

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50414008

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
L. Z.

Unser Zeichen *Our Reference*  
01-JJX-50163017 002

Ausstellungsdatum  
26.09.2018

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

**Genehmigungsinhaber *License Holder***

LEADER TECHNOLOGY (SHENZHEN)  
CO., LIMITED  
UNIT 04, 7/F, BRIGHT WAY TOWER,  
NO.33 MONG KOK RD  
Hong Kong

**Fertigungsstätte *Manufacturing Plant***

030-0000442296

**Prüfzeichen *Test Mark***



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1419060671

**Geprüft nach *Tested acc. to***

EN 50618:2014

**Zertifiziertes Produkt (Geräteidentifikation)**

*Certified Product (Product Identification)*

**Lizenzentgelte - Einheit**

*License Fee - Unit*

Cable (Cables for Photovoltaic Systems)

Type Designation : H1Z2Z2-K 1X2,5...6mm<sup>2</sup>  
LEADER TECHNOLOGY (SHENZHEN)  
CO., LIMITED

Rated Voltage : DC 1,5kV  
AC 1,0/1,0kV

Ambient Temperature : -40°C to +90°C

Max. Temperature  
at Conductor : 120°C

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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

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com

Fax: +49 221 806-3935 http://www.tuv.com/safety



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50500672

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
L. Z.

Unser Zeichen *Our Reference*  
01-SYF-50082664 013

Ausstellungsdatum *Date of Issue*  
22.07.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
LEADER TECHNOLOGY (SHENZHEN)  
CO., LIMITED  
FLAT/RM 1402B 14/F THE BELGIAN BANK  
NOS.721-725 NATHAN ROAD MONGKOK.KL  
Hong Kong

Fertigungsstätte *Manufacturing Plant*  
040-0002086538

## Prüfzeichen *Test Mark*



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

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

Lizenzentgelte - Einheit  
*License Fee - Unit*

### Cable (Cables for Photovoltaic Systems)

Type Designation	: 62930 IEC 131 1X2,5...35mm <sup>2</sup> HALOGEN FREE LOW SMOKE LEADER	11
Rated Voltage	: DC 1,5kV AC 1,0/1,0kV	
Ambient Temperature	: -40°C to +90°C	
Max. Temperature at Conductor	: 120°C	

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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

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Kenny Shi

LEADER TECHNOLOGY (SHENZHEN)  
CO., LIMITED  
Lily Zou

Date : 22.07.2021  
Our ref. : SYF 01  
Your ref.: L.Z.

FLAT/RM 1402B 14/F THE BELGIAN BANK  
BUILDING  
NOS.721-725 NATHAN ROAD MONGKOK.KL  
Hong Kong

**Ref : R TÜV-Mark Approval**

Type of Equipment : Cables for Photovoltaic Systems  
Model Designation : See Certificate  
Certificate No. : R 50500672 0001  
Report No. : 50082664 013

Dear Lily Zou,

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.

With kind regards,

Certification Body

  
Kenny Shi

Enclosure

证书的详细信息请登录[www.tuvdotcom.com](http://www.tuvdotcom.com)查阅,或拨打我司客服热线800 999 3888 / 400 883 1300咨询

# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
R 50528631

**Blatt Sheet**  
0001

**Ihr Zeichen Client Reference**  
L. Z.

**Unser Zeichen Our Reference**  
01-WJJ-50082664 020

**Ausstellungsdatum Date of Issue**  
08.06.2022 (day/mo/yr)

**Genehmigungsinhaber License Holder**  
LEADER TECHNOLY (SHENZHEN)  
CO., LIMITED  
FLAT/RM 1402B 14/F THE BELGIAN BANK  
NOS.721-725 NATHAN ROAD MONGKOK.KL  
Hong Kong

**Fertigungsstätte Manufacturing Plant**  
040-0002086538

**Prüfzeichen Test Mark**



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1111248566

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

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

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

PV-Cables (Cables for Photovoltaic Systems) <sup>®</sup>

Code Designation : 2361950-EN 8

Type Designation : H1Z2Z2-K  
LEADER TECHNOLY (SHENZHEN)

Scope of Sizes : 2X2,5...10mm<sup>2</sup>

Rated Voltage : DC 1,5kV  
AC 1,0/1,0kV

Ambient Temperature : -40°C to +90°C

Max. Temperature  
at Conductor : 120°C

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Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzlich 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.



**Zertifizierungsstelle**

**Kenny Shi**

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

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



Product Service

# CERTIFICATE

No. B 105361 0003 Rev. 00

**Holder of Certificate:** **LEADER TECHNOLOGY (SHENZHEN) CO., LIMITED**  
 Flat/Rm 1402b 14f  
 The Belgian Bank Building Nos.721-725 Nathan Road  
 999077 KowLoon  
 HONG KONG

**Certification Mark:**



**Product:** **Electric Cables**  
**Electric cables for photovoltaic systems with a voltage rating of 1,5 kV DC**

**Model(s):**  
 62930 IEC 131 1x2.5mm<sup>2</sup>, 1x4mm<sup>2</sup>, 1x6mm<sup>2</sup>, 1x10mm<sup>2</sup>  
 1x16mm<sup>2</sup>, 1x25mm<sup>2</sup>, 1x35mm<sup>2</sup>  
 62930 IEC 131 2x2.5mm<sup>2</sup>, 2x4mm<sup>2</sup>, 2x6mm<sup>2</sup>, 2x10mm<sup>2</sup>  
 2x16mm<sup>2</sup>, 2x25mm<sup>2</sup>, 2x35mm<sup>2</sup>

**Parameters:**

Rated Voltage:	DC 1500V (between conductors and between conductor and earth)
	AC U <sub>0</sub> / U : 1.0/1.0 kV
Application Class:	A
Protection Class:	II
Ambient Temperature:	-40°C ~ +90°C
Max. Temperature at conductor:	120°C

**Tested according to:** IEC 62930(ed.1)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 701262211702-00  
**Valid until:** 2027-07-11

**Date,** 2022-11-17

( Yaqun Alex Liu )

# Certificate of constancy of performance



according to Regulation (EU) No. 305/2011

**Certificate No.:** 1008-CPR-MC 69266496 0001

**Report No.:** HU23VN4S 001

**Applicant:** **Leader Technology (Shenzhen) Co., Limited.**  
Flat/Rm 1402b 14f The Belgian Bank Building Nos. 721-725  
Nathan Road, Mongkok, Hongkong, China

**Manufacturer:** **Leader Technology (Shenzhen) Co., Limited.**  
Flat/Rm 1402b 14f The Belgian Bank Building Nos. 721-725  
Nathan Road, Mongkok, Hongkong, China

**Manufacturing plant:** **Leader Technology (Shenzhen) Co., Limited.**  
No. 24, Hexing Road, Fifth Industrial Zone, Xiegang Town,  
Dongguan Guangdong, P.R. China

**Product:** **Photovoltaic Cable (PV) family**

**Identification:** **H1Z2Z2-K 1×2,5...35 mm<sup>2</sup>**  
Intended use: Cables for Communication Systems  
FPC Report No.: HU233Z3X 001

**System of assessment  
and verification:** 1+

**Tested according to:** EN 50575:2014+A1

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performance described in Annex ZA of the above standard(s) under above system are applied and the product fulfils all the prescribed requirements set out above.  
This certificate was first issued on 2023-01-26 and it will remain valid until the test methods and/or factory production control requirements included in the standard, used to assess the performance of the declared characteristics, and the product, and the manufacturing conditions in the plant are unchanged. The manufacturing plant and factory production control system of the manufacturer is supervised regularly by the Certification Body.

Certification Body

**Date of issue:**  
Budapest, 2023-01-30

  
Ferencne Schmidt

TÜV Rheinland InterCert Kft., Product Certification Body — H-1143 Budapest, Gizella út 51-57. — [www.tuv.com](http://www.tuv.com)  
Notified Body No. 1008

Validity of certificate can be checked on [www.CERTIPEDIA.com](http://www.CERTIPEDIA.com)

Azonosító / Identification	Védjegy / Trade Mark	Tűzvédelmi Osztály / Reaction to Fire classification
H1Z2Z2-K 1×2,5 mm <sup>2</sup>	<b>Leader</b>	C <sub>ca</sub> -s1a,d1,a1
H1Z2Z2-K 1×4 mm <sup>2</sup>	<b>Leader</b>	C <sub>ca</sub> -s1a,d1,a1
H1Z2Z2-K 1×6 mm <sup>2</sup>	<b>Leader</b>	C <sub>ca</sub> -s1a,d1,a1
H1Z2Z2-K 1×10 mm <sup>2</sup>	<b>Leader</b>	C <sub>ca</sub> -s1a,d1,a1
H1Z2Z2-K 1×16 mm <sup>2</sup>	<b>Leader</b>	C <sub>ca</sub> -s1a,d1,a1
H1Z2Z2-K 1×25 mm <sup>2</sup>	<b>Leader</b>	C <sub>ca</sub> -s1a,d1,a1
H1Z2Z2-K 1×35 mm <sup>2</sup>	<b>Leader</b>	B2 <sub>ca</sub> -s1a,d0,a1

**TÜVRheinland**<sup>®</sup>

**Certification Body**

**Date of issue:**

Budapest, 2023-01-30

.....  
Ferencne Schmidt

# CERTIFICATE OF COMPLIANCE

**Certificate Number** E518364  
**Report Reference** E518364-20201019  
**Issue Date** 2020-OCTOBER-19

**Issued to:** LEADER TECHNOLOGY SHENZHEN CO LIMITED  
FLAT/RM 1402B 14/F THE BELGIAN BANK BUILDING  
NOS.721-725 NATHAN ROAD MONGKOK, KL, HONG  
KONG

**This certificate confirms that  
representative samples of**

PHOTOVOLTAIC WIRE  
PV Wire

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:**

UL 4703 - Photovoltaic Wire;  
UL 44 - Thermoset-Insulated Wires and Cables

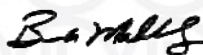
**Additional Information:**

See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>







# ISET S.r.l. Unipersonale

Sede Legale e Uffici

Via Donatori di sangue, 9 - 46024 Moglia (MN)

Tel. e fax +39 (0)376 598963

www.iset-italia.com commerciale1@iset-italia.com

Cap. soc. i.v.

Cod. Fisc. e P.IVA Reg. Imprese

REA

Cap. soc. i.v.

€ 10.200,00

02 332 750 369

02 332 750 369

MN 0221098

## CERTIFICATE

Certificat - Certificado- Сертификат - Zertifikat - 證書

- 1) **APPLICANT:** (who finally puts the product on the market)  
LEADER TECHNOLOGY SHENZHEN CO.,LIMITED  
FLAT/RM1402B,14/F, THE BELGIAN BANK BUILDING NO5.721-725 NATHAN RD, MONGKOK KL, HK
- 2) **CERTIFICATE NO.:** ISETC.000320210409  
**TECHNICAL REFERENCE:** TCF210406186CPR
- 3) **ISET MARK:**



- 4) **CAUTION ABOUT CE MARKING** (Instruction for the Applicant who puts the product on the EU market):



The label of the CE Marking on the left side should be not less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. This one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific Directives or Regulations will be necessary to appoint a Notified Body.

- 5) **TYPE OF PRODUCT:** Solar Pv Cable

**TRADE MARK:** LEADER

**MODEL(S):** LEADER H1Z2Z2-K1\*2.5mm<sup>2</sup>, 1\*4mm<sup>2</sup>, 1\*6mm<sup>2</sup>, 1\*10mm<sup>2</sup>, 1\*16mm<sup>2</sup>,

1\*25mm<sup>2</sup>, 1\*50mm<sup>2</sup>, 2\*2.5mm<sup>2</sup>, 2\*4mm<sup>2</sup>, 2\*6mm<sup>2</sup>, 2\*10mm<sup>2</sup>, DC1500V/AC1000V

- 6) **LIST OF DIRECTIVES / REGULATIONS /STANDARDS** (as declared by the manufacturer itself)

Construction products Regulation (EU) No 305/2011

EN 50575:2014+A1:2016

- 7) **NOTE:** This document is not referred to any evaluation that could be considered as included in the scope of the activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.

- 8) **REMARK:** Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use and affix the ISET Mark on their products, even if it doesn't imply any assessment on the safety and compliance of the product. ISET declares that the only scope of the assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.

- 9) **DATE OF ISSUE:** 09/04/2021

- 10) **SIGNATURE:** Xiao Ming

(On behalf of the Legal representative)



**EXPIRY DATE:** 08/04/2026