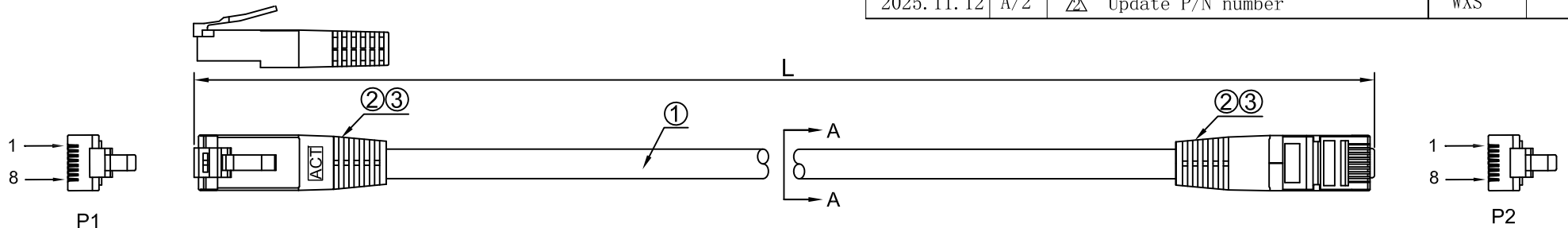
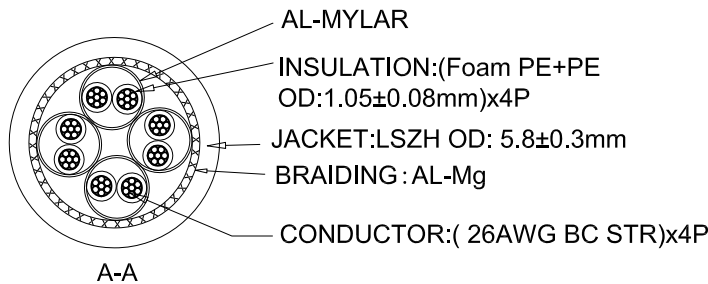
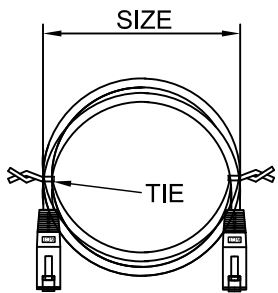


MOLDING:  
YUS-06

REV.	DATE	REVISION	DRAFTING	CHECKED
2024. 10. 09	A/0	NEW	LMF	
2025. 04. 10	A/1	1. Add Length Plus and minus tolerance 2. Add Atorage temperature and humidity 3. Add PoE Type	LMF	
2025. 11. 12	A/2	△ Update P/N number	WXS	



(FP0402)Marking:CE UKCA 17 ACT Cat6 S/FTP 4X2XAWG26/7 CU LSZH ANSI/TIA-568.2-D ISO/IEC 11801 CLASS E EN  
50288-5-2 IEC 60332-1-2



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

- Note:
- 1.Channel Test
  - 2.100% Test(Open,short,miswire)
  - 3.Conductor Resistance:5.5Ω 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:0℃~30℃
  - 8.Storage humidity:<60%RH
  - 9.Operating temperature :-20℃~+60℃



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	DRAW. NO	GFWC-S240222	TITLE	CAT. 6 26AWGx4P S/FTP LSZH PATCH CORD			
②	Plug	RJ45 8P8C 50u" Shielded Hole Diameter:1.1mm	2PCS		CUSTOMER		DRAW	WXS	DATE	2025. 11. 12	
①	Cable	LAN CABLE CAT.6 S/FTP 26AWGx4P STR BC LSZH	A/R	CUST' R P/N	—	CHECK		DATE			
No.	TITLE	DESCRIPTION			Q' TY	UNIT	mm	APPROVED		SHEET	1 OF 3
Cable Spec NO.	GFWL-C220080	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						

MOLDING:  
YUS-28

DATE	REV.	REVISION	DRAFTING	CHECKED
2024.10.09	A/0	NEW	LMF	
2025.04.10	A/1	△ Add Length Plus and minus tolerance	LMF	
2025.11.12	A/2	△ Update P/N number	WXS	



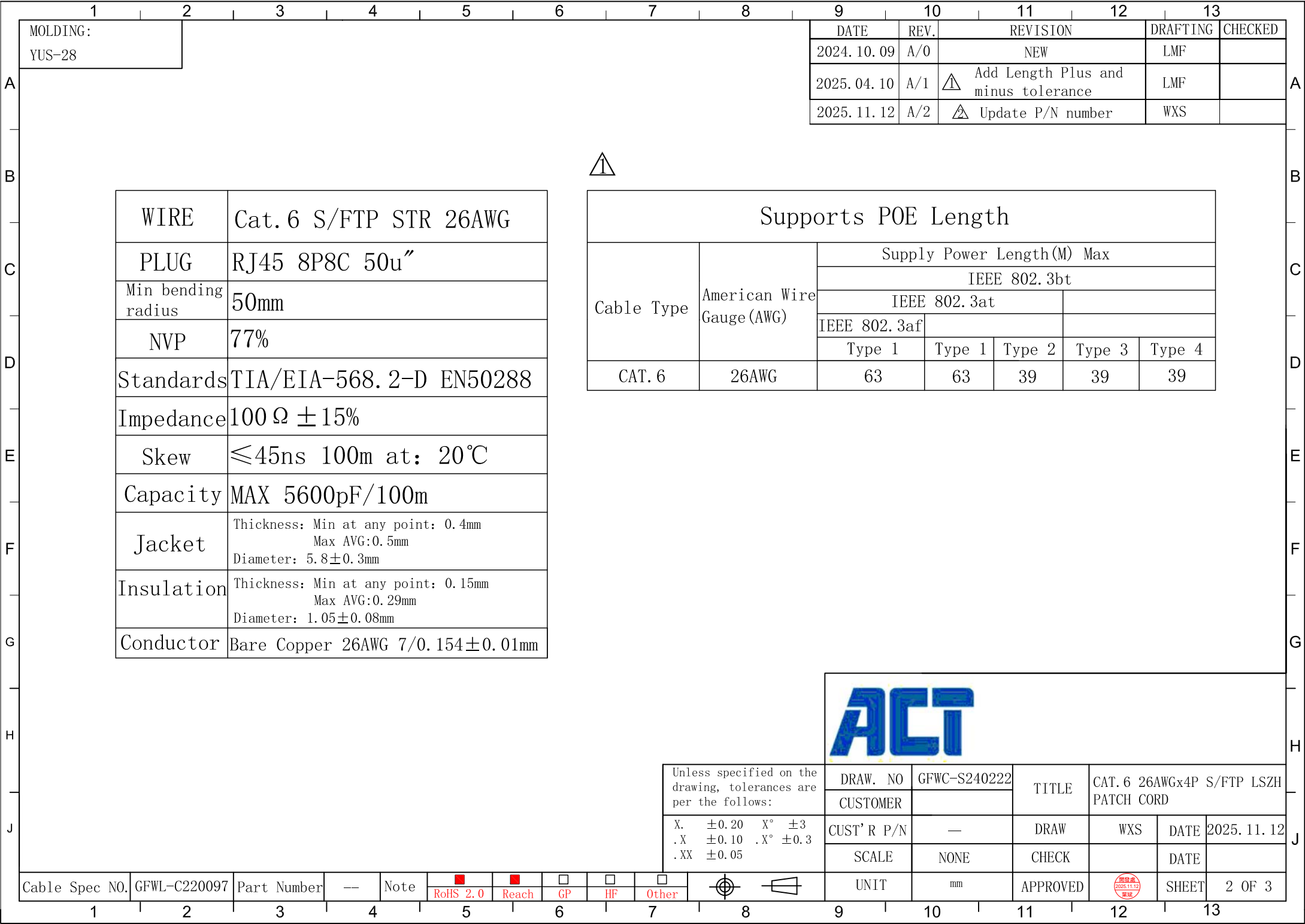
WIRE	Cat.6 S/FTP STR 26AWG
PLUG	RJ45 8P8C 50u"
Min bending radius	50mm
NVP	77%
Standards	TIA/EIA-568.2-D EN50288
Impedance	100 Ω ±15%
Skew	≤45ns 100m at: 20°C
Capacity	MAX 5600pF/100m
Jacket	Thickness: Min at any point: 0.4mm Max AVG:0.5mm Diameter: 5.8±0.3mm
Insulation	Thickness: Min at any point: 0.15mm 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.6	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-S240222	TITLE	CAT.6 26AWGx4P S/FTP LSZH PATCH CORD		
	CUSTOMER		DRAW	WXS	DATE	2025.11.12
	CUST' R P/N	—	CHECK		DATE	
	SCALE	NONE	APPROVED		SHEET	2 OF 3
UNIT	mm					

Cable Spec NO.	GFWL-C220097	Part Number	--	Note	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					RoHS 2.0	Reach	GP	HF	Other		



DATE	REV.	REVISION	DRAFTING	CHECKED
2024. 10. 09	A/0	NEW	LMF	
2025. 04. 10	A/1	△ Add Length Plus and minus tolerance	LMF	
2025. 11. 12	A/2	△ Update P/N number	WXS	

A  
B  
C  
D  
E  
F  
G  
H  
J

A  
B  
C  
D  
E  
F  
G  
H  
J

P/N	Length(mm)	Color	YFC Color NO	RAL NO	P/N	Length(mm)	Color	YFC Color NO	RAL NO	P/N	Length(mm)	Color	YFC Color NO	RAL NO
FB9700	500±20	Green	GN520	RAL6018	FB9800	500±20	Yellow	YE419	RAL1018	FB9900	500±20	Black	BK012	RAL9011
FB9701	1000±30				FB9801	1000±30				FB9901	1000±30			
FB9751	1500±30				FB9851	1500±30				FB9951	1500±30			
FB9702	2000±30				FB9802	2000±30				FB9902	2000±30			
FB9703	3000±30				FB9803	3000±30				FB9903	3000±30			
FB9705	5000±50				FB9805	5000±50				FB9905	5000±50			
FB9707	7000±70				FB9807	7000±70				FB9907	7000±70			
FB9710	10000±100				FB9810	10000±100				FB9910	10000±100			
FB9715	15000±150				FB9815	15000±150				FB9915	15000±150			
FB9720	20000±200				FB9820	20000±200				FB9920	20000±200			
FB9725	25000±250				FB9825	25000±250				FB9925	25000±250			
FB9730	30000±300				FB9830	30000±300				FB9930	30000±300			
FB9000	500±20				Gray	GY824				Similar RAL7048	FB9500			
FB9001	1000±30	FB9501	1000±30	FB9601			1000±30							
FB9051	1500±30	FB9551	1500±30	FB9651			1500±30							
FB9002	2000±30	FB9502	2000±30	FB9602			2000±30							
FB9003	3000±30	FB9503	3000±30	FB9603			3000±30							
FB9005	5000±50	FB9505	5000±50	FB9605			5000±50							
FB9007	7000±70	FB9507	7000±70	FB9607			7000±70							
FB9010	10000±100	FB9510	10000±100	FB9610			10000±100							
FB9015	15000±150	FB9515	15000±150	FB9615			15000±150							
FB9020	20000±200	FB9520	20000±200	FB9620			20000±200							
FB9025	25000±250	FB9525	25000±250	FB9625			25000±250							
FB9030	30000±300	FB9530	30000±300	FB9630			30000±300							
FB9052	250±20													



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-S240222	TITLE	CAT. 6 26AWGx4P S/FTP LSZH PATCH CORD		
	CUSTOMER		DRAW	WXS	DATE	2025. 11. 12
	CUST' R P/N	—	CHECK		DATE	
	SCALE	NONE	APPROVED		SHEET	3 OF 3
UNIT	mm					

Cable Spec NO.	GFWL-C220080	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 6 Requirements as Per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards:

ANSI/TIA/EIA 568.2-D Cat.6

ISO/IEC 11801 CLASS D

CENELEC EN 50173-1

IEC 61156-6, CENELEC EN 50288-5-2 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. 1.683 Kg/mm <sup>2</sup>
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
	Elongation	Min. 125%
	Tensile Strength	Min.0.917 Kg/mm <sup>2</sup>
	Aging at 100°C for 168Hrs	Min. elongation retention:75% Min. tensile strength retention:70%
Marking		CE 17 ACT Cat6 S/FTP 4X2XAWG26/7 CU LSZH ANSI/TIA- 568.2-D ISO/IEC 11801 CLASS E EN 50288-5-2 IEC 60332-1-2
		or as customer request.

**APPROVAL:**

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

**APPLICATIONS:**

1000BASE-TX Gigabit Ethernet  
 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)  
 100 VG - AnyLAN(IEEE802.12), 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%		
	101~250MHz	100Ω ± 22%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100M at 20°C), Max	NEXT (dB), Min	Power Sum (dB),Min
	1MHz	2.4*	74.3*	72.3*
	4 MHz	4.5*	65.3*	63.3*
	10 MHz	7.1*	59.3*	57.3*
	16 MHz	9.7*	56.2*	54.2*
	20 MHz	10.2*	54.8*	52.8*
	31.25 MHz	12.8*	51.9*	49.9*
	62.5 MHz	18.5*	47.4*	45.4*
	100 MHz	23.8*	44.3*	42.3*
	150 MHz	29.7*	41.4*	39.4*
	200 MHz	34.8*	39.8*	37.8*
250 MHz	39.4*	38.3*	36.3*	

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

