

SPECIFICATION

PRODUCT NAME	H1Z2Z2-K	DOCUMEN NO	PNTK-IE-003
SIZE	1×4mm ²	Signature and seal of	If you do not sign back, this specification is used by default.
SECTIONAL DRAWING	 		

STANDARD BASIS EN50618:2014

MARKING	PNTech TUV EN50618:2014 H1Z2Z2-K 1×4.0mm ² AC1.0/1.0KV DC1.5KV ZHEJIANG PNTech TECHNOLOGY CO.,LTD.		
CONDUCTOR	MATERIAL		Tinned plated copper
	CONSTRUCTION	N/mm	TS 56/0.285±0.015
	DIA	mm	2.4
INSULATION	MATERIAL		XLPO
	OVER DIAMEREDR	mm	3.8±0.1
	AVG. THICK	mm	≥0.7
	MIN. THICK	mm	≥0.53
	COLOR		Upon customer's request
SHEATH	MATERIAL		XLPO
	OVER DIAMEREDR	mm	5.5±0.2
	AVG. THICK	mm	≥0.8
	MIN. THICK	mm	≥0.58
	COLOR		Upon customer's request
ELECTRICAL PERFORMANCE	RATED VOLTAGE	V	AC1.0/1.0KV DC1.5KV
	RATED TEMP	°C	-40°C—90°C
	COND. RESISTANCE	Ω /km,20°C	≤5.09
	INSU. RESISTANCE	M Ω.km, 20°C	≥709
	VOITAGE WITH STAND TEST		AC6.5KV/DC15KV,5min
	SPARK ELECTROMECHANICAL VOLTAGE	KV	7
	SHORT-CIRCUIT TEMPERATURE		≤200°C/5s
PHYSICAL PROPERTY OF INSULATION	MIN TENSILE STRENGTH	N/mm ²	≥8.0
	MIN BREAK ELONGATION RATE	%	≥125
	FLAME TEST		EN60332-1-2
	THEORETICAL SERVICE LIFE	years	25
	ENVIRON MENT PROECTION		ROHS2.0
Packing specification	Packing quantity: 100m, 250m, 500m, 1000m, 2500m, 5000m		

PREPARED: Guangyao Chen

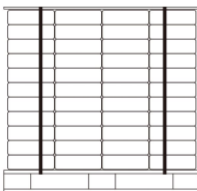
CHECKED: Youdong Hu

APPROVED: Yulan Wei

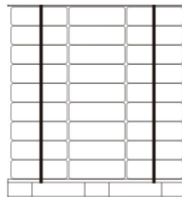
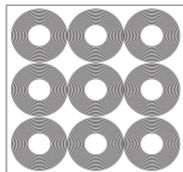
Packaging

PRODUCT NAME		H1Z2Z2-K	DOCUMEN NO	PNTK-IE-003
Model	Length(m)		Weight(KG)	Packaging size (cm)
1×4mm ² /Roll	100		5.6	25*10
1×4mm ² /Roll	250		13.8	33*10
1×4mm ² /Roll	500		27.8	33*22
1×4mm ² /Drum	500		28	36*28
1×4mm ² /Drum	1000		56	44*36
1×4mm ² /Drum	2500		140	54*51
1×4mm ² /Drum	5000		280	75*58

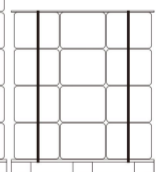
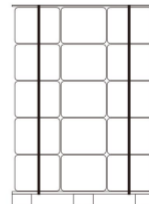
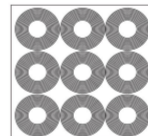
Packing Diagram



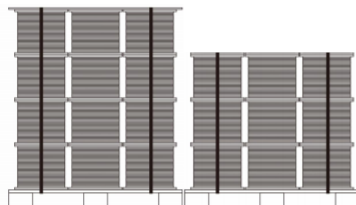
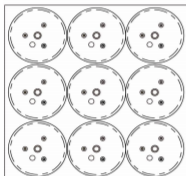
100m/Roll
20FT:20PalletS
(3520Rolls/352000M)
40FT:28PalletS
(4928Rolls/492800M)



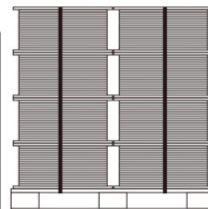
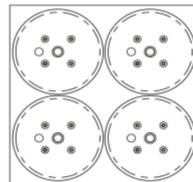
250m/Roll
20FT:20PalletS
(1620Rolls/405000M)
40FT:25PalletS
(2025Rolls/506250M)



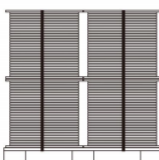
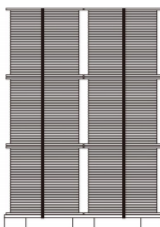
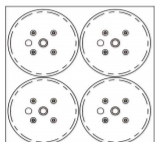
500m/Roll
20FT:20PalletS (810Rolls/405000M)
40FT:22PalletS (990Rolls/495000M)



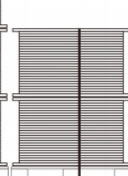
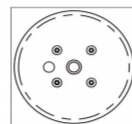
500m/Drum
20FT:20PalletS (630Drums/315000M)
40FT:32PalletS (864Drums/432000M)



1000m/Drum
20FT:20PalletS
(280Drums/280000M)
40FT:24PalletS
(432Drums/432000M)



2500m/Drum
20FT:10PalletS (120Drums/300000M)
40FT:20PalletS (160Drums/400000M)



5000m/Drum
20FT:21PalletS (63Drums/315000M)
40FT:28PalletS (80Drums/400000M)

The specific packaging method depends on the actual situation



ZHEJIANG PNTECH TECHNOLOGY CO.,LTD.

Packaging

PRODUCT NAME

H1Z2Z2-K

DOCUMEN NO

PNTK-IE-003

Ways of Packing



100m/Roll



250m/Roll



500m/Roll



500m/Drum



1000m/Drum

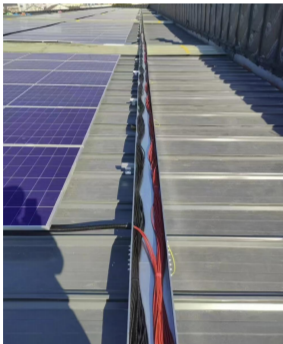


2500m/Drum



5000m/Drum

Application scenario



Cable laying



Self Built Houses in



Array Power Station



BIPV Building



Industrial and



Agriculture, fishing and



Optical Storage

CERTIFICATE

of Conformity

Low Voltage Directive (EU) 2014/35

Registration No.: AN 50686514 0001
Report No.: CN23870S 002
Holder: ZHEJIANG PNTECH TECHNOLOGY CO., LTD
Wanzhong Village,
Jishigang Town, Haishu District,
Ningbo City,
315012 Zhejiang
P.R. China
Product: Cables / Wires
(Electric Cables)

Type designation and serial number are listed on the next page(s)

This certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive (EU) 2014/35, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Date: 2025-07-22

Certification Body


Kenny Shi



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

The CE marking may be used if all relevant and effective EC Directives/Regulations are complied with.

CERTIFICATE

of Conformity

Low Voltage Directive (EU) 2014/35

Registration No.: AN 50686514 0001

Product: Cables / Wires
(Electric Cables)

Identification: Type Designation
H1Z2Z2-K 1X2,5...16mm²
H1Z2Z2-K 2X2,5...16mm²

Serial No.:
Engineering Sample

Remark:
1)Refer to test report CN23870S 002 for details.
2)Certificate AN 50686514 0001 replaces AN 50598865 0001.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

The CE marking may be used if all relevant and effective EC Directives/Regulations are complied with.



Product Service

CERTIFICATE

No. B 121070 0001 Rev. 01

Holder of Certificate: **Zhejiang Pntech Technology Co., Ltd.**

Wanzhong Village, Jishigang Town
Haishu District
315000 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

Electric Cables

Electric cables for photovoltaic systems

Model(s):

H1Z2Z2-K

**1×1.5mm², 1×2.5mm², 1×4mm², 1×6mm²
1×10mm², 1×16mm², 1×25mm²**

Parameters:

Rated Voltage: DC 1.5 kV
AC U₀/U: 1.0/1.0 kV
Class(IEC 61140): II
Ambient Temperature: -40°C ~+90°C
Max. Temperature at conductor: 120°C

Tested according to: EN 50618:2014

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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.:

704071733201-02

Valid until:

2030-07-15

Date, 2025-07-16

(Yaqun Alex Liu)