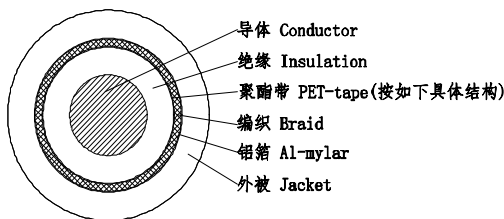


FHL2XCB2X

Cross Section



Marking

FHL2XCB2X XXmm²/T150 ⚡ **ATTENTION HIGH VOLTAGE MAX 1000/1500V AC/DC** ⚡ **LTK** MM/DD/YYYY XXXXXm

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

Description

Rated Voltage (V) 1500
 Rated Temperature (°C) 150

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)		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	ZB230520-1	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	ZB230521-1	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	ZB230522-1	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	ZB230523-1	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	ZB230524-1	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	ZB230525-1	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	ZB230526-1	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	ZB230527-1	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	ZB230528-1	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	ZB230529-1	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	ZB230530-1	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	ZB230531-1	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	ZB230532-1	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	ZB230533-1	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	ZB230534-1	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	ZB230535-1	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	ZB230536-1	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	ZB230537-1	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	ZB230538-1	100m/Reel

Note: The number of conductors allowed deviation ± 5%

Performance

Rated Voltage	AC 1000V/DC 1500V
Operating Temperature	-40°C~150°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°CX4Hours,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	150°C*3000Hours, No breakdown
Short-term aging	175°C*240Hours, No breakdown
Thermal overload Test	Oven 200°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



LTK INTERNATIONAL LIMITED

Tel: (852) 2385 1866 Web: www.ltkcable.com
 Fax: (852) 2572 3832 WeChat: LTK_Cable

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

System No.		Prepared by:	Larry Gao	2024/6/24	Page 1 of 1
Sample No. :		Approved by:	Emma Bao	2024/6/24	Rev.: 11
Design No. :					
Formal No. :					

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 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.