

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50483201

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
T.C.H.

Unser Zeichen *Our Reference*  
01-SYF-50420182 001

Ausstellungsdatum *Date of Issue*  
12.10.2020 (day/mo/yr)

**Genehmigungsinhaber *License Holder***

Hong Tai Electric Industrial  
Co. Ltd.  
2 Kuo-Chien 1st Rd, Kuanyin District  
Taoyuan  
Taiwan

**Fertigungsstätte *Manufacturing Plant***

Hong Tai Electric Industrial  
Co. Ltd.  
2 Kuo-Chien 1st Rd, Kuanyin District,  
Taoyuan  
Taiwan

**Prüfzeichen *Test Mark***



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 : 2039438  
Code Designation : H1Z2Z2-K  
Hong Tai Electric Industrial  
Co., Ltd.  
Scope of Size : 1X1,5...240mm<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

18

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

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

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50483196

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
T.C.H.

Unser Zeichen *Our Reference*  
01-SYF-50420181 001

Ausstellungsdatum *Date of Issue*  
12.10.2020 (day/mo/yr)

**Genehmigungsinhaber *License Holder***

Hong Tai Electric Industrial  
Co. Ltd.  
2 Kuo-Chien 1st Rd, Kuanyin District  
Taoyuan  
Taiwan

**Fertigungsstätte *Manufacturing Plant***

Hong Tai Electric Industrial  
Co. Ltd.  
2 Kuo-Chien 1st Rd, Kuanyin District,  
Taoyuan  
Taiwan

**Prüfzeichen *Test Mark***



Type Approved  
Safety  
Regular Production  
Surveillance  
[www.tuv.com](http://www.tuv.com)  
ID 1111230703

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 : 2039438 18  
Code Designation : 62930 IEC 131  
Hong Tai Electric Industrial  
Co., Ltd.  
Additional marking : HALOGEN FREE LOW SMOKE  
Scope of Size : 1X1,5...300mm<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

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

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

# Certificate



Certificate no.

TA 50395727 02

**License Holder:**

Hong Tai Electric Industrial  
Co. Ltd.  
2 Kuo-Chien 1st Rd,  
Kuanyin District,  
Taoyuan  
Taiwan

**Manufacturing Plant:**

Hong Tai Electric Industrial  
Co. Ltd.  
2 Kuo-Chien 1st Rd,  
Kuanyin District,  
Taoyuan  
Taiwan

Test report no.: ZTW1-FK 50110859 003

Client Reference: 238064381

Tested to: 2 PFG 1169/08.07

非經授權

Certified Product: (Cables for Photovoltaic-Systems)

License Fee - Units

as page 01

Change

License Holder : see above

License Validation : see below

投標無效

Remark : This certificate is valid for maximum 5 years.

Appendix: 1.0

Licensed Test mark:



Regular  
Production  
Surveillance

www.tuv.com  
ID 1419053690

TÜV Rheinland Taiwan Ltd

Signature



Dipl.-Ing. Th. Illing

Date of Issue

(day/mo/yr)

09/02/2023

# CERTIFICATE OF COMPLIANCE

**Certificate Number** E344945  
**Report Reference** E344945-20191210  
**Issue Date** 2020-JANUARY-02

**Issued to:** HONG TAI ELECTRIC INDUSTRIAL CO LTD  
2 Kuo-Chien 1st Rd  
Kuanyin District  
Taoyuan  
32844 TAIWAN

This certificate confirms that **PHOTOVOLTAIC WIRE**  
representative samples of **Photovoltaic Wire, Type PV.**

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.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.



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/>

