

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50546675

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
S.I.

Unser Zeichen *Our Reference*  
01-Jingt-CN229ANK 001

Ausstellungsdatum *Date of Issue*  
09.08.2022 (day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Shanghai Kuka Special Cable Co.,Ltd  
building 13 No.5878,  
Nanjingong Road,  
Tinglin zhen JinShan District,  
Shanghai  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Shanghai Kuka Special Cable Co.,Ltd  
building 13 No.5878,  
Nanjingong Road,  
Tinglin zhen JinShan District,  
Shanghai  
P.R. China

**Prüfzeichen *Test Mark***



Type Approved  
Safety  
Regular Production  
Surveillance  
  
www.tuv.com  
ID 1111255141

**Geprüft nach *Tested acc. to***  
EN 50618:2014

**Zertifiziertes Produkt (*Geräteidentifikation*)**  
***Certified Product (Product Identification)***

**Lizenzentgelte - Einheit**  
***License Fee - Unit***

**Cable (Electric Cables for Photovoltaic Systems)**

Type Designation	: H1Z2Z2-K 1X1.5-150mm2 H1Z2Z2-K 2X1.5-50mm2 Shanghai Kuka Special Cable Co.,Ltd	15
Rated Voltage	: DC 1,5kV AC 1,0/1,0kV	
Ambient Temperature	: -40°C to +90°C	
Max.Temperature at Conductor	: 120°C	

15

**ANLAGE (Appendix): 1.0**

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

http://www.tuv.com/safety E-mail: markcheck@tuv.com  
Fax: +49 221 806-3935



**Kenny Shi**

Shanghai Kuka Special Cable Co.,Ltd  
Mr. Si

Date : 09.08.2022  
Our ref. : Jingt 01  
Your ref.: S.I.

building 13 No.5878,  
Nanjingong Road,  
Tinglin zhen JinShan District,  
Shanghai  
P.R. China

**Ref : R TÜV-Mark Approval**

Type of Equipment : Electric Cables for Photovoltaic Systems  
Model Designation : See Certificate  
Certificate No. : R 50546675 0001  
Report No. : CN229ANK 001

Dear Mr. Si,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

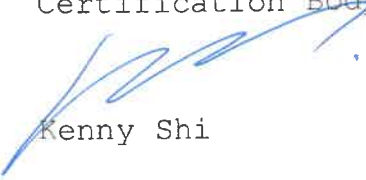
Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body

  
Kenny Shi

cc: Shanghai Kuka Special Cable Co.,Ltd

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50546688

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
S.I

Unser Zeichen *Our Reference*  
01-Jingt-CN22POMF 001

Ausstellungsdatum *Date of Issue*  
09.08.2022 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Shanghai Kuka Special Cable Co.,Ltd  
building 13 No.5878,  
Nanjingong Road,  
Tinglin zhen JinShan District,  
Shanghai  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Shanghai Kuka Special Cable Co.,Ltd  
building 13 No.5878,  
Nanjingong Road,  
Tinglin zhen JinShan District,  
Shanghai  
P.R. China

## Prüfzeichen *Test Mark*



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1111255142

Geprüft nach *Tested acc. to*  
IEC 62930:2017

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

### Cable (Electric Cables for Photovoltaic Systems)

Type Designation	: 2011624-62930 IEC 131	15
Code Marking	: 62930 IEC 131 Shanghai Kuka Special Cable Co.,Ltd	
Additional Marking	: HALOGEN FREE LOW SMOKE	
Scope of Sizes	: 1X1,5-150mm <sup>2</sup> 2X1,5-50mm <sup>2</sup>	
Rated Voltage	: DC 1,5kV	
Max. Storage Temperature	: +45°C	
Min.Temperature for Installation and Handling:	: -25°C	
Max.Temperature at Conductor	: 120°C	

15

## ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Zertifizierungsstelle



Kenny Shi

Shanghai Kuka Special Cable Co.,Ltd  
Mr. Si

Date : 09.08.2022  
Our ref. : Jingt 01  
Your ref.: S.I

building 13 No.5878,  
Nanjingong Road,  
Tinglin zhen JinShan District,  
Shanghai  
P.R. China

**Ref : R TÜV-Mark Approval**

Type of Equipment : Electric Cables for Photovoltaic Systems  
Model Designation : See Certificate  
Certificate No. : R 50546688 0001  
Report No. : CN22POMF 001

Dear Mr. Si,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body

  
Kenny Shi

cc: Shanghai Kuka Special Cable Co.,Ltd

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

# Certificate



Certificate no.

T 50460667 02

**License Holder:**  
Shanghai Kuka Special Cable Co.,Ltd  
building 13 No.5878,  
Nanjingong Road,  
Tinglin zhen JinShan District,  
Shanghai  
P.R. China

**Manufacturing Plant:**  
Shanghai Kuka Special Cable Co.,Ltd  
building 13 No.5878,  
Nanjingong Road,  
Tinglin zhen JinShan District,  
Shanghai  
P.R. China

**Test report no.:** WSW 50367699 002  
**Tested to:** 2 PFG 1169/08.07

**Client Reference:** S.P.B.

**Certified Product:** (Cables for Photovoltaic-Systems)

**License Fee - Units**

as page 0001

Addition

**Type Designation** : PV1-F 1X4...25mm<sup>2</sup>  
PV1-F 2X4...25mm<sup>2</sup>

4

**Rated Voltage** : DC 1,0kV  
AC U<sub>o</sub>/U 0,6/1kV

**Ambeient Temperature:** -40°C to +90°C

**Max.Temperature  
at Conductor** : 120°C

**Mark of Origin** : KUKA

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**ANLAGE (Appendix):** 1.1

**Licensed Test mark:**



TÜV Rheinland (China) Ltd.

Signature

Kenny Shi



**Date of Issue  
(day/mo/yr)**

08/06/2021



# C E R T I F I C A T E

## ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY DIRECTIVE

Technical file of the company mentioned below has been observed and audit has been completed successfully.

2014/ 30/EU Electromagnetic Compatibility Directive has been taken as references for these processes

Company Name : Shanghai KUKA Special Cable Co., Ltd.

Company Address : No.5878, South Ting Road, Shanghai, China

Related Directives and Annex : Electromagnetic Compatibility 2014/30/EU

Related Standards : EN IEC 61000-3-2:2019+A1:2021  
EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022-01  
EN IEC 61000-6-1:2019; EN IEC 61000-6-3:2021

Product Name : Solar cable

Report No and Date : ZTL-2022092601E

Product Brand/Model/Type : H1Z2Z2-K 1.5-240mm<sup>2</sup> , H1Z2Z2-K 2\*1.5-35mm<sup>2</sup> ,  
62930/IEC131 1.5-240mm<sup>2</sup> , 62930/ IEC131 2\*1.5-35mm<sup>2</sup>

Certificate Number : M.2022.206.C77938

Initial Assessment Date : 28.09.2022

Registration Date : 29.09.2022

Reissue Date/No : -

Expiry Date : 28.09.2027

  
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.

The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY

Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76

E-mail: [info@udemltd.com.tr](mailto:info@udemltd.com.tr) [www.udem.com.tr](http://www.udem.com.tr)

