



开开电缆
KAIKAI CABLE

2025

KK Cable Catalogue



KAIKAI CABLE TECHNOLOGY CO., LTD.
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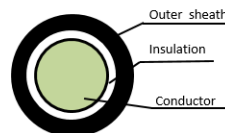
PV solar cable H1Z2Z2-K

Reference Standard: EN 50618:2014

Conductor: Tinned copper wires, meet Class 5, IEC 60228

Insulation: XLPE (Polyolefin copolymer Electron-beam Cross-linked)

Sheath: XLPE (Polyolefin copolymer Electron-beam Cross-linked), Black/ Red



Schematic cross-section and cable reference photographs

Print Mark:  EN 50618 H1Z2Z2-K 1×* mm² Kaikai Cable Technology CO., LTD. ****m

Application: Suited for connecting photovoltaic system components inside and outside of building and equipment

General Characteristics:

➤ Rate Voltage:	DC: 1500V	➤ Resistance against acid and alkaline solution	meet
➤ Test Voltage (5 min):	6.5KV/5mins	➤ Flame retardant, halogen-free and low smoke	meet
➤ Min. bending radius:	5D	➤ Resistance against acid and alkaline solution	meet
➤ UV-resistance	meet	➤ Pressure test at high temperature	meet
➤ Cold impact test	meet	➤ Maximum rated temperature of conductor	120°C
➤ Cold bending test	meet	➤ Minimum installation ambient temperature	-25°C
		➤ Ambient temperature when cable is used	-40~90°C
		➤ Anti-rat and termites	Customer-specific

Cable model of EU		H1Z2Z2-K		
Cable specifications (No. of core x nominal cross-section)		1×4 mm ²	1×6 mm ²	1×10 mm ²
Conductor	Material	Tinned copper	Tinned copper	Tinned copper
	No. of wires / Diameter of wire	56/0.285	84/0.285	77/0.400
	Diameter	2.5 mm	3.1 mm	4.1 mm
	Conductor DC resistance at 20°C	5.09 Ω/km	3.39 Ω/km	1.95 Ω/km
Insulation	Material	XLPE (irradiation)	XLPE (irradiation)	XLPE (irradiation)
	Nominal thickness	0.70 mm	0.70 mm	0.70 mm
	Min. thickness	0.53 mm	0.58 mm	0.53 mm
	Min. Insulation resistance at 20°C	580 M Ω .km	500 M Ω .km	420 M Ω .km
	Min. Insulation resistance at 90°C	0.58 M Ω .km	0.5 M Ω .km	0.42 M Ω .km
Outer sheath	Material	XLPE (irradiation)	XLPE (irradiation)	XLPE (irradiation)
	Nominal thickness	0.80 mm	0.80 mm	0.80 mm
	Min. thickness	0.58 mm	0.62 mm	0.58 mm
	Color	Red / Black	Red / Black	Red / Black
Over-diameter (approx.)		5.5±0.1 mm	6.2±0.1 mm	7.2±0.2 mm

LV Power cables

AC 0.6/1KV

Application:

Use for a power transmission and distribution cable

Based on cables material:

Conductor: copper, Aluminum, Aluminum alloy

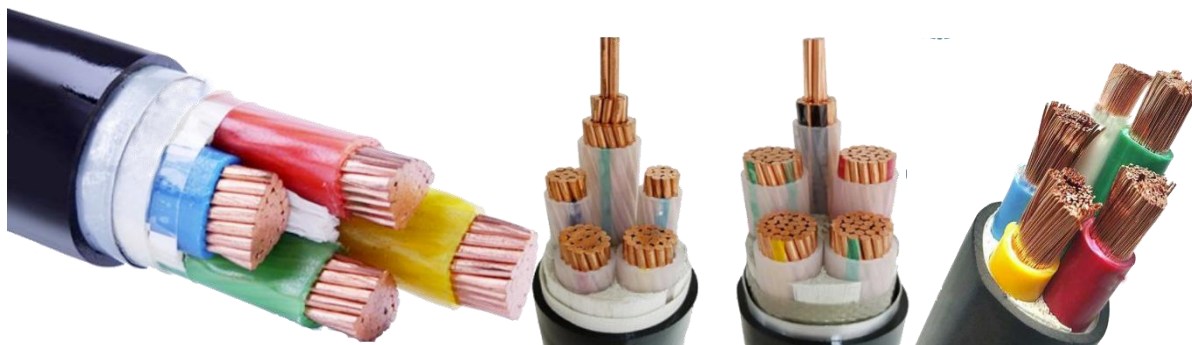
Insulation & sheath: PVC, XLPE, PE

Flame Retardant Customer-specific

Fire Resistant Customer-specific

Armored Customer-specific

LV copper power cables



LV aluminum (alloy) power cables



MV Power cables

Application:

Use for a power transmission cable

Based on cables material and voltage:

Conductor: Copper, Aluminum, Aluminum alloy

Insulation & sheath: PVC, XLPE, PE

Voltage: AC1.8/3 KV; 3.6/6 KV; 6/6 KV; 6/10 KV; 8.7/10 KV; 8.7/15 KV; 12/20 KV;

18/20 KV; 18/30 KV; 21/35 KV; 26/35 KV;

Flame Retardant Customer-specific

Fire Resistant Customer-specific

Armored Customer-specific



Cu/PVC insulated cables

450/750V

Reference Standard: IEC 60227-01

Conductor: copper, meet Class 1 or Class 2 IEC 60228

Insulation: PVC

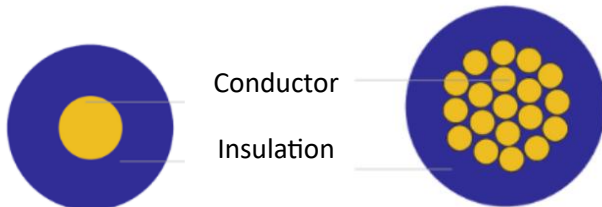
Flame Retardant *Customer-specific*

Fire Resistant *Customer-specific*

Application:

For building wire installed in conduit in dry location and interwiring in switch board and control panel.

Schematic cross-section



Class 1 conductor,

Single copper wire

1.5/2.5/4/6 MM²

Class2 conductor,

Stranded copper wires

10-300 MM²

IEC 60227:2019



GB/T 5023.3-2008



CERTIFICATION:



Cable reference photographs



Available Colors



Cu/PVC insulated cables

Reference Standard: IEC 60227-02

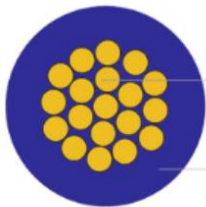
Conductor: copper, meet Class 5 or Class 6 IEC 60228

Insulation: PVC

Flame Retardant *Customer-specific*

Fire Resistant *Customer-specific*

Schematic cross-section



Conductor

Insulation

Class 5 or Class 6 conductor,

Stranded copper wires

1.5-70 MM²

450/750V (Flexible)

Application:

For building wire installed in conduit in dry location and interwiring in switch board and control panel.

SPECIFICATION

IEC 60227:2019



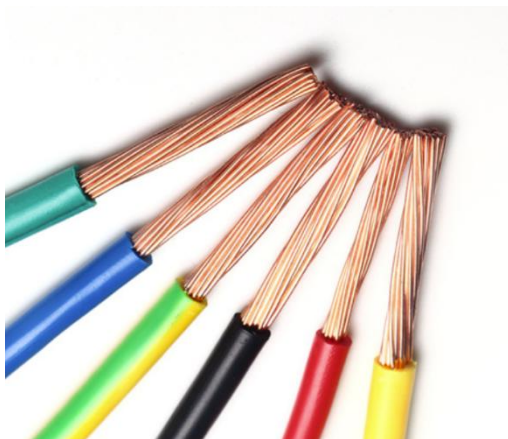
GB/T 5023.3-2008



CERTIFICATION:



Cable reference photographs



Available Colors



AL/PVC insulated cables

450/750V

Reference Standard: IEC 60227-02

Conductor: Aluminum, meet Class 1 or Class 2, IEC 60228

Insulation: PVC

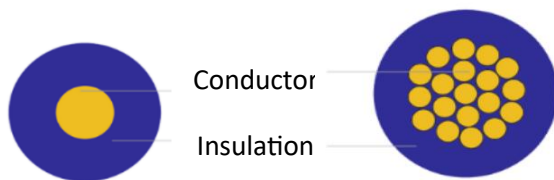
Flame Retardant *Customer-specific*

Fire Resistant *Customer-specific*

Application:

For building wire installed in conduit in dry location and interwiring in switch board and control panel.

Schematic cross-section



Class 1 or Class 2 conductor,

Single wires or Stranded Aluminum wires

2.5-150 MM²

SPECIFICATION

IEC 60227:2019



GB/T 5023.3-2008



CERTIFICATION:



Cable reference photographs



Available Colors



Power cables in Security system

Application:

Transmit power to **surveillance equipment, sensors**, and other devices in security systems.

Based on cables intended use and operating environment, we design and produce the following cables for powering security systems.

Fire Resistant

Customer-specific



Cu/XLPE/Copper wires shielding /XLPE, AC 300/300V

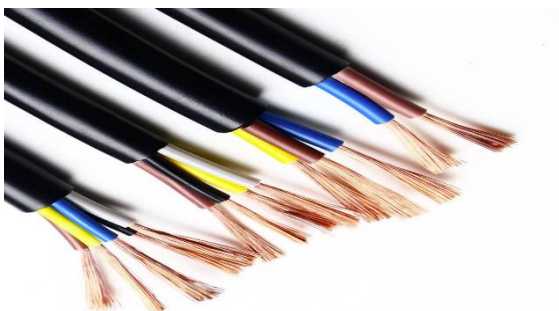
Multi-core, cross-sectional area from 0.5mm²-6mm²

Halogen free, Low smoking, Flame retardant

Cu/PVC/Copper wires shielding /PVC, AC 300/300V,

Multi-core, cross-sectional area from 0.5mm²-6mm²

Flame retardant



Cu/PVC AC300/300V,

Twisted pair wires

Flame retardant

Cu/PVC/PVC, AC 300/300V or AC 300/500V

Multi-core, cross-sectional area from 0.5mm²-6mm²

Flame retardant

