

Ningbo Guangzhixing Photovoltaic
Technology Co., Ltd.
Chen Shi'ang

Date : 10.05.2016
Our ref. : TKQ 01
Your ref.: C.S.A.

No.28, Binhai 5th Road,
Hangzhou Bay New District
Ningbo, Zhejiang 315336
P.R. China

Ref : R TÜV-Mark Approval

Type of Equipment : Connector for Photovoltaic System
Model Designation : See Certificate
Certificate No. : R 50334058 0001
Report No. : 15094856 001

Dear Chen Shi'ang,

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


Dipl.-Ing. (FH) Bernd Scheirer

Enclosure

证书的详细资料请登陆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 50334058

Blatt *Page*
0001

Ihr Zeichen *Client Reference*
C.S.A.

Unser Zeichen *Our Reference*
01-TKQ-15094856 001

Ausstellungsdatum *Date of Issue*
10.05.2016
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Ningbo Guangzhixing Photovoltaic
Technology Co., Ltd.
No.28, Binhai 5th Road,
Hangzhou Bay New District
Ningbo, Zhejiang 315336
P.R. China

Fertigungsstätte *Manufacturing Plant*

Ningbo Guangzhixing Photovoltaic
Technology Co., Ltd.
No.28, Binhai 5th Road,
Hangzhou Bay New District
Ningbo, Zhejiang 315336
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1419032928

Geprüft nach *Tested acc. to*
IEC 62852:2014

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Steckverbinder (Connector for Photovoltaic System)

Type Designation : PV-GZX1500 (GZX) 5
Rated Voltage : 1500VDC
Rated Current : 30A
Ambient Temperature : -40°C to +85°C
Upper Limit Temperature: 100°C
Cross Section Range : 1 x 4,0mm²
Protection Degree : IP67
Application Class : Class A

Remark: 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

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



Dipl.-Ing. (FH) Bernd Scheirer

Produktsicherheit und –qualität <i>Product Safety and Quality</i>		 TÜVRheinland® Precisely Right.
Certificate No. R 50334058 0001	Our Reference 01-TKQ-15094856 001	Appendix No. 1.0
Constructional Data Form (CDF)		page 1 of 2

xLicense holder : Ningbo Guangzhixing Photovoltaic Technology Co., Ltd.
(full address) No.28, Binhai 5th Road, Hangzhou Bay New District, Ningbo, Zhejiang 315336, P.R. China
Production factory..... : Ningbo Guangzhixing Photovoltaic Technology Co., Ltd.
(full address) No.28, Binhai 5th Road, Hangzhou Bay New District, Ningbo, Zhejiang 315336, P.R. China
Type of appliance : Connector for Photovoltaic System
Trademark : GZX
Type name or model no. : PV-GZX1500
Rated voltage : 1500VDC
Rated impulse voltage..... : 16kV
Rated insulation voltage..... : 8kV
Rated current..... : 30A
Standard : IEC62852:2014
Application class..... : Class A / ~~B~~ / ~~C~~
Protection class : Class II
Existence of an enclosure : Enclosed connector
Design of the connector : Free connector
Pollution degree..... : ~~1~~ / 2 / ~~3~~ / 4
Over voltage category : ~~I~~ / II / III / ~~IV~~
Operating cycles..... : ~~50~~ / 100 / ~~500~~ / ~~1000~~ / 2000 / ~~5000~~
Bendings..... : 100 / 500 / 1000 / 2000 / 5000 / 20000
Lower ambient temperature : -40 °C
Upper ambient temperature : +85 °C
Upper limit Temperature..... : 100 °C
Type of conductor..... : Flexible
Termination and connection..... : Crimped connection
Values for cable clamp : 6,10±0,15mm with cable certified by TUV(R50302047)
Number of poles : 1
Wire cross section area or cross section range : 1 x 4,0mm²
Degree of protection..... : IP67

TÜV Rheinland Group


26.04.2016

John Tie

Date

Name


Signature

Produktsicherheit und –qualität <i>Product Safety and Quality</i>	 TÜVRheinland® Precisely Right.	
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Constructional Data Form (CDF)		page 2 of 2

Rewirable: Yes/ No

Additional characteristics.....: Connector with cable clamp

(Optional) Accessories: N/A

Additional Information (e.g. system configuration, difference between models, construction materials, output voltage, etc.)

Attachments: Data-Sheets of critical components

List of Critical Components

Ref.	Object / Part No.	Manufacturer	Type	Technical data	Approval
1.0	Insulation Material	ASAHI KASEI CHEMICALS CORP XYRON POLYMER	m-PPE, PV40Z(f1)	UL94 V-0	E82268
2.0	Carry Current Part	Ningbo GZX PV Technology Co.,Ltd.	T2	Tin-plated	//
3.0	Metal Ring on Carry Current Part for Fixing	Ningbo GZX PV Technology Co.,Ltd.	65Mn	//	//
4.0	Sealing Gasket	DONGJUE SILICONE (NANJING) CO., LTD	Silicon Rubber	Φ(5,5-7) x 11mm	//
5.0	Cable Clamp	BASF SE	PA66, A3XZG5 (f1)	UL94 V-0	E41871
6.0	O Sealing Ring	DONGJUE SILICONE (NANJING) CO., LTD	Silicon Rubber	Φ1,5 x 10mm	//
7.0	Screw Cap	BASF SE	PA66, A3XZG5 (f1)	UL94 V-0	E41871
8.0	PV Cable	Ningbo Kibor Wire&Cable Co., Ltd.	H1Z2Z2-K 1 x 2,5... 4,0mm ²	1 x 4,0mm ²	TUV R 50302047
9.0	Optional (“+” and “-”)	Hangzhou Liguan Technology Co., Ltd.	//	44mm x 15mm	//
	Optional (warning Symbol)	Hangzhou Liguan Technology Co., Ltd.	//	48mm x 20mm	//

TÜV Rheinland Group

26.04.2016

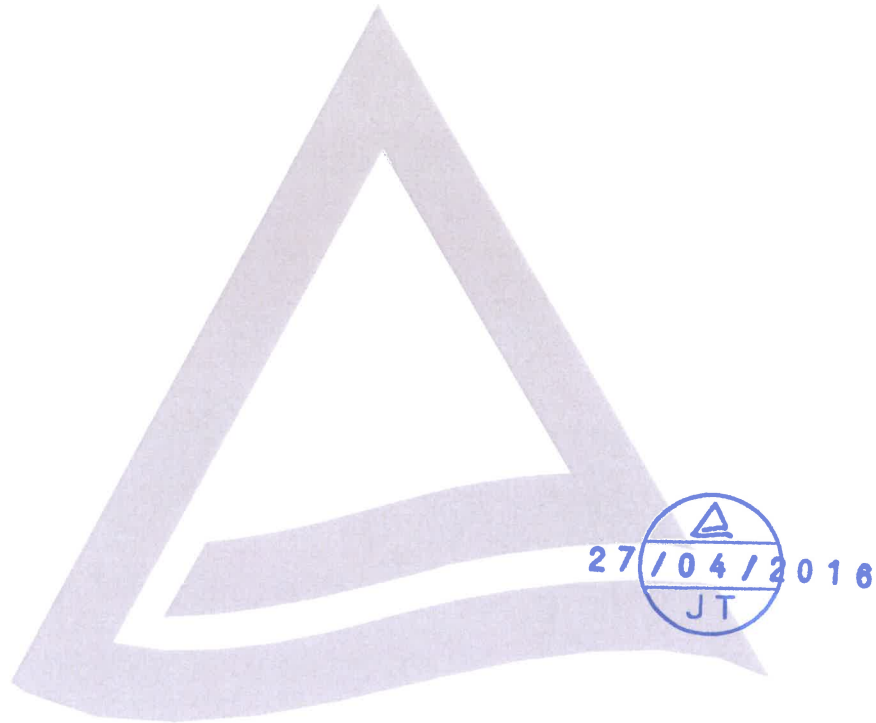
John Tie

Date

Name


Signature

PHOTO DOCUMENTATION
15094856 001
for
**Junction Box for PV Module
PV-GZX1500**
Ningbo Guangzhixing Photovoltaic Technology Co., Ltd.



This documentation consists of 8 pages (excluding this cover page).

Report Number: 15094856 001

Model: PV-GZX1500



27/04/2016
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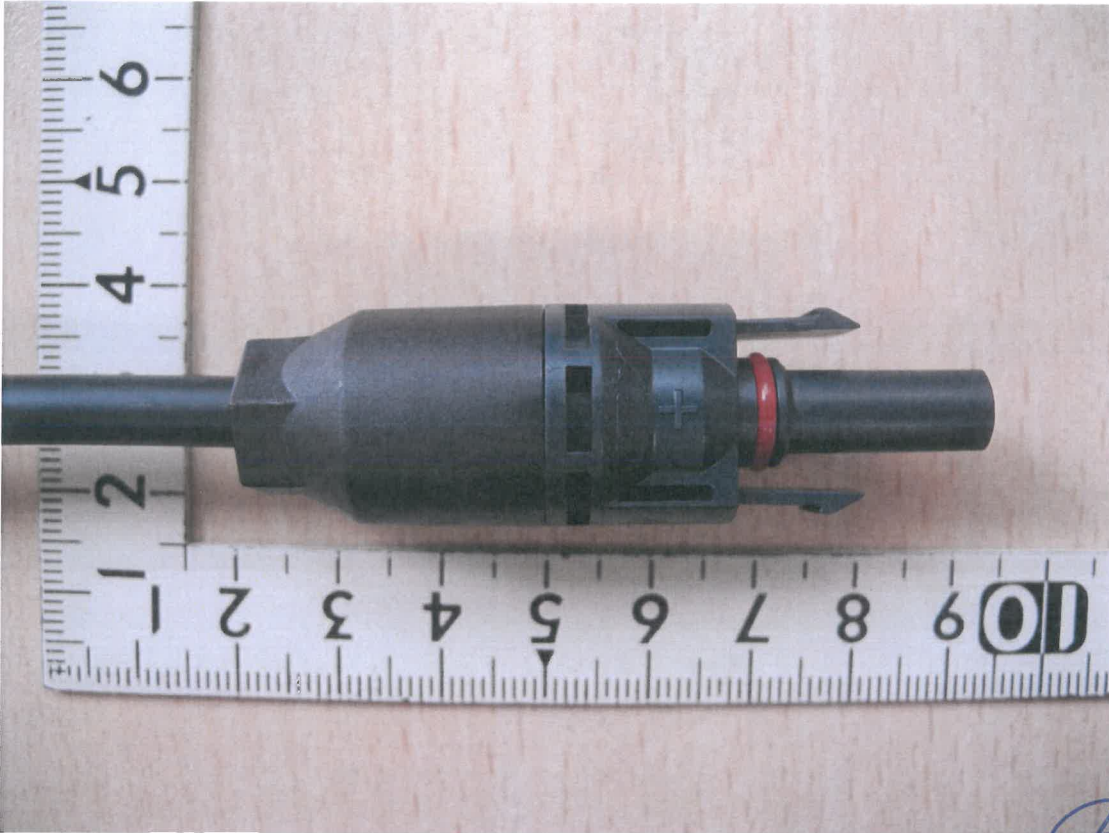


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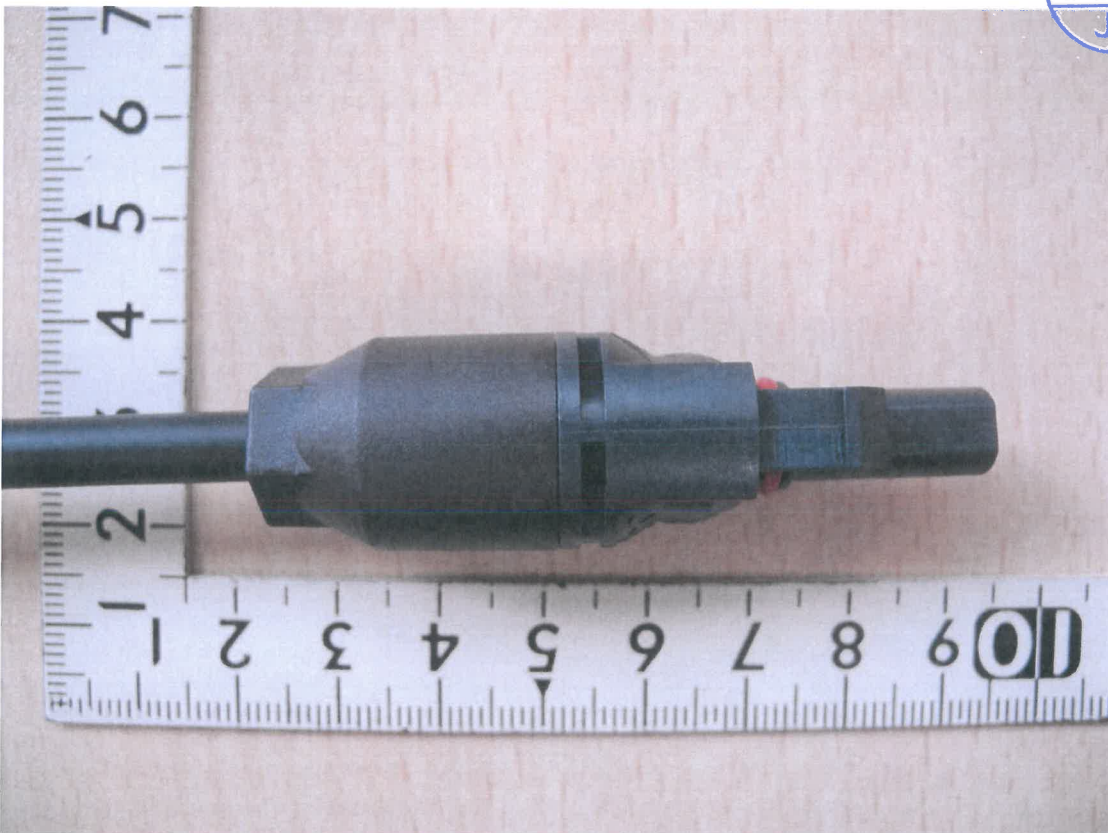


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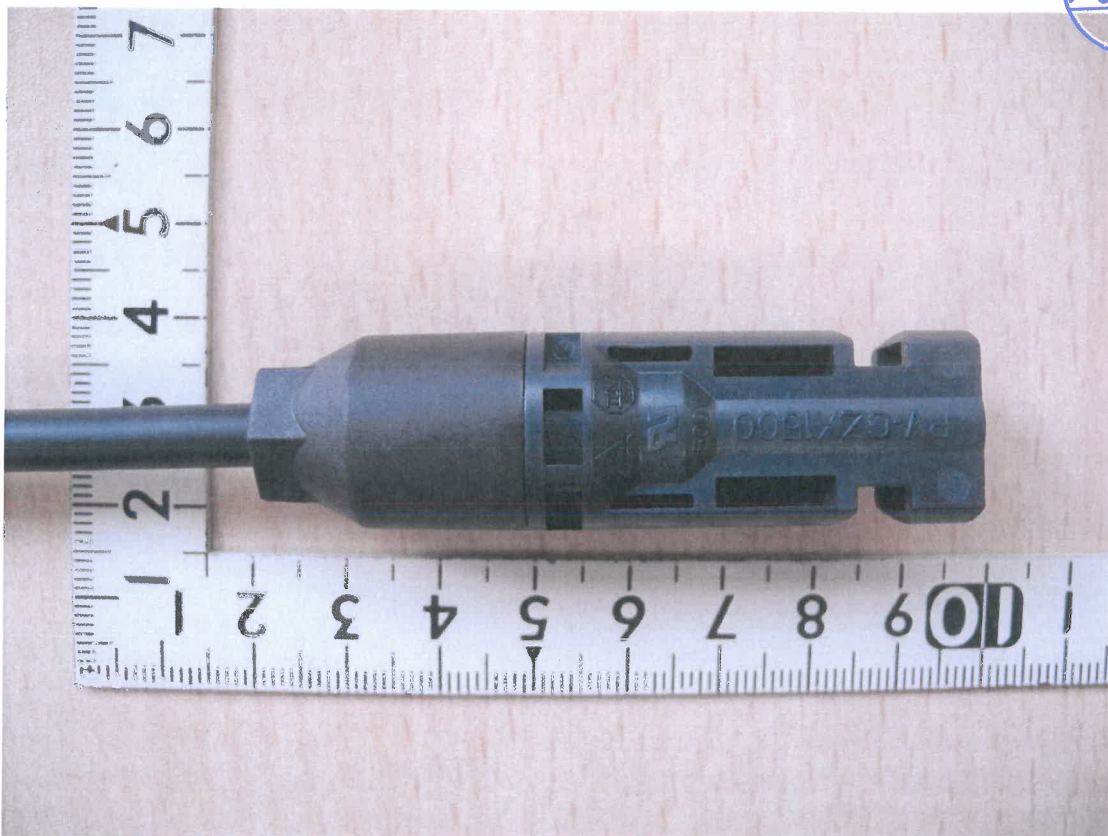


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Model: PV-GZX1500



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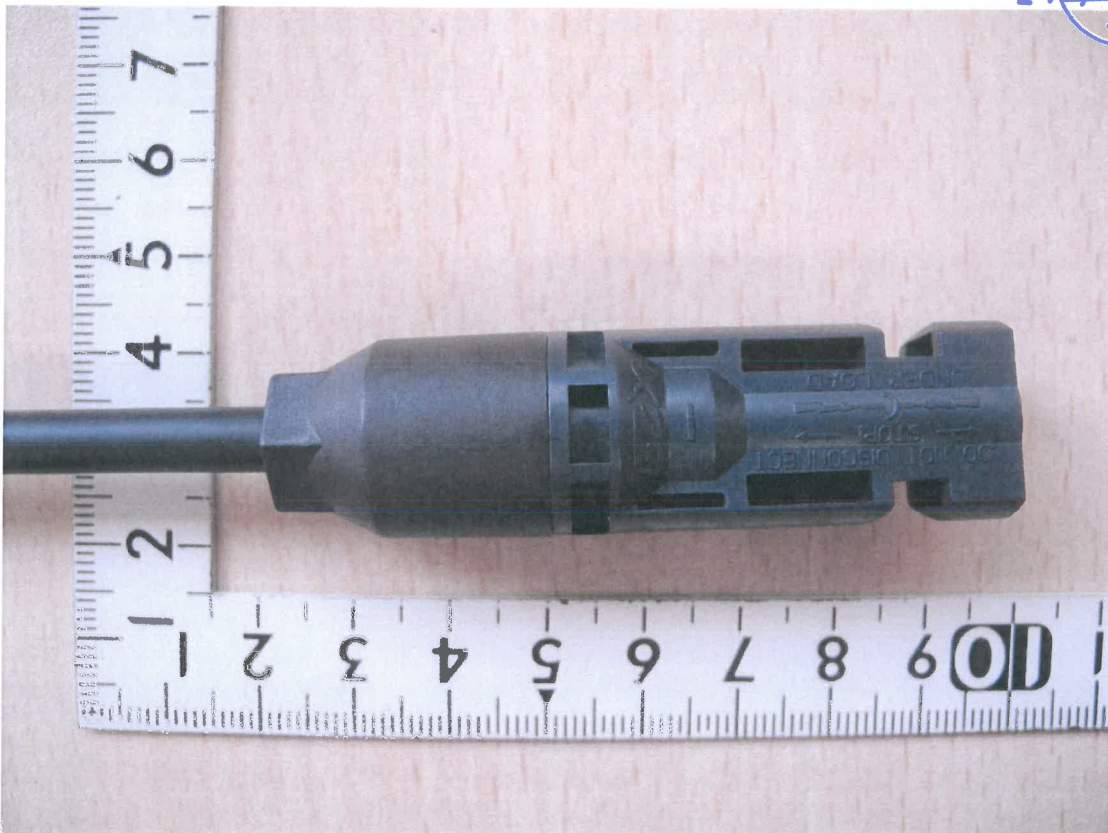


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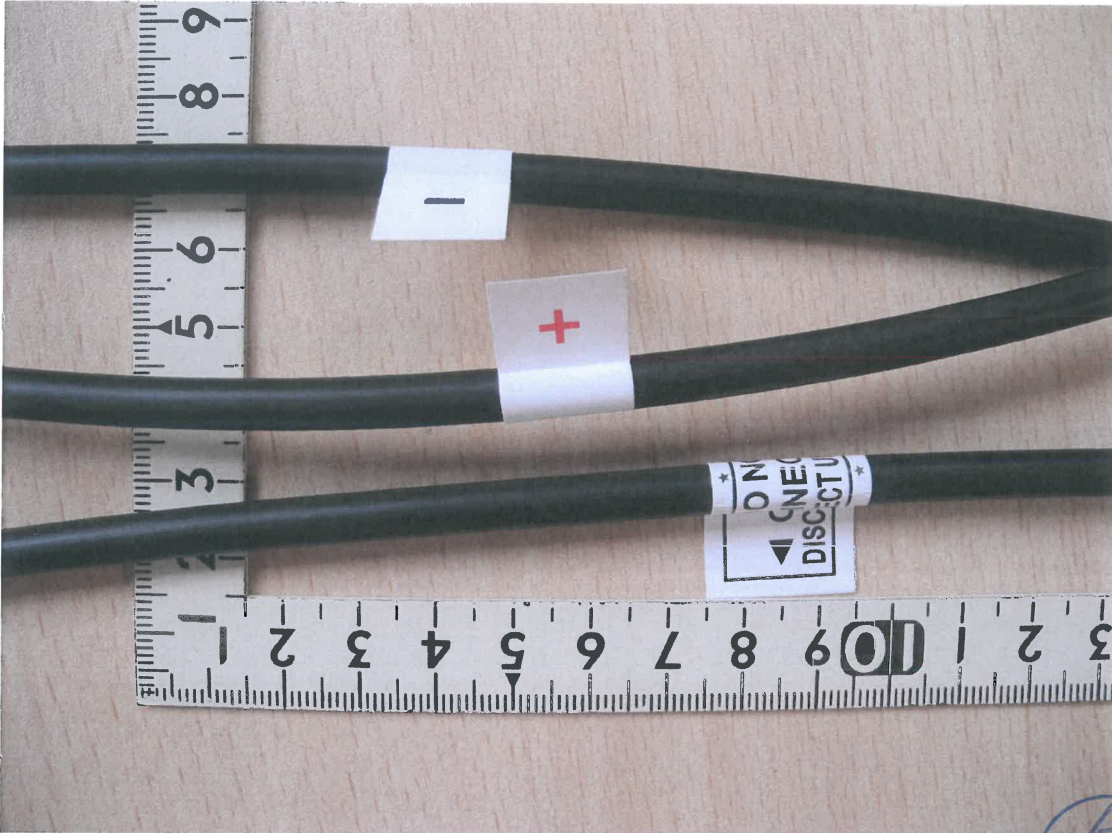


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