 ISO/IEC 11801 CLASS EA EN 50288-10-2 / IEC 60332-1-2 26/7 CMX(UL) E477294-01
		or as customer request.

APPROVAL:

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

APPLICATIONS:

10GBASE-T Ethernet
 1000BASE-TX, Gigabit Ethernet
 10BASE-T/100BASE-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°C		
Resistance Unbalance		Max. 5%		
Min bending radius		50mm		
Skew		≤45ns /100 at 20°C		
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°C), 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:

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

CONFIGURATION:

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

