

EN H1Z2Z2-K
UL PV 1000/2000V

双认证
Dual Certification

产品认证 Approvals

TÜV 莱茵/德凯/UL1000/2000V

EN 50618-2014/UL4703 H1Z2Z2-K/PV 1×1.5mm²~35mm²(16-2AWG)

TÜV Rheinland/Dekra/UL1000/2000V

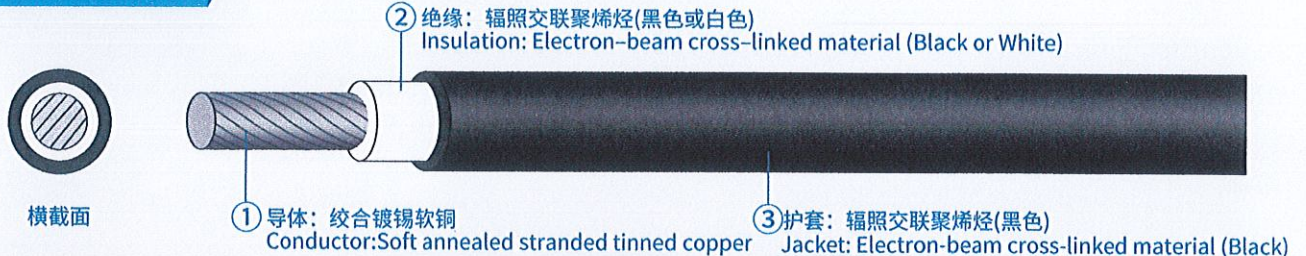
EN 50618-2014/UL4703 H1Z2Z2-K/PV 1×1.5mm²~35mm²(16-2AWG)



• BAUART
GEPRÜFT
• TYPE
APPROVED



线缆结构 Composition Of Cable



导体横截面 Cross Section (mm ² /AWG)	导体结构 Conductor Construction (n/mm)	导体绞合外径 Conductor Stranded OD. (mm)	成品外径 Cable OD. (mm)	导体直流电阻(镀锡铜:Tinned copper) Conductor Max. Resistance AT 20°C (Ω/km)	载流量 Current Carrying Capacity AT 60°C (A)
2.5mm ² /14#	47/0.25	1.98	5.90	8.21	41
4mm ² /12#	52/0.3	2.35	6.40	5.09	55
6mm ² /10#	78/0.3	3.06	7.00	3.39	70
10mm ² /8#	84/0.4	4.23	8.80	1.95	98
35mm ² /2#	276/0.4	8.30	14.00	0.565	218

此载流量为电缆单根敷设于空气中的情况。The current-carrying capacity is under the situation of laying the single cable in air.

印字 Marking (4mm²/12#)

(UL) E332548 PV WIRE 12AWG 90°C WET OR DRY 1000 OR 2000V SUN RES -40°C ▲ TÜV EN 50618 H1Z2Z2-K 1×4.0mm² WUXI XINHONGYE WIRE & CABLE CO., LTD R50311889

技术参数 Technical Data

额定电压 Nominal voltage	直流: 1.5KV 交流: 1.0/1.0KV	DC: 1.5KV AC: 1.0/1.0KV
成品电压测试 Voltage test on completed cable	交流: 6.5KV 直流: 15KV, 5min UL=1000V/2000V 16-10AWG 交流: 3KV 8-2AWG 交流: 3.5KV	AC: 6.5KV, DC: 15KV, 5min UL=1000V/2000V 16-10AWG AC: 3KV 8-2AWG AC: 3.5KV
环境温度 Ambient temperature	最高环境温度90°C 最低安装和处置温度-25°C 最高存储温度+40°C	Max. ambient temperature: 90°C Min. temperature for installation and handling: -25°C Max. storage temperature: +40°C
热寿命试验 Thermal endurance properties	120°C, 20000h, 断裂伸长率≥50%	120°C, 20000h, elongation at break≥50%
参考短路允许温度 Refer to short circuit allows the temperature	250°C, 5秒	The permitted short-circuit-temperayure is 250°C referring to a period of 5s
成品电缆烟密度试验 Smoke emission of complete cable	EN61034-2	EN61034-2
阻燃测试 Test under fire conditions	EN60332-1-2/UL2556 VW-1	EN60332-1-2/UL2556 VW-1
动态穿透试验 Dynamic penetration test	EN50618	EN50618
耐酸碱测试 Resistance against acid and alkaline solution	EN60811-404	EN60811-404
冷弯试验 Cold bending test	EN60811-504	EN60811-504
耐日光测试 Weathering/UV-resistance	EN50618	EN50618
无卤测试 Assessment of halogen	EN50525-1	EN50525-1

CERTIFICATE OF COMPLIANCE

Certificate Number 20141213-E332548
Report Reference E332548-20100108
Issue Date 2014-DECEMBER-13

Issued to: WUXI XINHONGYE WIRE & CABLE CO LTD
39 NANZHAN ECONOMIC DEVELOPMENT ZONE
1899 JIANGHAI EAST RD
WUXI JIANGSU 214027 CHINA

This is to certify that representative samples of PHOTOVOLTAIC WIRE
Photovoltaic Wire, Type PV

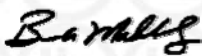
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Outline of Investigation for Photovoltaic Wire - Subject 4703.
Thermoset-Insulated Wires and Cables - UL 44.

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

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Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50311889

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0001

Ihr Zeichen *Client Reference*
G.Y.

Unser Zeichen *Our Reference*
01-JJX- 15083539 001

Ausstellungsdatum
10.10.2015

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Wuxi Xinhongye Wire & Cable
Co., Ltd.
No. 17 Hexin Road, Xishan District
Wuxi, Jiangsu 214101
P.R. China

Fertigungsstätte *Manufacturing Plant*

Wuxi Xinhongye Wire & Cable
Co., Ltd.
No. 17 Hexin Road, Xishan District
Wuxi, Jiangsu 214101
P.R. China

Prüfzeichen *Test Mark*

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



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

Lizenzentgelte - Einheit
License Fee - Unit

PV-Leitungen (Electric Cables for Photovoltaic Systems)

Type Designation : H1Z2Z2-K 1X1,5...35mm² 12
WUXI XINHONGYE WIRE & CABLE CO., LTD

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

Ambient Temperature : -40°C to +90°C

Max. Temperature
at Conductor : 120°C

The labelling requirements acc. to EU Directive 2001/95
have to be observed for distribution within the EEA.

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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
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Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Zertifizierungsstelle

