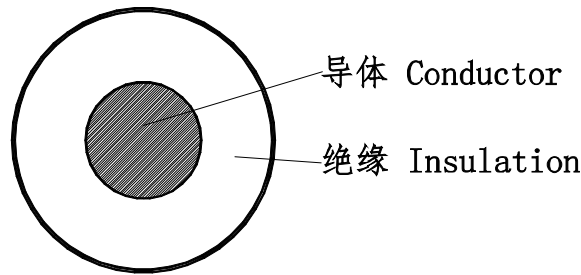


**EV Battery Cable**

**Cross Section**



**Marking**

**EV CABLE XXmm<sup>2</sup> 125°C 1500V LTK**

**Description**

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

**Reference standard**  
 ISO 6722&QC/T 1037

**Construction**

No.	Area(mm <sup>2</sup> )	Conductor			Material	Insulation		Product's number	Packing
		Construction (mm)	Stranded Dia. (mm)	Max. DC Resistance at 20°C (Ω/km)		Nom. Thickness/Min. Thickness (mm)	Insulation Dia.± toleranc(mm)		
1	0.5	20/0.18B	0.93	37.1	XLPE	0.60/0.45	2.22±0.15	SK-EVB-010	500M/Roll
2	0.75	25/0.196B	1.13	24.7		0.60/0.45	2.60±0.15	SK-EVB-012	500M/Roll
3	1.5	50/0.196B	1.60	12.7		0.60/0.45	3.00±0.15	SK-EVB-011	500M/Roll
4	2.5	83/0.196B	2.06	7.6		0.80/0.60	3.70±0.15	SK-EVB-013	500M/Roll
5	4	133/0.196B	2.61	4.71		0.80/0.65	4.40±0.15	SK-EVB-015	500M/Roll
6	5	161/0.196B	3.00	3.94		0.80/0.65	4.80±0.15	SK-EVB-034	500M/Roll
7	6	199/0.196B	3.35	3.14		0.80/0.65	5.00±0.15	SK-EVB-016	250M/Roll
8	10	332/0.196B	4.25	1.82		1.00/0.80	6.50±0.20	SK-EVB-005	500M/Reel
9	16	531/0.196B	5.35	1.16		1.00/0.80	8.10±0.30	SK-EVB-017	500M/Reel
10	25	829/0.196B	6.75	0.743		1.40/1.10	10.40±0.40	SK-EVB-002	500M/Reel
11	35	1161/0.196B	8.10	0.527		1.40/1.10	11.60±0.40	SK-EVB-003	500M/Reel
12	50	1658/0.196B	9.50	0.368		1.60/1.30	13.50±0.40	SK-EVB-004	400M/Reel
13	70	2320/0.196B	11.70	0.259		1.60/1.30	15.30±0.60	SK-EVB-018	250M/Reel
14	95	3099/0.196B	13.30	0.196		1.80/1.50	18.00±0.60	SK-EVB-019	200M/Reel

**Performance**

**Color**

Rated Voltage	1500V
Rated Temperature	-40°C~125°C
Insulation resistance	70°C Insulation resistance rate $\geq 1 \times 10^9 \Omega \cdot \text{mm}$ (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 (QCT1037-2016)
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 $D \leq 20\text{mm}$ , Bending radius $\geq 6D$ , Cable diameter $D \geq 20\text{mm}$ , Bending radius $\geq 8D$
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 $\leq 2$
Printing Test	Indelibly clear, Soaking cotton cloth graze still clearly 10 times

**Insulation**  
 Orange(According to customer's requirement)



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- Dalian LTK Electric Wire Ltd

<b>Part No.:</b>	Prepared by:	HEP	2018/8/21	Page 1 of 1
	Rev	12	Approved by:	KAKA
<b>Revision history</b>		2018/8/21	Rev.:	7

**\* Usage instruction:**

Not to be used directly in corrosive environments such as strong acids and strong alkaline. not 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 and more, 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.