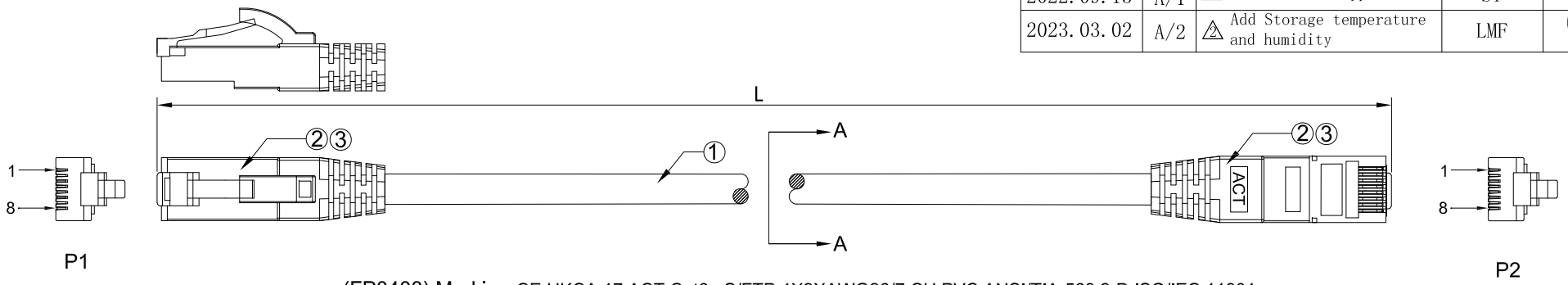
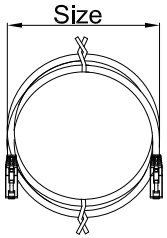
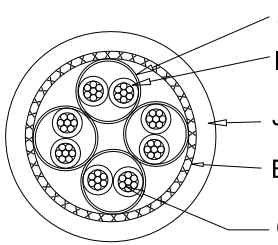
MOLDING:
YUS-28

DATE	REV.	REVISION	DRAFTING	CHECKED
2022.08.17	A/0	NEW	Arvin	
2022.09.13	A/1	⚠1 Add POE Type	ST	
2023.03.02	A/2	⚠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





A-A

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:
1.Channel Test
2.100% Test(Open,short,miswire)
3.Contact Resistance:6Ω 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 RoHS2.0 and Reach.
7.Storage temperature:0℃~30℃
8. Storage humidity:＜60%RH ⚠2

No.	TITLE	DESCRIPTION	Q'TY
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

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				
CUST'R P/N	–	DRAW	LMF	DATE	2023.03.02
SCALE	NONE	CHECK		DATE	
UNIT	mm	APPROVED		SHEET	1 OF 3

Cable Spec NO.	GFWL-C220097	Part Number	--	Note	RoHS2.0	Reach	GP	HF	Other

MOLDING:
YUS-28

DATE	REV.	REVISION	DRAFTING	CHECKED
2022.08.17	A/0	NEW	Arvin	
2022.09.13	A/1	⚠1 Add POE Type	ST	
2023.03.02	A/2	⚠2 Add Storage temperature and humidity	LMF	

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	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

⚠1

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				
CUST'R P/N	--	DRAW	LMF	DATE	2023.03.02
SCALE	NONE	CHECK		DATE	
UNIT	mm	APPROVED		SHEET	2 OF 3

Cable Spec NO.	GFWL-C220097	Part Number	--	Note	■ RoHS 2.0	■ Reach	□ GP	□ HF	□ Other

MOLDING:
YUS-28

DATE	REV.	REVISION	DRAFTING	CHECKED
2022.08.17	A/0	NEW	Arvin	
2022.09.13	A/1	⚠1 Add POE Type	ST	
2023.03.02	A/2	⚠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			FB2200	0.5			FB2300	0.5			FB2400	0.5			FB6600	0.5			FB6800	0.5		
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	Orange	RAL2003	FB2210	10	Brown	RAL8023	FB2310	10	Purple	RAL4005	FB2410	10	Red	RAL4003	FB6610	10	Blue	RAL5019	FB6810	10	Yellow	RAL1003
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			FB6000	0.5			FB6400	0.5			FB6500	0.5			FB6700	0.5			FB6900	0.5		
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	Gray	RAL7045	FB6010	10	White	RAL9002	FB6410	10	White	RAL9016	FB6510	10	Red	RAL3020	FB6710	10	Green	RAL6016	FB6910	10	Black	RAL9011
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																		

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				
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	■ RoHS 2.0	■ Reach	□ 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.

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/mm²
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/mm²
	Aging at 100℃ 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-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