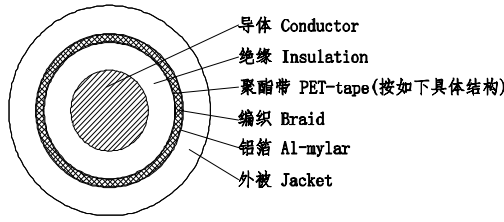


FHL2XCB2X

Cross Section



Marking

FHL2XCB2X XXmm²/T125 ⚡ ATTENTION HIGH VOLTAGE MAX 1000/1500V AC/DC ⚡ LTK MM/DD/YYYY XXXXXm

Notes: "MM/DD/YYYY" means Month/Day/Year, "XXXXXXm" means the meter mark, date and meter mark appear once per meter

Description

Rated Voltage (V) 1500
 Rated Temperature (°C) 125

Reference standard
 ISO 19642 & LV 216 & QC/T 1037

Construction

No.	Area(mm ²)	Conductor			Material	Insulation		Tape PET (Coverage,%)	Shielding		Jacket		Product's number	Packing	
		Construction (mm)	Stranded Dia. (mm)	Max. DC Resistance at 20°C (Ω/km)		Nom./Min. Thickness (mm)	Insulation Dia. ± tolerance(mm)		Tinned Copper braid (Coverage area,%)	AL-mylar (Coverage, %)	Material	Nom./Min. Thickness (mm)			Cable Dia. ± tolerance(mm)
1	0.50	20/0.18B	0.93	37.1	XLPE	0.60/0.45	2.22±0.15	/	85	100	XLPE	0.60/0.45	4.20±0.15	SK-WJ-021	500m/Roll
2	0.75	25/0.196B	1.13	24.7		0.60/0.45	2.60±0.15	/	85	100		0.60/0.45	4.60±0.15	SK-WJ-023A	500m/Roll
3	1.00	34/0.196B	1.31	18.5		0.60/0.45	2.70±0.15	/	85	100		0.60/0.45	4.95±0.15	SK-WJ-221	250m/Roll
4	1.50	50/0.196B	1.60	12.7		0.60/0.45	3.00±0.15	/	85	100		0.70/0.50	5.10±0.15	SK-WJ-022	250m/Roll
5	2.50	83/0.196B	2.06	7.6		0.80/0.60	3.70±0.15	/	85	100		0.80/0.60	5.90±0.15	SK-WJ-024A	250m/Roll
6	3.00	100/0.196B	2.26	6.15		0.80/0.60	3.90±0.15	/	85	100		0.80/0.60	6.20±0.15	SK-WJ-025	250m/Roll
7	4.00	133/0.196B	2.61	4.71		0.80/0.65	4.40±0.15	/	85	100		0.80/0.65	6.80±0.20	SK-WJ-026A	250m/Roll
8	5.00	161/0.196B	3.00	3.94		0.80/0.65	4.80±0.15	/	85	100		0.80/0.65	7.30±0.20	SK-WJ-035	200m/Roll
9	6.00	199/0.196B	3.35	3.14		0.80/0.65	5.00±0.15	/	85	100		1.00/0.80	8.00±0.20	SK-WJ-027A	200m/Roll
10	10.00	332/0.196B	4.25	1.82		1.00/0.80	6.50±0.20	/	85	100		1.00/0.80	9.30±0.30	SK-WJ-028A	300m/Reel
11	16.00	531/0.196B	5.35	1.16		1.00/0.80	8.10±0.30	/	85	100		1.00/0.80	11.20±0.30	SK-WJ-029A	250m/Reel
12	25.00	829/0.196B	6.75	0.743		1.40/1.10	10.40±0.40	/	85	100		1.40/1.10	14.00±0.40	SK-WJ-030A	400m/Reel
13	35.00	1140/0.196B	8.10	0.527		1.40/1.10	11.60±0.40	/	85	100		1.10/0.80	14.50±0.40	SK-WJ-009A	400m/Reel
14	50.00	1658/0.196B	9.50	0.368		1.60/1.30	13.50±0.40	100	85	100		1.30/1.00	17.00±0.60	SK-WJ-222	200m/Reel
15	70.00	2320/0.196B	11.70	0.259		1.60/1.30	15.30±0.60	100	85	100		1.60/1.30	19.60±0.60	SK-WJ-031A	200m/Reel
16	95.00	3108/0.196B	13.30	0.196		1.80/1.50	18.00±0.60	100	85	100		1.70/1.40	22.70±0.60	SK-WJ-032A	200m/Reel
17	120.00	3959/0.196B	15.00	0.153		1.80/1.50	19.70±0.60	100	85	100		1.80/1.50	24.40±0.70	SK-WJ-033	150m/Reel
18	135.00	4477/0.196B	15.75	0.137		2.00/1.60	20.50±0.60	100	85	100		2.00/1.60	25.50±0.70	SK-WJ-060	150m/Reel
19	150.00	4995/0.196B	16.70	0.129		2.00/1.60	21.50±0.60	100	85	100		2.00/1.60	26.80±0.80	SK-WJ-062	100m/Reel

Note: The number of conductors allowed deviation ± 5%

Performance

Rated Voltage	AC 1000V/DC 1500V
Operating Temperature	-40°C~125°C
Insulation resistance	70°C Insulation resistance rate ≥ 1×10 ⁹ Ω.mm(GB/T25085-2010)
Dielectric Strength	AC-6000V/15 MIN
Material characteristic	Low Smoke, No halogen, Retardant
Flammability Test	All combustion flame should be extinguished on the Insulation material in the 70s, at the end of the specimen should be kept a minimum of 50mm Insulation unburned
Oil Resistance	After ageing(gasoline, Diesel fuel, Engine oil), Winding not exposed copper, No breakdown(QC/T1037-2016)
Battery acid resistance test	First cycle 8Hours, Second cycle 16Hours, Winding not exposed copper, No breakdown
Low temperature test	-40°C X4Hours, Winding not exposed copper, No breakdown
Bending radius	Cable diameter D ≤ 20mm, Bending radius ≥ 6D; Cable diameter D ≥ 20mm, Bending radius ≥ 8D
Long-term aging	125°C*3000Hours, No breakdown
Short-term aging	150°C*240Hours, No breakdown
Thermal overload Test	Oven 175°C*6Hours, No breakdown
Ozone Test	Ozone Conditions 192Hours, No breakdown(GB/T2951.21)
heat shrink	150°C*15min, Maximal contraction ≤ 2mm
Printing Test	Indelibly clear, Soaking cotton cloth graze still clearly 10 times

Color

Insulation: Orange(According to customer's requirement)
Jacket: Orange(According to customer's requirement)

Environmental Restricted Substance Requirement

- RoHS2.0
- REACH
- CP65
- Antimony free (Sb<700ppm)
- HF (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm)
- SONY SS-00259
- means Compliance



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- LTK Electric Wire (Huizhou) Ltd
- Huizhou LTK Electronic Cable Ltd
- LTK Electric Wire (Changzhou) Ltd
- LTK Cable (Vietnam) Ltd

Sample No. :	Prepared by: Larry Gao	2023/2/21	Page 1 of 1
Design No. :	Approved by: Emma Bao	2023/2/21	Rev.: 11
Formal No. :	Rev 0		

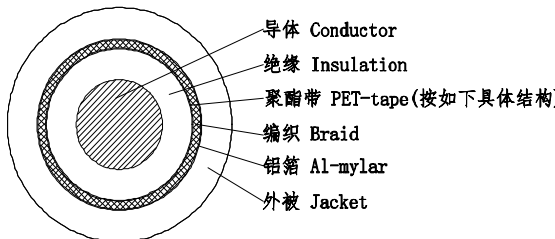
Revision history

* Usage instruction: (The followings are general instructions, if there are special requirements, please follow the specific specifications)

Not to be used directly in corrosive environments such as strong acids and strong alkaline. Not to be immersed in water or in a high humidity environment.
 Not to be exposed in the sunlight outdoor. It is suggested the wiring minimum bending radius shall be 5 times OD or greater, and can not be used in strong stress conditions. The wire needs to be stored indoors, in a dry and ventilated environment. If there's some special requirements for wire, please contact with our sales.
 When customers purchase our products, they should test to verify whether the products is applicable to the usage.

FHL2XCB2X

截面图



印字

FHL2XCB2X XXmm²/T125 ATTENTION HIGH VOLTAGE MAX 1000/1500V AC/DC LTK MM/DD/YYYY XXXXXM

注:MM/DD/YYYY表示月/日/年, XXXXXM表示连续米数, 日期及米标每米出现一次

描述

额定电压 (V) 1500
额定温度 (°C) 125

参考标准
ISO 19642 & LV 216 & QC/T 1037

结构

Table with columns: 序号, 截面积 (mm²), 导体 (导体结构, 导体绞合外径, 20°C时最大导体电阻), 绝缘 (厚度/最薄点, 外径±公差), 包带 (聚酯带), 屏蔽 (镀锡铜编织, 铝箔), 外被 (厚度/最薄点, 外径±公差), 设计卡号, 常规包装.

注: 导体根数允许偏差±5%

特性

Table of characteristics including: 1. 额定电压, 2. 温度等级, 3. 绝缘电阻, 4. 耐压强度, 5. 材质特性, 6. 抗燃性, 7. 耐油测试, 8. 耐乙酸测试, 9. 低温卷曲, 10. 弯曲半径, 11. 长期老化, 12. 短期老化, 13. 热过载试验, 14. 耐臭氧试验, 15. 热收缩, 16. 印字测试.

颜色

绝缘: 橙色 (如需指定颜色请联系)
外被: 橙色 (如需指定颜色请联系)

环境限制物质要求

- RoHS2.0, REACH, CP65, 无锡 (Sb<700ppm), 无卤 (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm), 索尼SS-00259. "■"表示满足.



乐庭国际有限公司

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- 惠州乐庭智联科技股份有限公司, 惠州乐庭电子线缆有限公司, 乐庭电线工业(常州)有限公司, 乐庭电线(越南)有限公司

系统编号:

Table with columns: 样品编号, 设计卡号, 正式设计卡号, 编制, 审核, 日期, 页码, 版本.

变更

* 使用说明: (如下为通用使用说明, 若有特殊要求, 请按规范规定)

不要在强酸强碱等腐蚀性环境中直接使用, 不要浸入水中或在高潮湿环境中使用, 不要在室外裸露在阳光下使用
建议线材布线最小弯曲半径为5倍OD及以上, 且不能在强应力条件下使用, 线材需要储存在室内, 干燥通风的环境中
如线材有特殊要求时, 请先与我司营业人员进行商谈. 用户向我司购买产品后, 应进行相关实验, 以验证是否适合所拟定的用途.