SINGDER

Shenzhen Singder Insulation Materials Co., Ltd.
Dongguan XSD Cable Technology Co., Ltd.

Focusing on wires, cables and cable assembly



COMPANY PROFILE

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02 Product Introduction

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SINGDER

01

Company Profile

Introduction

SINGDER

- Since our establishment in 2013, XSD Cable has been one of the professional manufacturer in the field of wire and cable. We are an one-stop solution provider for wires, cables, cable assembly.
- We are now serving a wide range of market segments includes: new energy application, industrial application, home appliance and equipment, automobile application, robotic application, etc.
- XSD has been certified by UL, cUL, VDE, CE and CCC, and Quality System is in accordance with ISO 9001 and IATF 16949. Offering superior service to achieve your project is our goal.



Development Milestone

SINGDER

2013
SINGDER was established in Shenzhen

2014
Get through of supply chain and sales channel in industry

2016
Expanding of engineering technician and improvement of the quality management system

2017
Foundation of Dongguan XSD Cable in Dongguan city

2018
The annual sales shows continue growth every year

2019
Expanded sales network from domestic to abroad

2020
Obtained IATF 16949:2016 Quality Management System Certification

2021
Development of new technologies and new product lines, equipment and certification

2023
Enlarged the scale of company and located in a new facility in order to expand our business and service.



Quality System

IATF 16949 approved

ISO 9001:2015 approved

Compliance with REACH & RoHS

Quality Policy:

People-oriented

Customer Satisfaction

Continuous Improvement

Sustainable Operation



NOA

QUALITY MANAGEMENT SYSTEM CERTIFICATE

This is to Certify that the QUALITY MANAGEMENT SYSTEM of

Dongguan XSD Cable Technology Co., Ltd.

Registered Address: No.1, Hengli Chongde Road, Hengli Town, Dongguan, Guangdong, China.

Audit Address: No.1, Hengli Chongde Road, Hengli Town, Dongguan, Guangdong, China.

has been assessed by NOA Certification and found to comply with

GB/T 19001-2016 idt ISO9001:2015

for the scope of

Production of wires and cables
(Code: 19)

Certificate Number: NOA2312096
Unified Social Credit Code: 91441900MA52NE5J9B
Initial Certification Date: 10 Oct. 2023

Surveillance Audit Pass Label: Surveillance 1 Audit Pass Label | Surveillance 2 Audit Pass Label | Surveillance 3 Audit Pass Label

Certification Manager

Certificate Issue Date: 10 Oct. 2023 Certificate Expiry Date: 09 Oct. 2026

NOA Testing & Certification Group Ltd.



AENOR

IATF 16949 Certificate

AENOR QUALITY IN AUTOMOTIVE SECTOR IATF 16949

RA02-0106/2024
IATF: 0500176

AENOR certifies that the organization

DONGGUAN XSD CABLE TECHNOLOGY CO,LTD

has a quality management system according to the IATF 16949:2016 Standard

At the following site of production: NO. 1-1 HENGLI CHONGDE ROAD, HENGLI TOWN. 523475 - DONGGUAN (GUANGDONG - China)
IATF USI: GRENMP

For the following activities: Production of wires
Exclusion: Product design
Remote location: See Annex

First Issued on: 2024-02-05
Validity date: 2027-02-04

Rafael GARCÍA MEIRO
CEO

AENOR CONFIA, S.A.U.
Génova, 6. 28004 Madrid. España

Page 1 of 2



SGS

Test Report (SVHC) No. CANML1926166201 Date: 07 Jan 2020 Page 1 of 19

SHENZHEN SINGDER INSULATION MATERIALS CO.,LTD
510, NEW INDUSTRIAL ZONE, LIGUANG COMMUNITY, GUANLAN STREET, LONGHUA NEW DISTRICT, SHENZHEN

The following sample(s) was/were submitted and identified on behalf of the clients as : Insulated Wire

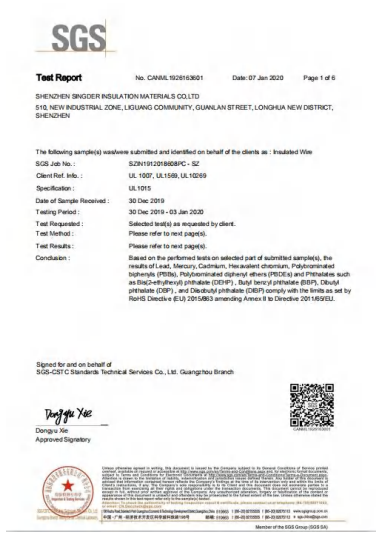
SGS Job No.: SZIN1912018009PC - SZ
Client Ref. Info. : UL 1007, UL1569, UL1Q269
Specification : UL1015
Date of Sample Received : 30 Dec 2019
Testing Period : 30 Dec 2019 - 06 Jan 2020
Test Requested : As requested by client, SVHC screening is performed according to: (i) Two hundred and one (201) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jul 16, 2019 regarding Regulation (EC) No 1907/2006 concerning the REACH. (ii) Four (4) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on, Sep 3, 2019 regarding Regulation (EC) No 1907/2006 concerning the REACH.
Test Results : Please refer to next page(s).

Summary :

According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the selected part of submitted sample.	PASS

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Dongyu Xie
Approved Signatory



SGS

Test Report No. CANML1926163601 Date: 07 Jan 2020 Page 1 of 6

SHENZHEN SINGDER INSULATION MATERIALS CO.,LTD
510, NEW INDUSTRIAL ZONE, LIGUANG COMMUNITY, GUANLAN STREET, LONGHUA NEW DISTRICT, SHENZHEN

The following sample(s) was/were submitted and identified on behalf of the clients as : Insulated Wire

SGS Job No. : SZIN1912018608PC - SZ
Client Ref. Info. : UL 1007, UL1569, UL1Q269
Specification : UL1015
Date of Sample Received : 30 Dec 2019
Testing Period : 30 Dec 2019 - 03 Jan 2020
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).
Conclusion : Based on the performed tests on selected part of submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Dongyu Xie
Approved Signatory



SGS

Test Report (SVHC) No. CANML1926166201 Date: 07 Jan 2020 Page 1 of 19

SHENZHEN SINGDER INSULATION MATERIALS CO.,LTD
510, NEW INDUSTRIAL ZONE, LIGUANG COMMUNITY, GUANLAN STREET, LONGHUA NEW DISTRICT, SHENZHEN

The following sample(s) was/were submitted and identified on behalf of the clients as : Insulated Wire

SGS Job No. : SZIN1912018601PC - SZ
Client Ref. Info. : UL 1007, UL1569, UL1Q269
Specification : UL1015
Date of Sample Received : 30 Dec 2019
Testing Period : 30 Dec 2019 - 06 Jan 2020
Test Requested : As requested by client, SVHC screening is performed according to: (i) Two hundred and one (201) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jul 16, 2019 regarding Regulation (EC) No 1907/2006 concerning the REACH. (ii) Four (4) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on, Sep 3, 2019 regarding Regulation (EC) No 1907/2006 concerning the REACH.
Test Results : Please refer to next page(s).

Summary :

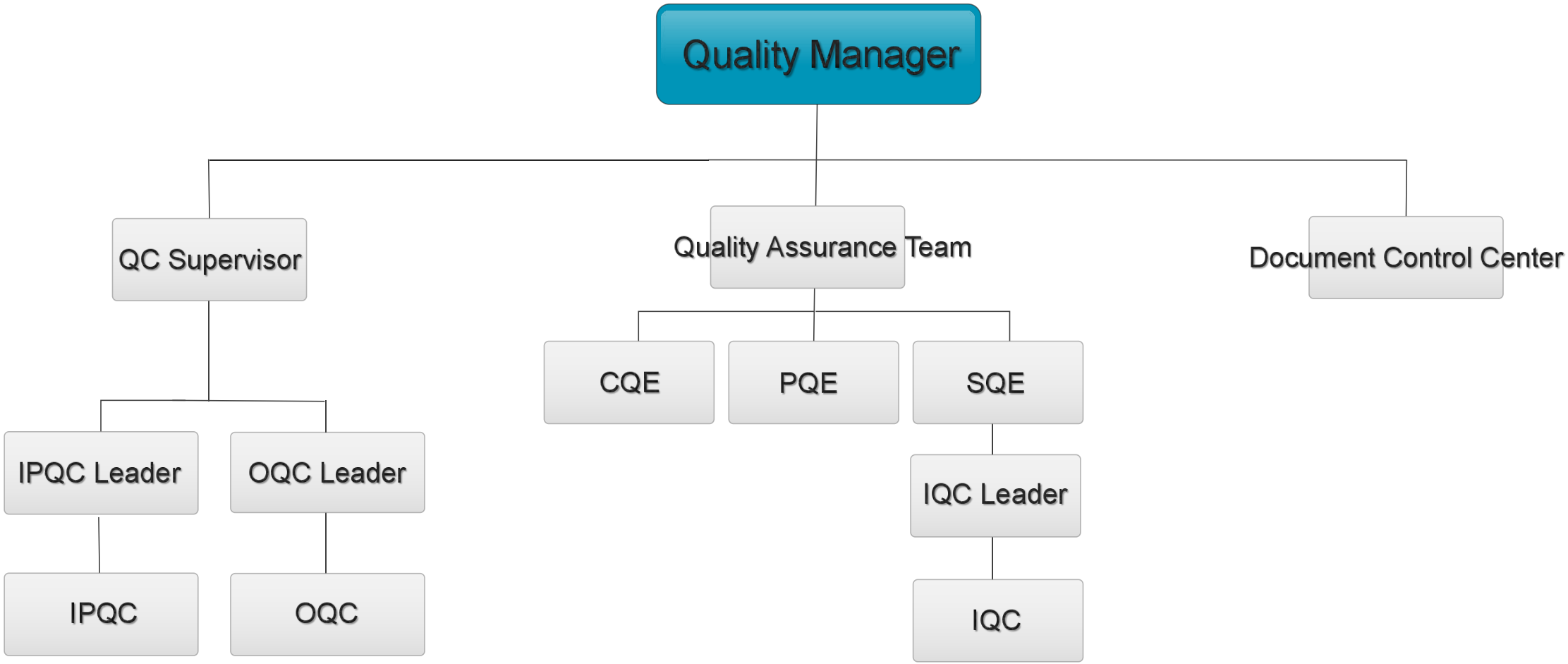
According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the selected part of submitted sample.	PASS

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Dongyu Xie
Approved Signatory

Quality Team

SINGDER



Product Certificate—UL&cUL for AWM Wire

SINGDER

UL Product iQ™

AVLV2.E484953 - Appliance Wiring Material - Component

Appliance Wiring Material - Component

SHENZHEN SINGDER INSULATION MATERIALS CO LTD E484953
No.510, Li Guang new industrial zone, guanlan town, Longhua new district
Shenzhen, 518110 China

Table of Recognized Styles

Single-conductor, thermoplastic insulation							
1007	1061	1330	1333	1569	10070	10362	11627
1013	1180	1331	1430	1571	10183	10368	
1015	1185	1332	1431	1589	10269	10702	
Multiple-conductor, thermoplastic insulation							
2464	2547	2587	2678	20080	21370		
2468	2570	2648	2725	20276	21513		
2517	2586	2651	2835	21016			
Single-conductor, thermoset insulation							
3173	3266	3289	3321	3386	3656		
3196	3271	3302	3385	3619			
Multiple-conductor, thermoset insulation							
4478							

Marking: Company name, voltage rating, temperature rating, conductor size, conductor material if other than copper,.

Last Updated on 2022-01-05

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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UL Product iQ®

AVLV2.E506386 - Appliance Wiring Material - Component

Appliance Wiring Material - Component

Dongguan XSD Cable Technology Co Ltd E506386
Room 301, No.5, Changhong Fourth Road
Zhangkeng, Hengli Town
Dongguan, Guangdong 523463 China

Table of Recognized Styles

Single-conductor, thermoplastic insulation							
1007	1032	1430	1571	10267	10368		
1013	1061	1431	10070	10269	11627		
1015	1185	1569	10183	10362			
Multiple-conductor, thermoplastic insulation							
2464	2501	2547	2586	2651	2835		
2468	2517	2570	2587	2725	20276		
Single-conductor, thermoset insulation							
3173	3271	3321	3613	3816	3856	3923	30049
3196	3289	3385	3633	3817	3857	3932	
3266	3302	3386	3656	3848	3893	3981	

Marking: Company name, voltage rating, temperature rating, conductor size, conductor material if other than copper,.

Last Updated on 2022-10-11

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UL Product iQ™

AVLV8.E484953 - Appliance Wiring Material Certified for Canada - Component

Appliance Wiring Material Certified for Canada - Component

See General Information for Appliance Wiring Material Certified for Canada - Component

SHENZHEN SINGDER INSULATION MATERIALS CO LTD E484953
No.510, Li Guang new industrial zone, guanlan town, Longhua new district
518110 Shenzhen, CHINA
Appliance wiring material, AWM AWM Class I, Class II, Class I/II, Group A, B or A/B, AWM Class I, Group A, B or A/B,, AWM: Class I, Group A, B or A/B, FT1 and/or FT2, Extruded PVC Multiconductor Flat Cable, Class I, Group A, B, or A/B, Multiconductor Flat Laminated Cable employing PETP tape and Polyester adhesive, Class I, Group A, B or A/B..

Marking: Company name and the Recognized Component Mark for Canada, c UL us on the attached tag, the reel or the smallest unit container in which the product is packaged.

Last Updated on 2020-11-08

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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UL Product iQ™

AVLV8.E506386 - Appliance Wiring Material Certified for Canada - Component

Appliance Wiring Material Certified for Canada - Component

Dongguan XSD Cable Technology Co Ltd E506386
Room 301, No.5, Changhong Fourth Road
Zhangkeng, Hengli Town
Dongguan, Guangdong 523463 China

Appliance wiring material Type(s) Class I, Group A, B or A/B, FT1 and/or FT2

Marking: Company name and the Recognized Component Mark for Canada, c UL us on the attached tag, the reel or the smallest unit container in which the product is packaged.

Last Updated on 2021-12-01

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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Product Certificate—UL for PV Wire

SINGDER

CERTIFICATE OF COMPLIANCE

Certificate Number	E526272
Report Reference	E526272-2022-06-07
Date	2022-June-07
Issued to:	Dongguan XSD Cable Technology Co Ltd Room 301, No.5, Changhong Fourth Road Zhangkeng, Hengli Town Dongguan Guangdong 523463 CN
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:	UL 4703 Photovoltaic Wire
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/

NOTICE OF COMPLETION AND AUTHORIZATION TO APPLY THE UL MARK

2022-05-13

Weipeng Zhang
Dongguan XSD Cable Technology Co Ltd
Room 301, No.5, Changhong Fourth Road
Zhangkeng, Hengli Town
Dongguan, Guangdong, 523463, CN

Your Reference:
Our Reference: File E526272, Volume 1 Order: 14166931
Project: 4790258100

Project Scope: E526272 UL only,ZKLA new file-PV,single-conductor with double layer/composite insulation (thermoset- insulated). Temperature rating 90℃,105℃. 600V,1000V,2000V, Low-temperature -40℃,Direct Burial,VW-1;one QMTT2 material

Dear Weipeng Zhang:
UL has completed the investigation under the above project and confirmed compliance of your product(s) with UL requirements. We appreciate that you have a choice of certification providers and thank you for choosing UL.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at the factory location(s) identified on the Authorization Page of UL File E526272, Volume 1. You are required to send a copy of this letter to all manufacturing locations authorized under UL File E526272, Volume 1.

The Follow-Up Services Procedure covering your product(s) will typically be provided by UL within 10 business days. Any information and documentation provided to you involving the UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Products that bear the UL Mark must be identical to those submitted to UL for evaluation and certification and must comply with the Follow-Up Services Procedure covering your product(s). Additional requirements related to the responsibilities of the Applicant and Manufacturer can be found under **Additional Resources** at https://www.ul.com/fus.

A UL certification is a valuable marketing tool meaning your product or company has successfully met stringent requirements. We encourage you to use your UL Mark and certification in your marketing activities. You can find information on how to accurately promote your UL certification at https://www.ul.com/marketing.

If you have any questions, please contact me or any of our customer service representatives. And, congratulations again on your achievement!

Sincerely,

Man Chung Li
Engineer Project Associate
UL International Ltd
Manchung.Li@ul.com

Bruce A. Mahrenholz
Director, Conformity Assessment Programs (CPO)
UL LLC
Bruce.A.Mahrenholz@ul.com

Product Certificate—VDE for NSGAFÖU Wire

VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

Dongguan XSD Cable Technology Co., Ltd.
Floor 1-3, No.5, Changhong 4th Road
Zhangkeng, Hengli Town
523463 Dongguan
Guangdong China
ist berechtigt, für ihr Produkt /
is authorized to use for their product

Sonder-Gummiaderleitung
Special rubber-insulated single-core cable

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.

◁VDE▷ oder/or ◁▷ oder/or schwarz/black rot/red

Geprüft und zertifiziert nach /
Tested and certified according to

DIN VDE 0250 Teil 602:1985-03

Aktenzeichen: 5029357-5130-0602 / 298014
File ref.:

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*

Ausweis-Nr. 40055964 Blatt 1
Certificate No. *Page*
Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2022-10-27

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:
http://www.vde.com/zertifikat
http://www.vde.com/certificate

VDE

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

Ausweis-Nr. / *Certificate No.* 40055964
Blatt / *Page* 2

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
Dongguan XSD Cable Technology Co., Ltd., Floor 1-3, No.5, Changhong 4th Road, Zhangkeng, Hengli Town, 523463 DONGGUAN, Guangdong, CHINA

Aktenzeichen / *File ref.*
5029357-5130-0602 / 298014 / TL6 / LR

Datum / *Date*
2022-10-27

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40055964.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40055964.

Sonder-Gummiaderleitung
Special rubber-insulated single-core cable

Typ(en) / *Type(s)*

NSGAFÖU 1 x 6 .... 70 mm²

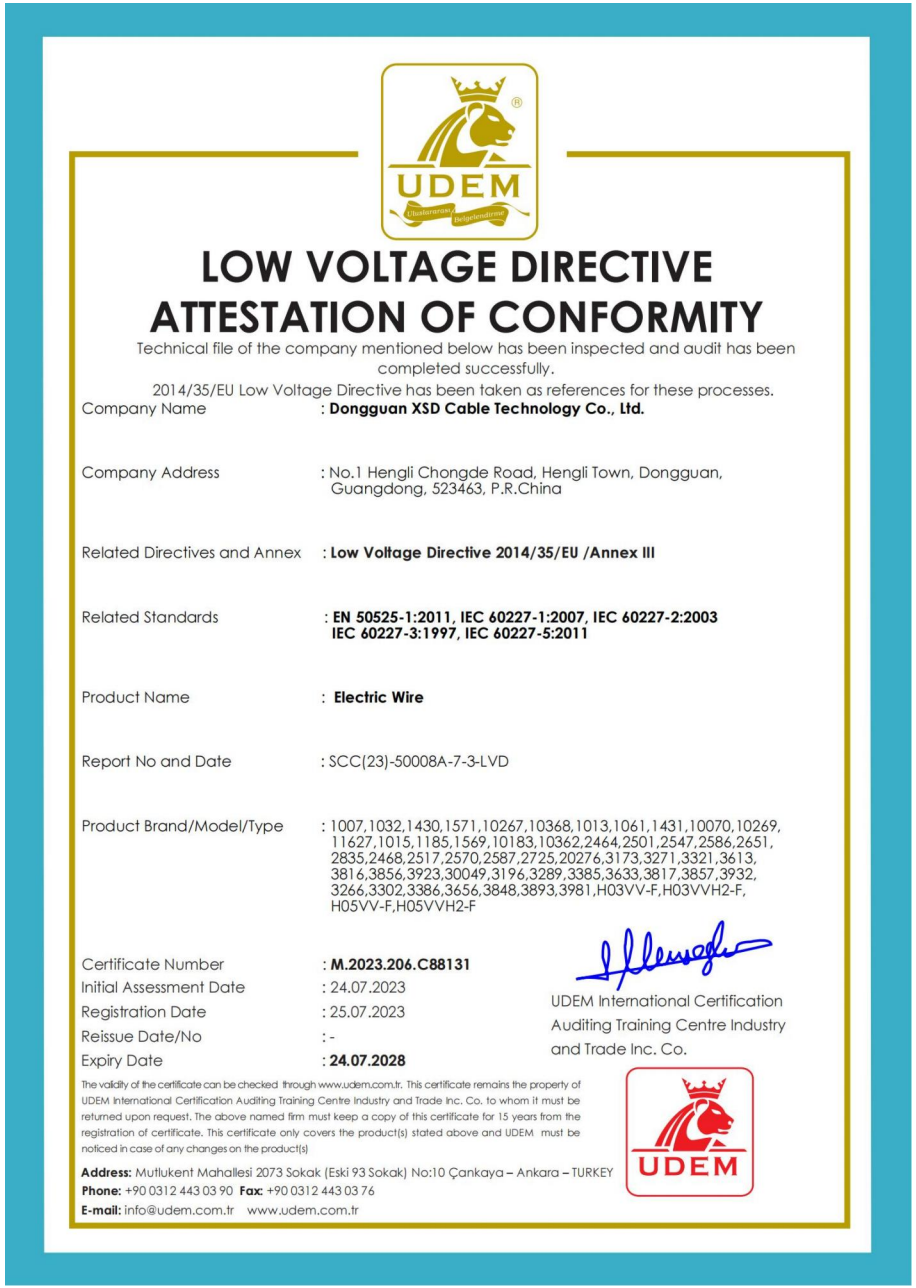
Nennspannung *Rated voltage*	Uo/U 1,8/3 kV
Firmenzeichen *Trademark*	Dongguan XSD Cable Technology Co., Ltd.

Dieser Zeichengenehmigungsausweis bildet eine Grundlage für die EU-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten.
This Marks Approval is a basis for the EU Declaration of Conformity and the CE Marking by the manufacturer or his agent.

VDE Prüf- und Zertifizierungsinstitut GmbH * Testing and Certification Institute
Merianstrasse 28, D-63069 Offenbach
Phone +49 (0) 69 83 06-0
Telefax +49 (0) 69 83 06-555

Product Certificate—CE for Wire

SINGDER



UDEM

LOW VOLTAGE DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2014/35/EU Low Voltage Directive has been taken as references for these processes.

Company Name	: **Dongguan XSD Cable Technology Co., Ltd.**
Company Address	: No.1 Hengli Chongde Road, Hengli Town, Dongguan, Guangdong, 523463, P.R.China
Related Directives and Annex	: **Low Voltage Directive 2014/35/EU /Annex III**
Related Standards	: **EN 50525-1:2011, IEC 60227-1:2007, IEC 60227-2:2003 IEC 60227-3:1997, IEC 60227-5:2011**
Product Name	: **Electric Wire**
Report No and Date	: SCC(23)-50008A-7-3-LVD
Product Brand/Model/Type	: 1007,1032,1430,1571,10267,10368,1013,1061,1431,10070,10269, 11627,1015,1185,1569,10183,10362,2464,2501,2547,2586,2651, 2835,2468,2517,2570,2587,2725,20276,3173,3271,3321,3613, 3816,3856,3923,30049,3196,3289,3385,3633,3817,3857,3932, 3266,3302,3386,3656,3848,3893,3981,H03VV-F,H03VVH2-F, H05VV-F,H05VVH2-F
Certificate Number	: **M.2023.206.C88131**
Initial Assessment Date	: 24.07.2023
Registration Date	: 25.07.2023
Reissue Date/No	: -
Expiry Date	: **24.07.2028**

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

The validity of the certificate can be checked through www.udem.com.tr. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

UDEM

Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TURKEY
Phone: +90 0312 443 03 90 **Fax:** +90 0312 443 03 76
E-mail: info@udem.com.tr www.udem.com.tr

Product Certificate—China Compulsory Certification “CCC”

SINGDER



中国国家强制性产品认证证书

证书编号：2020010105329084

委托人名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 301 室

生产者（制造商）名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 301 室

生产企业名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 1-3 楼

产品名称和系列、规格、型号

聚氯乙烯绝缘软电缆电线

60227 IEC 52(RVV) 300/300V 0.5-0.75(2-3 芯); 60227 IEC 53(RVV) 300/500V 0.75-2.5(2-5 芯); RVV 300/500V 4(3-5 芯),0.75-2.5(6 芯),0.75-1.5(7-8 芯),0.75-1(10-24 芯); RVB 300/300V 0.5-4;

产品标准和技术要求

GB/T 5023.5-2008/IEC60227-5:2003;JB/T8734.3-2016

上述产品符合强制性产品认证实施规则 CNCA-C01-01:2014 的要求，特发此证。

发证日期：2020 年 09 月 17 日　　有效期至：2025 年 09 月 17 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站 www.cnca.gov.cn 查询

经中国合格评定国家认可委员会认可 CNAS C001-P

主任：

中国质量认证中心

http://www.cqc.com.cn　　中国・北京・南四环西路188号9区 100070　　电话：+86 10 83886666



中国国家强制性产品认证证书

证书编号：2020010105329085

委托人名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 301 室

生产者（制造商）名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 301 室

生产企业名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 1-3 楼

产品名称和系列、规格、型号

聚氯乙烯绝缘无护套电线电缆

60227 IEC 01(BV) 450/750V 1.5-35; 60227 IEC 02(RV) 450/750V 1.5-35; 60227 IEC 06(RV) 300/500V 0.5-1; BVR 450/750V 2.5-35;

产品标准和技术要求

GB/T 5023.3-2008/IEC60227-3:1997;JB/T8734.2-2016

上述产品符合强制性产品认证实施规则 CNCA-C01-01:2014 的要求，特发此证。

发证日期：2020 年 09 月 17 日　　有效期至：2025 年 09 月 17 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站 www.cnca.gov.cn 查询

经中国合格评定国家认可委员会认可 CNAS C001-P

主任：

中国质量认证中心

http://www.cqc.com.cn　　中国・北京・南四环西路188号9区 100070　　电话：+86 10 83886666



中国国家强制性产品认证证书

证书编号：2020010105329083

委托人名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 301 室

生产者（制造商）名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 301 室

生产企业名称、地址

东莞市鑫盛达电缆技术有限公司

广东省东莞市横沥镇张坑昌鸿四路 5 号 1-3 楼

产品名称和系列、规格、型号

聚氯乙烯绝缘安装用电线和屏蔽电线

AVVR 300/300V 0.08-0.4(2 芯), 0.12-0.4(3-24 芯); RVVP 300/300V 0.08-1.5(2 芯), 0.12-1.5(3 芯), 0.12-0.4(4-24 芯);

产品标准和技术要求

JB/T8734.4-2016;JB/T8734.5-2016

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主任：

中国质量认证中心

http://www.cqc.com.cn　　中国・北京・南四环西路188号9区 100070　　电话：+86 10 83886666

SINGDER

02

Product Introduction

UL AWM Wire & PV Wire & Automotive Wire

SINGDER

- With great advantage of heat, cold, acids, oils, moisture, UV, flame and tear resistance, those wire and cable are commonly used in a variety of applications such as **PV inverter, energy storge cabinet, solar junction box, battery cable, PLC, control cabinets, automation machine, robot, motors, transformers, power tools, lighting system, automobile, testing equipment, medical equipment, home appliance, industrial communication, etc.**



UL AWM Wire & Cable—Single Conductor Wire(Hookup Wire)

SINGDER

- It is a wire with a single insulated conductor that may be used for low-voltage, low-current applications. It is frequently used in control panels, automobiles, meters, ovens, computers, electronic equipment, industrial machines, appliances and others. And it works well in small spaces and comes in a wide variety of constructions with various conductor, insulation, and jacket material available, such as **UL1015, UL10269, UL11627, UL3321, UL3271, UL1180**, etc.





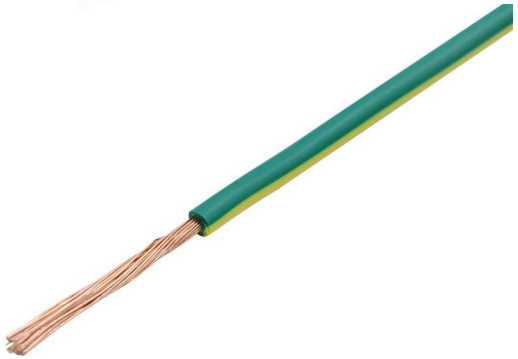






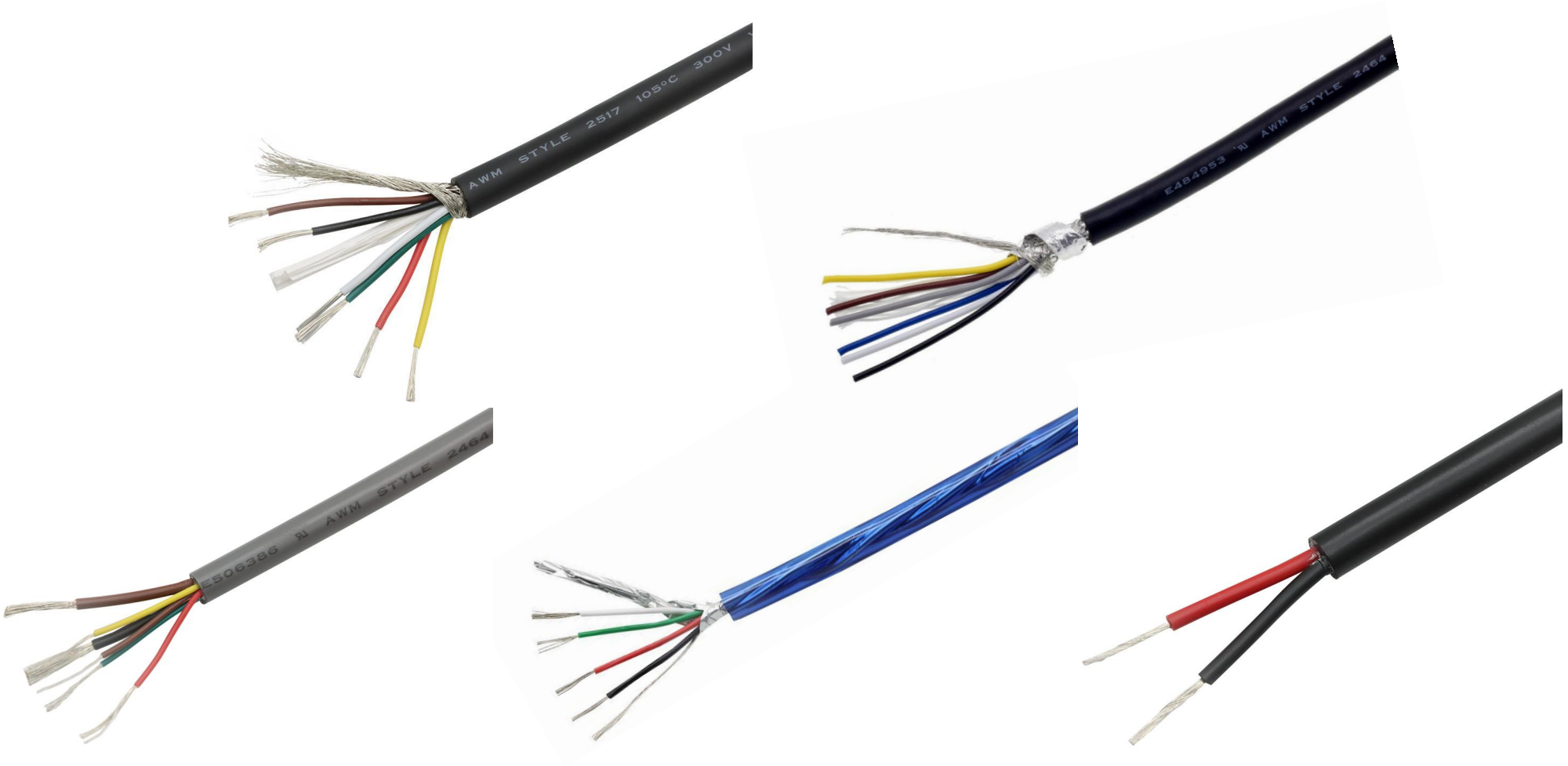






UL AWM Wire & Cable—Multi-conductor Cable

- It often provide many advantages over using several runs of separate single conductor wire(hookup wire) when multiple circuits require interconnection. When multi-core or multi-pair cable are used to connect, wiring is neater and more organized, which takes up less space and decreases installation time compared with single conductor wire, such as **UL2464, UL2586, UL2587, UL2517, UL2725, UL20276**, etc.

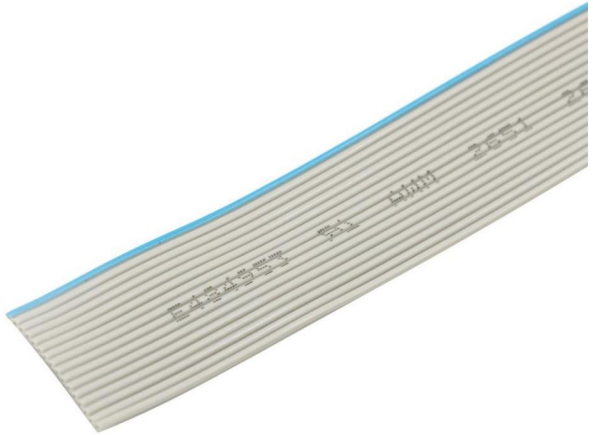


UL AWM Wire & Cable—Flat Cable

- This is the most common types of cable used in various kinds of electronics. The biggest advantage of flat ribbon cable is to allow mass termination to specially designed IDC. These cables are used in wire-to-board applications with IDC connector, scanners, computers, printers, robotics, circuit boards, TVs, control panel and more. Flat Ribbon Cable(Ribbon Cable) are known for being a very high-quality cable with superior flexibility and a space-saving design, such as **UL2651, UL2678, UL2468, UL4478, UL21016**, etc.







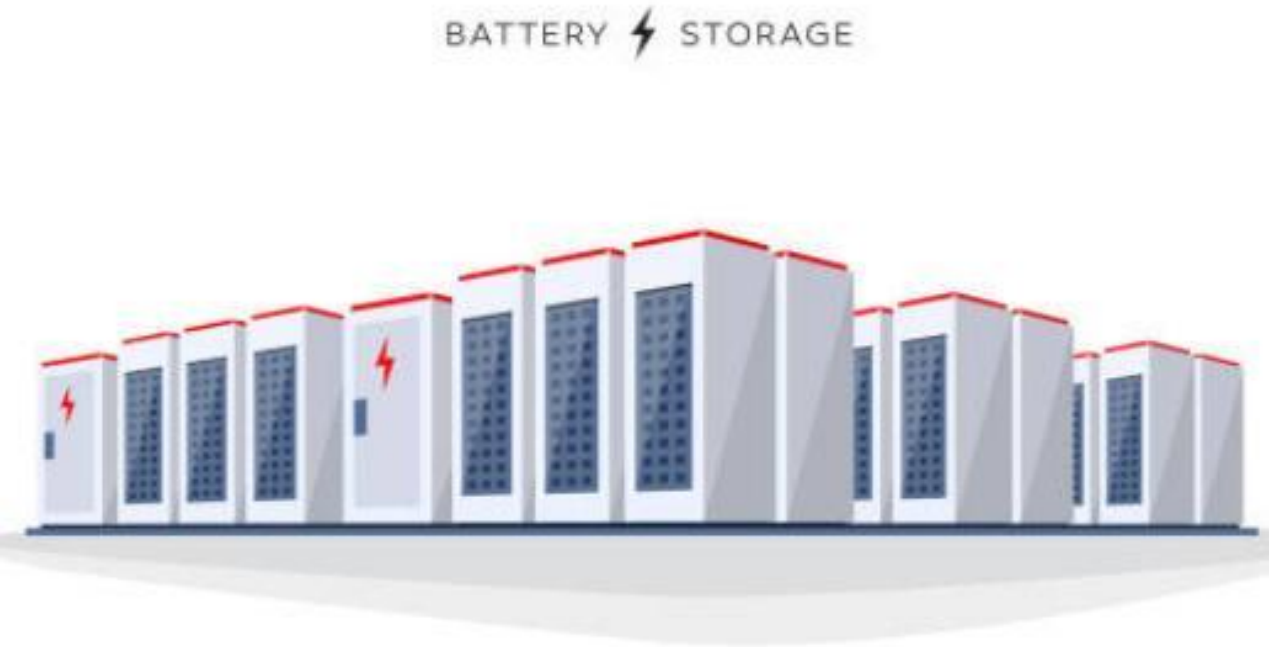



PV Wire & NSGAFÖU Wire & Internal Wiring Wire for Solar Energy & ESS

SINGDER

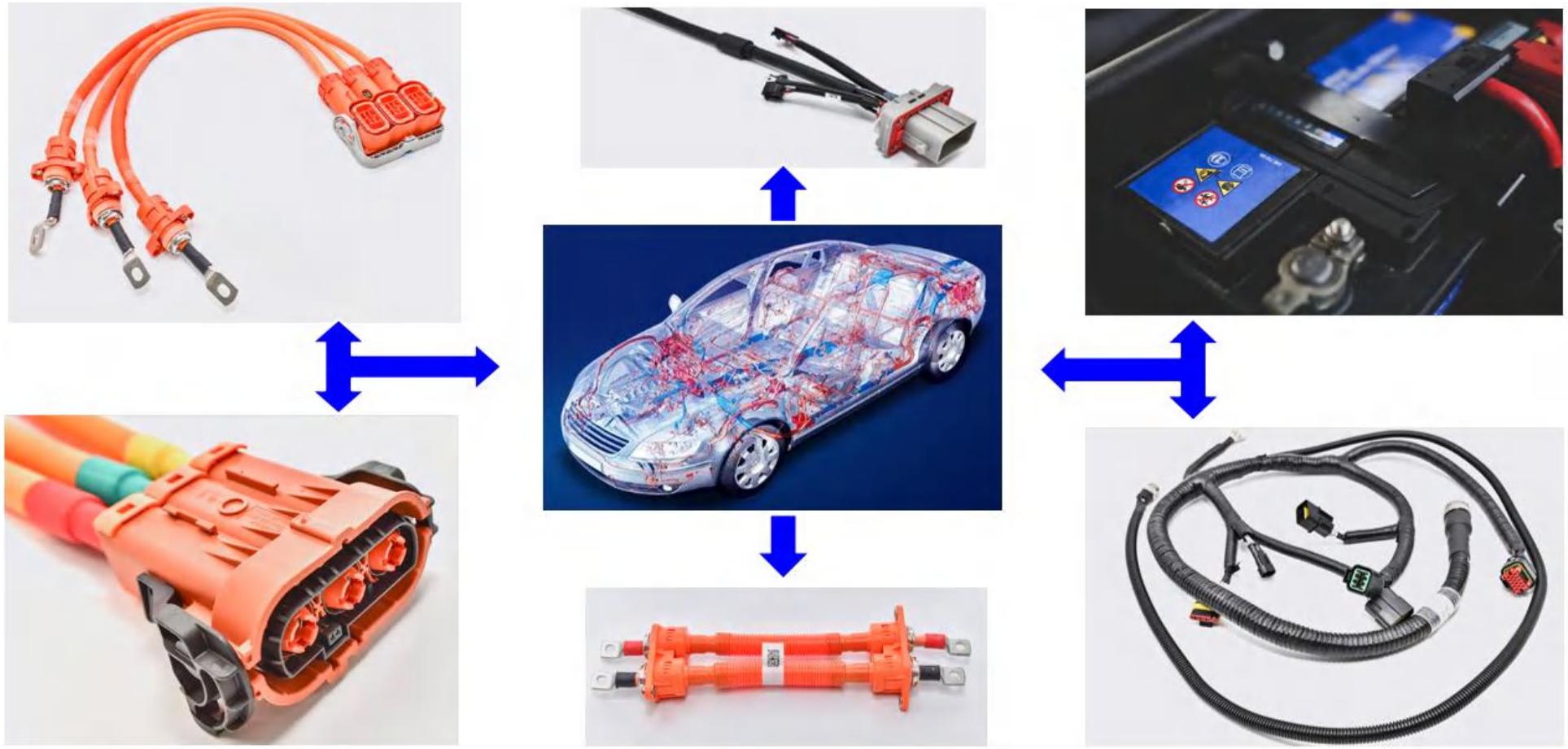
- The energy can be generated by solar panels, wind farms or other green technologies. The stored energy can be used to power anything for residential home or other application.
- A solar panel uses the photoelectric effect to convert the sun's energy to electricity. Therefore, direct current must be converted to household AC current to be useful. All installations require electrical wiring. Like **PV Wire, NSGAFÖU Silicone Wire, UL3321, UL10269, UL1015, UL11627, UL2586, UL10362, etc., those can be used to connect inverter, ESS, solar panel, combiner boxes, solar junction box, battery, power transformer, energy storage system, power distribution cabinet.**





Automotive Wire

- There are many types of automotive wire can be used for internal wiring of vehicles. Some of them are familiar to us is primary automotive wire.
- We offer a variety of primarily automotive wires with PVC, XLPE, TPE or other insulation, including **GXL, TXL, TWT, GPT, AVS, AEX, AVX, AVSSX, AESSX, FLRY, FLR31Y**, etc. Those are compliance with different standard, like SAE-J-1128, JASO D611, DIN72551, ISO 6722-1, etc.

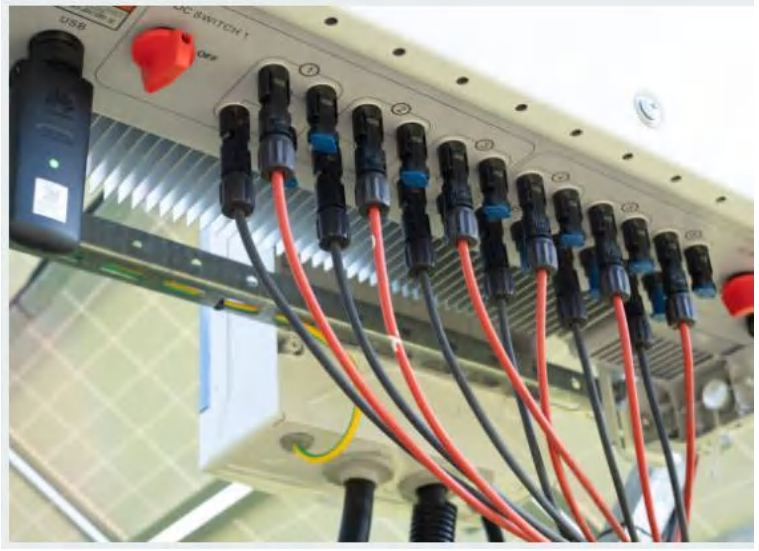


Wiring Harness—Solar Cable Harness

SINGDER

- As renewable energy becomes more and more widely used, we have strong ability to provide custom solar cable assemblies and wire harness products that are designed to withstand the outdoor conditions in solar energy application.
- Generally, there are some types of cable harness and cable assemblies commonly use in PV system, such as **DC solar cable harness, solar AC connection cables, solar whip assemblies, solar jumper assemblies, custom parallel circuit harness assemblies and others,** those are used for combiner boxes, inverters, modules, adapters, solar panel, solar junction box, power distribution cabinet.







Wiring Harness—Energy Storage Cable

SINGDER

- Freedom from dependence on the grid through solar or wind battery system store leftover energy for use at night when the sun or wind disappears or the grid is turned off. **Harness power installation package, battery power cable, battery storage cable assemblies, connectors and other kits** are widely used for energy storage cabinet and energy storage station.







Wiring Harness—Energy Storage Cable

SINGDER

- Freedom from dependence on the grid through solar or wind battery system store leftover energy for use at night when the sun or wind disappears or the grid is turned off. **Harness power installation package, battery power cable, battery storage cable assemblies, connectors and other kits** are widely used for energy storage cabinet and energy storage station.







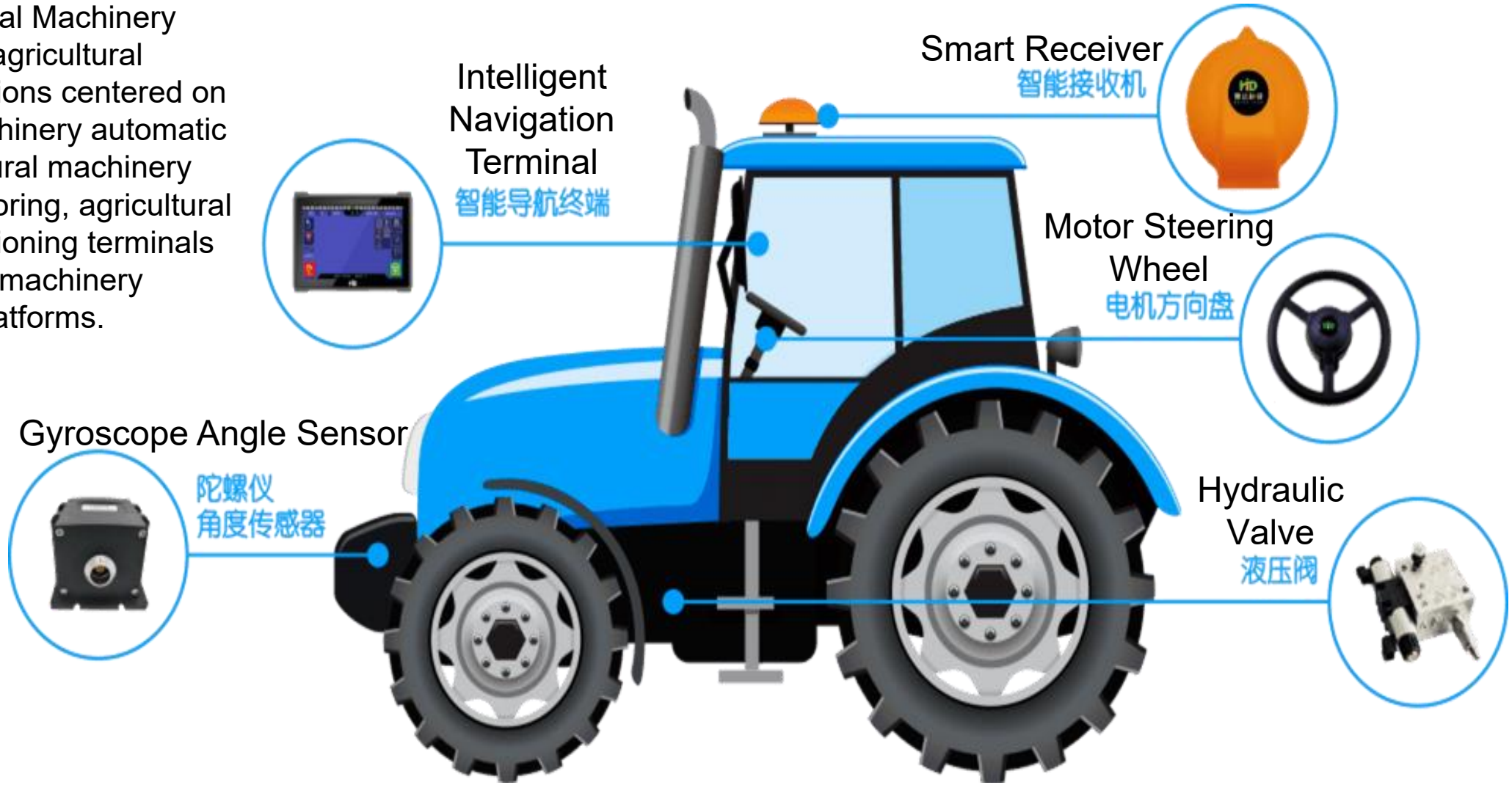



Automotive Wiring Harness—Intelligent Agricultural Machinery Wiring Harness

SINGDER

Application:

Smart Agricultural Machinery provides smart agricultural machinery solutions centered on agricultural machinery automatic driving, agricultural machinery operation monitoring, agricultural machinery positioning terminals and agricultural machinery management platforms.



Automotive Wiring Harness—Intelligent Agricultural Machinery Wiring Harness

SINGDER



- 智能播种 -
Smart Seeding



- 智能插秧 -
Smart Rice Transplanting



-植保作业 -
Plant Protection Work

Ditching Work



- 开沟作业 -

Ridge Work



- 起垄作业 -

Sowing Operation



- 播种作业 -



- 喷药作业 -
Spraying Operation



- 铺膜作业 -
Film Laying



- 收获作业 -
Harvest Job



Automotive Wiring Harness—Intelligent Agricultural Machinery Wiring Harness

SINGDER



- 智能播种 -

Smart Seeding



- 智能插秧 -

Smart Rice Transplanting



-植保作业 -

Plant Protection Work



农机自动驾驶
Agricultural Machinery Autonomous Driving

农机作业监测
Agricultural Machinery Operation Monitoring

农机定位终端
Agricultural Machinery Positioning Terminal

农机管理平台
Agricultural Machinery Management Platform



拖拉机厂商
Tractor Manufacturer



收获机厂商
Harvester Manufacturer



免耕播种机厂商
No-till Planter Manufacturers

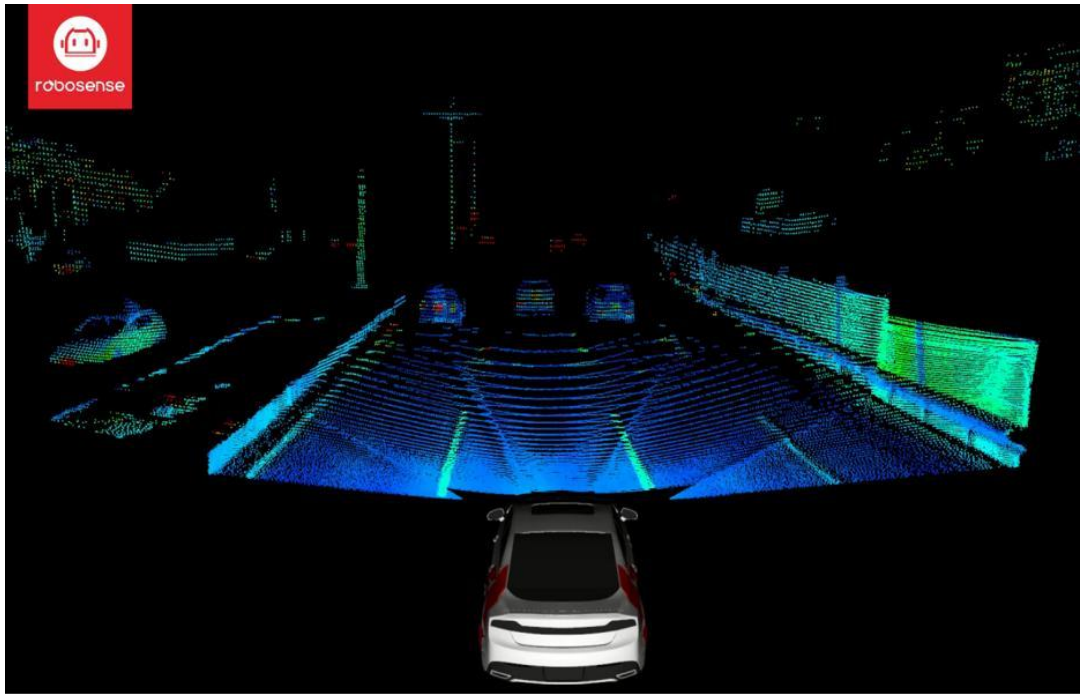
Automotive Wiring Harness—Lidar Wiring Harness

SINGDER

Application：

It is used in vehicle-road collaboration, autonomous driving, smart transportation, rail transit, robotics, logistics, surveying and mapping, high-end security, industrial automation, new infrastructure and other fields.





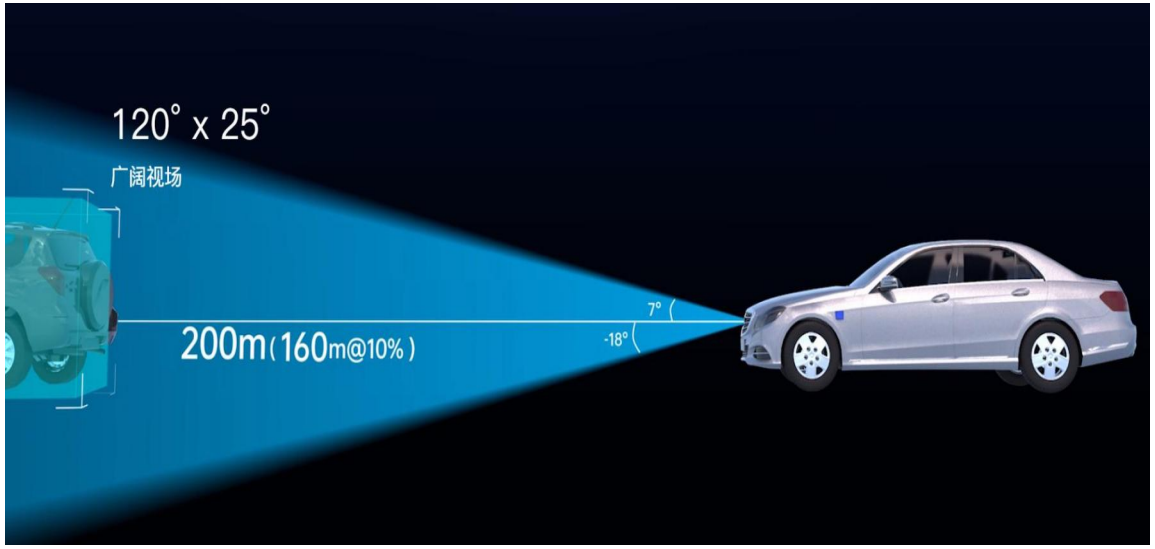
Automotive Wiring Harness—Lidar Wiring Harness

SINGDER

Application:

It is used in vehicle-road collaboration, autonomous driving, smart transportation, rail transit, robotics, logistics, surveying and mapping, high-end security, industrial automation, new infrastructure and others.

Application Scenarios:

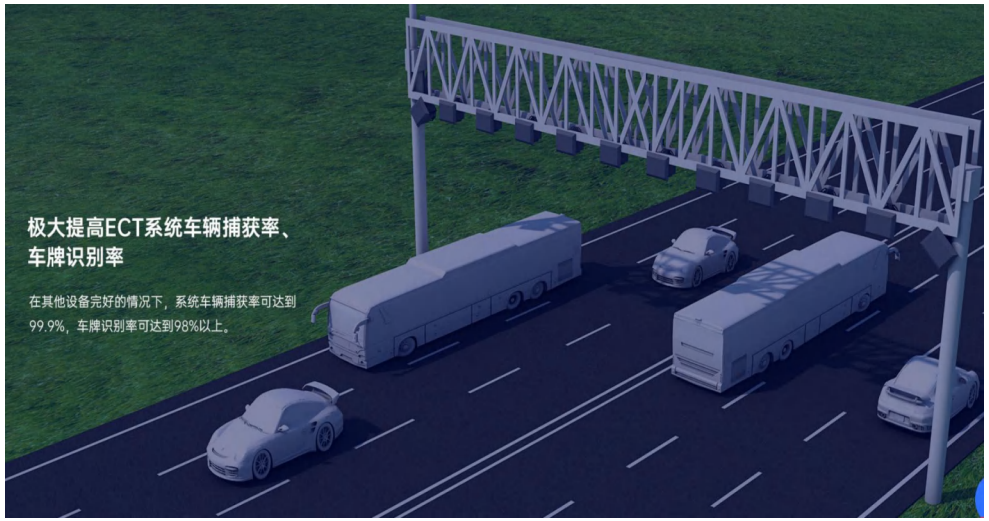


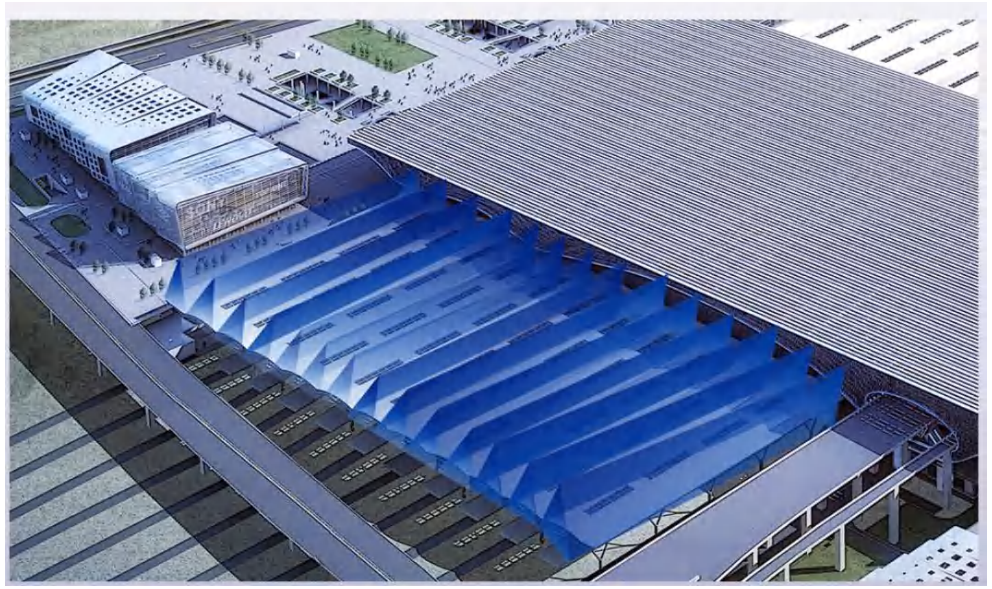


Waterproof: IPX7

Automotive Wiring Harness—Lidar Wiring Harness

SINGDER







MINI Fakra to Fakra

Waterproof Wiring Harness

SINGDER













Industrial Wiring Harness

SINGDER

Application:

It is used in electric power, military, communication, transportation, electric power, petroleum and petrochemical, finance, radio and television and other high-current, high-reliability industrial equipment, electronic equipment, etc.

Transportation



交通运输

Energy



能源

Public Safety



公共安全

City Management



城市管理

Environmental Protection & Ecological Resources



环保与生态资源

Radio & Television



广电

Financial & Communication



金融通信

Others



其他

Industrial Wiring Harness—M29 Waterproof Wiring Harness

SINGDER

Application:

It is used in electric power, military, communication, transportation, electric power, petroleum and petrochemical, finance, radio and television and other high-current, high-reliability industrial equipment, electronic equipment, etc.



Application Scenarios:



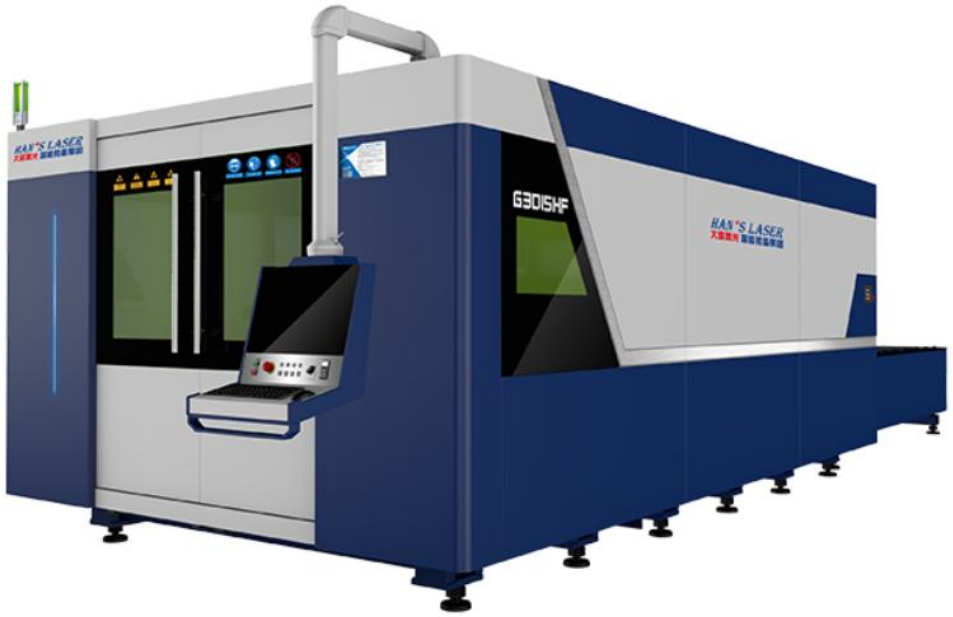
道路车辆智能监测记录系统

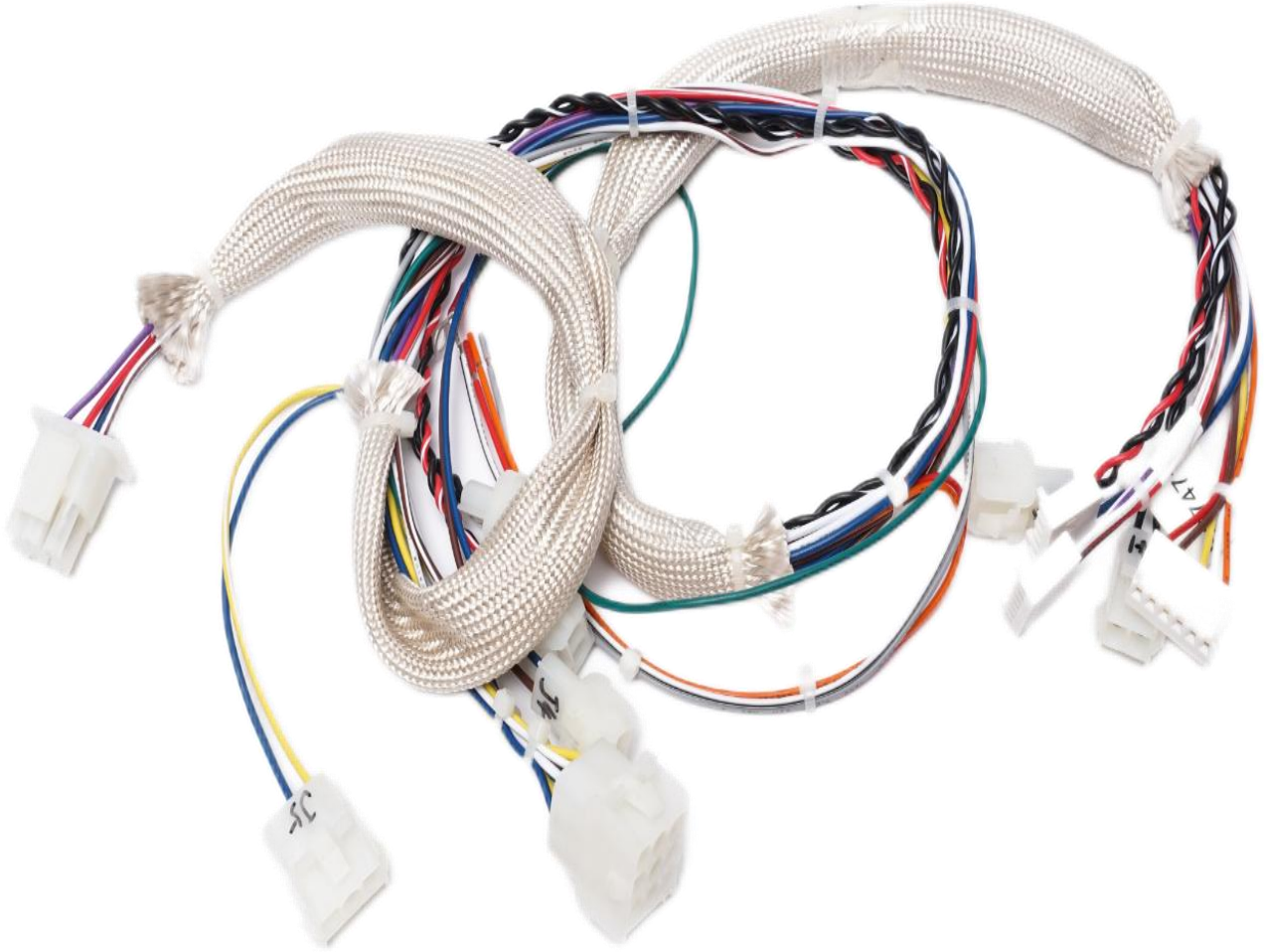
Industrial Wiring Harness—Industrial Electronic Wiring Harness

SINGDER

Application:
It is used in electric power, military, communication, transportation, electric power, petroleum and petrochemical, finance, radio and television and other high-current, high-reliability industrial equipment, electronic equipment, etc.

Application Scenarios: High-speed laser cutting machine





Industrial Wiring Harness—High Current D-SUB Wiring Harness

SINGDER

Application:

It is used in electric power, military, communication, transportation, electric power, petroleum and petrochemical, finance, radio and television and other high-current, high-reliability industrial equipment, electronic equipment, etc.

Application Scenarios:

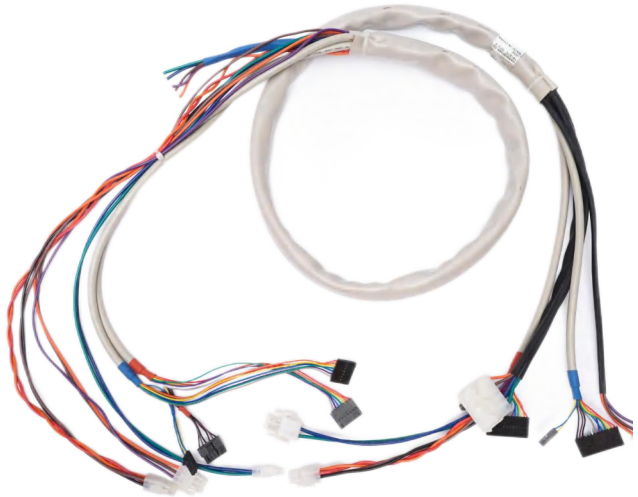


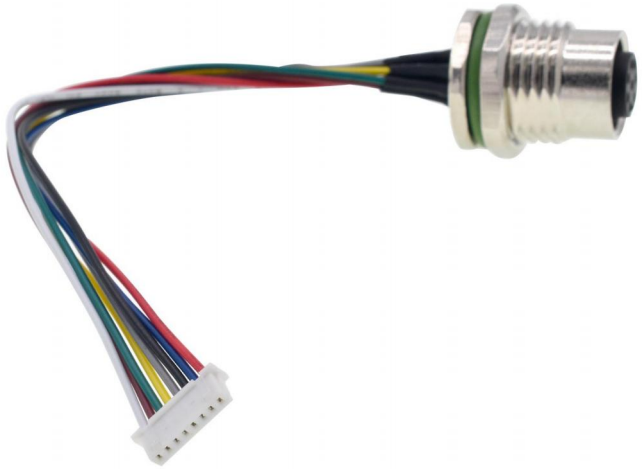


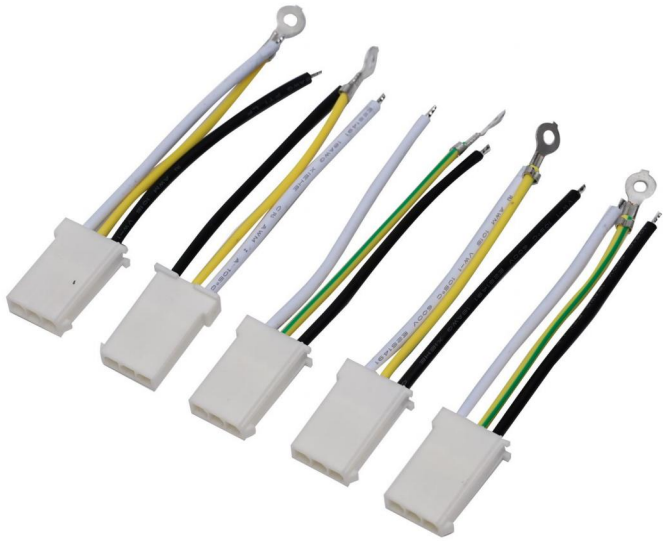
D-SUB Extension Cable

Industrial Wiring Harness—Industrial Electronic Wiring Harness

SINGDER











Medical Wiring Harness—Quick Plug Self-locking Harness

SINGDER

Application:

The field of clinical medical equipment (products cover life information and support, clinical testing and reagents, digital ultrasound, radiography, dental treatment, etc.)









Medical Wiring Harness—Medical Equipment Wiring Harness

SINGDER

Application:

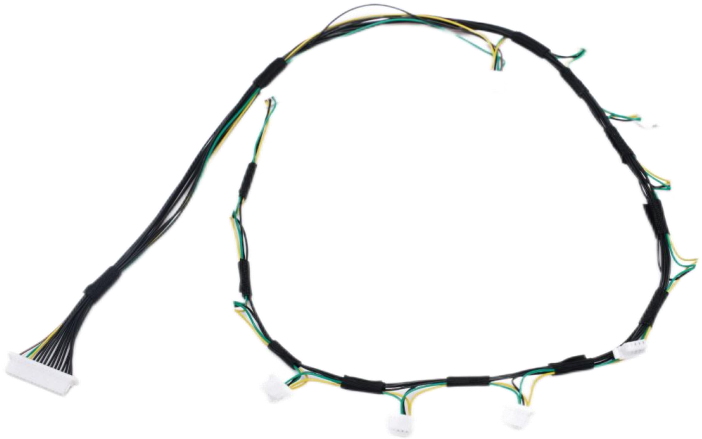
Medical rapid diagnostic reagents and supporting instruments (used in clinical testing, critical illness, epidemic monitoring, disaster rescue, on-site law enforcement, etc.)

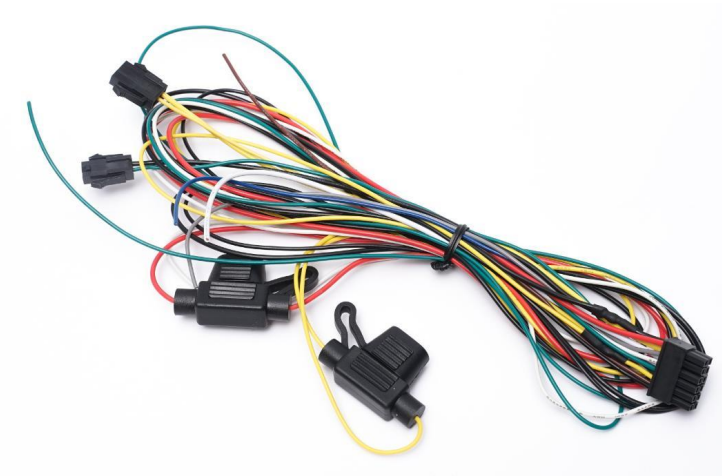


免疫荧光定量检测平台

IMMUNOFLUORESCENCE QUANTITATIVE...









Medical Wiring Harness—Medical Equipment Harness

SINGDER

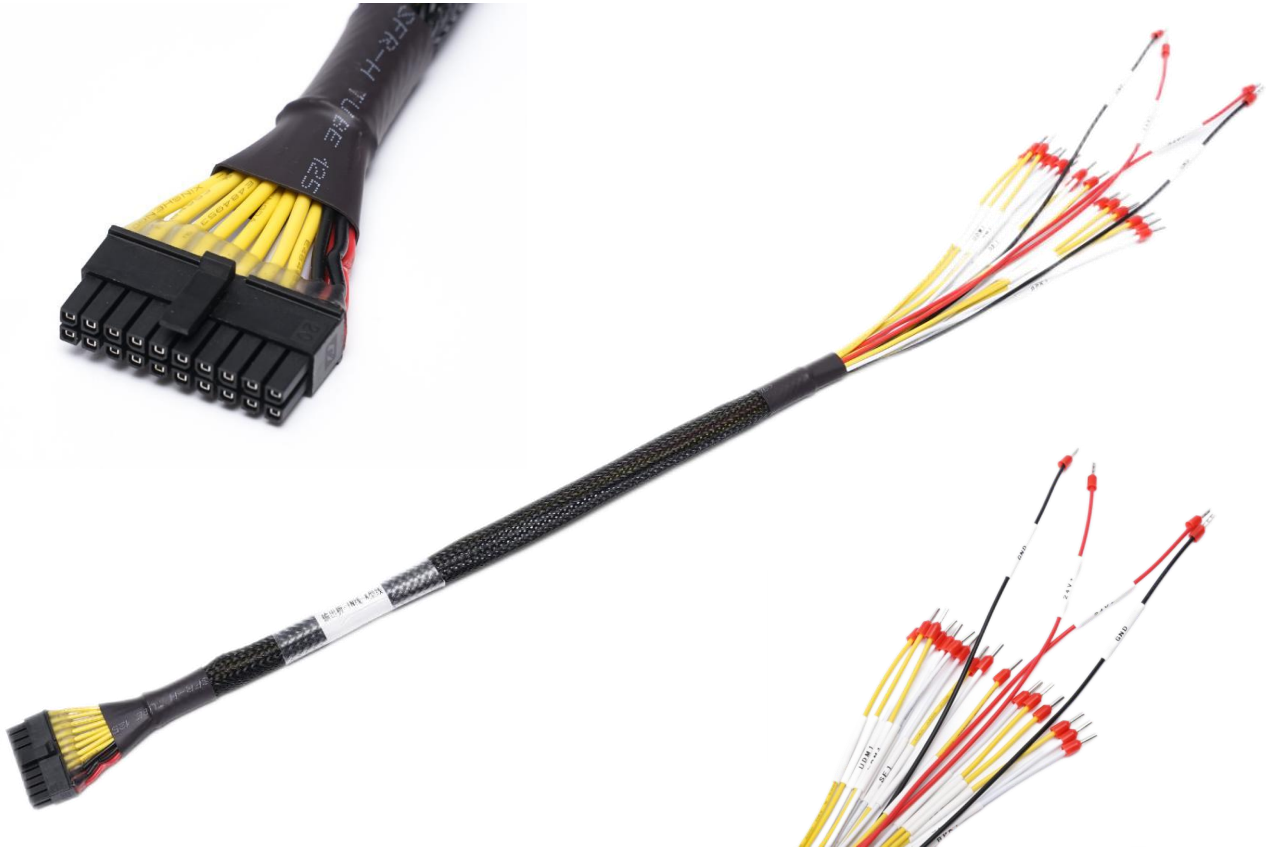
Application:

Medical rapid diagnostic reagents and supporting instruments (used in clinical testing, critical illness, epidemic monitoring, disaster rescue, on-site law enforcement, etc.)



全自动化学发光检测平台

FULL-AUTOMATIC CHEMILUMINISCENCE...



Consumer Electronics

SINGDER

The resolution of high-definition electronic devices is getting higher, and the transmission distance is getting longer. The centralized display, scheduling system and monitoring system make the application of splicing display products (DLP, LED, LCD) and their solutions more widely.













SINGDER

03

Workshop & Equipment

Workshop

SINGDER









Workshop

SINGDER







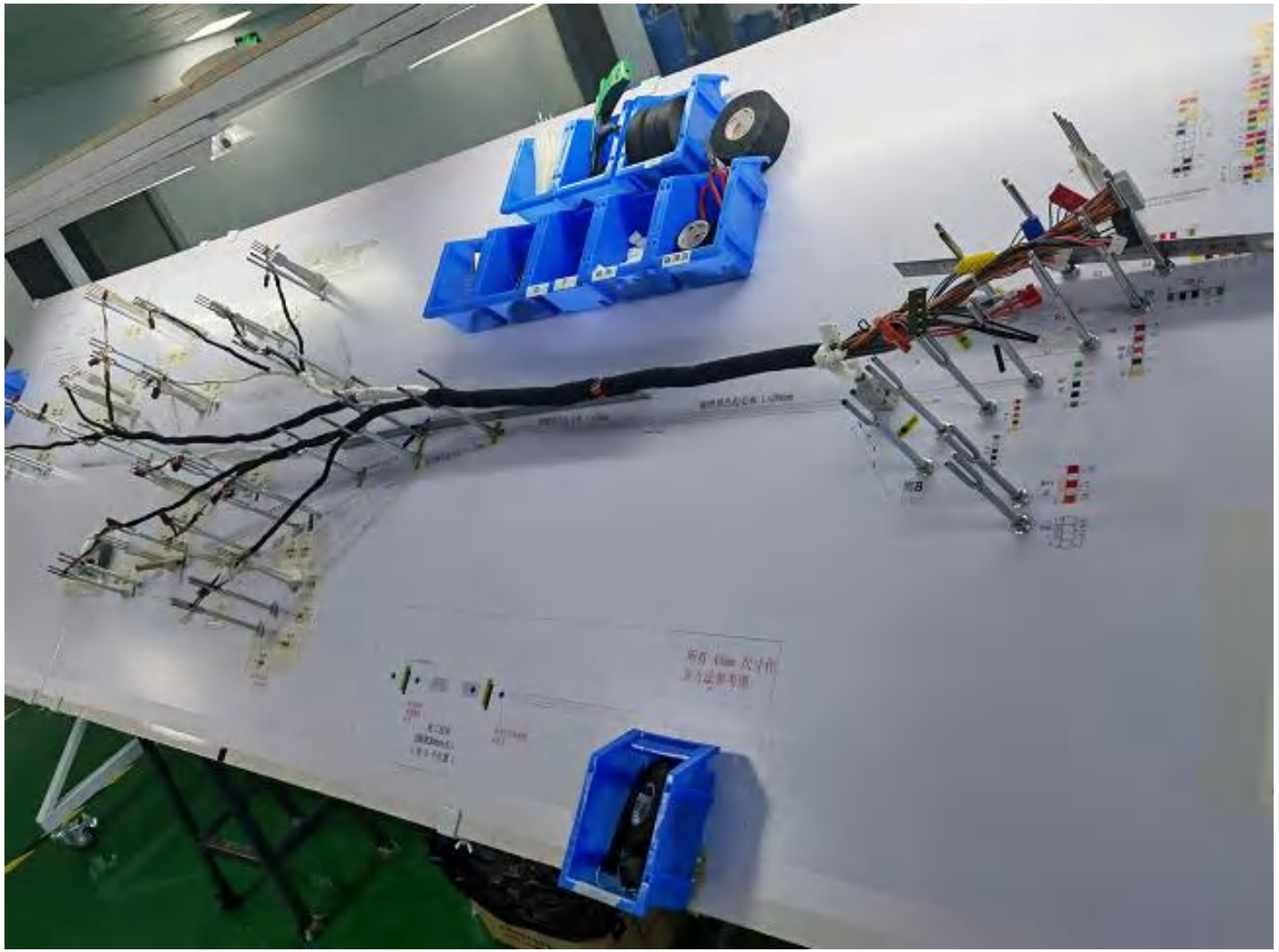


Workshop

SINGDER

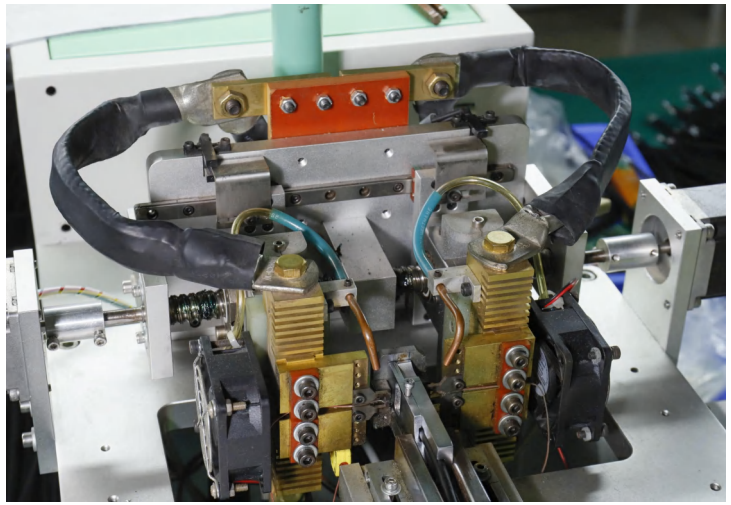


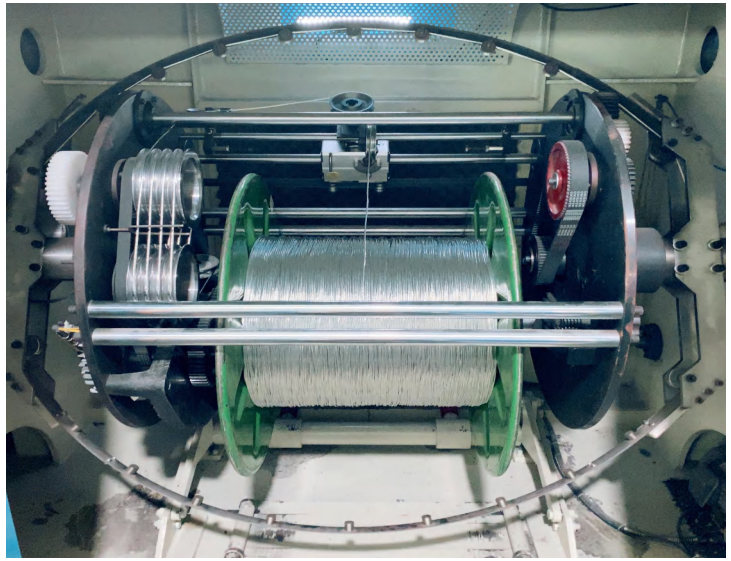




Workshop

SINGDER







Warehouse

SINGDER









Equipment—Production Equipment

SINGDER



自动端子机
Automatic Terminal Machine



自动裁线机
Automatic Cutting Machine



电脑线机
Computer Wire Machine



插壳机
Housing Inserter



多PIN插壳机
Multi-pin Housing Inserter



电脑切管机
Pipe Cutting Machine

Equipment—Production Equipment

SINGDER



五线单头自动端子机
Five-wire Single-head Automatic Terminal Machine



单头自动端子机
Single Head Automatic Terminal Machine



半自动端子机
Semi-automatic Terminal Machine



铜带机
Copper Belt Machine



压水晶头设备
RJ45 Crystal Head Device



半自动端子机
Semi-automatic Terminal Machine



HDMI高频焊锡机
HDMI High Frequency Soldering Machine

Equipment—Production Equipment

SINGDER



2.5T立式注塑机
2.5T Vertical Injection Molding Machine



低压注塑机
Low Pressure Injection Molding Machine



UV点胶机
UV Gluing Machine

Equipment—Testing Equipment

SINGDER



直流电阻测试仪
DC Resistance Tester



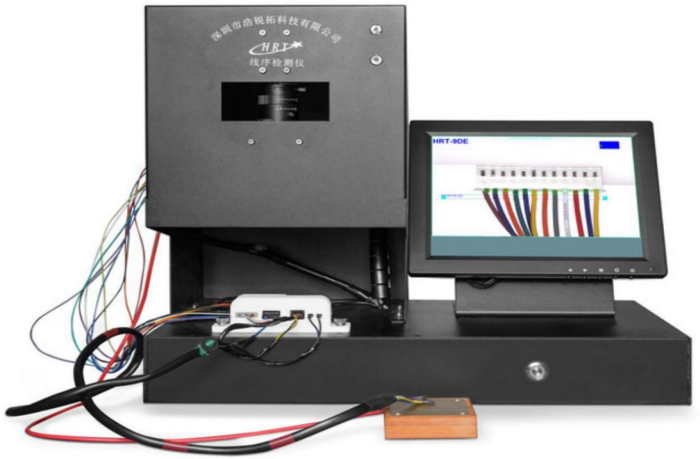
线材综合测试仪
Wire Comprehensive Tester



端子剖面分析仪
Terminal Profile Analyzer



CCD高清检测仪
CCD High-definition Detector



线序测试仪
Wire Sequence Tester



投影仪
Projector

Equipment—Testing Equipment

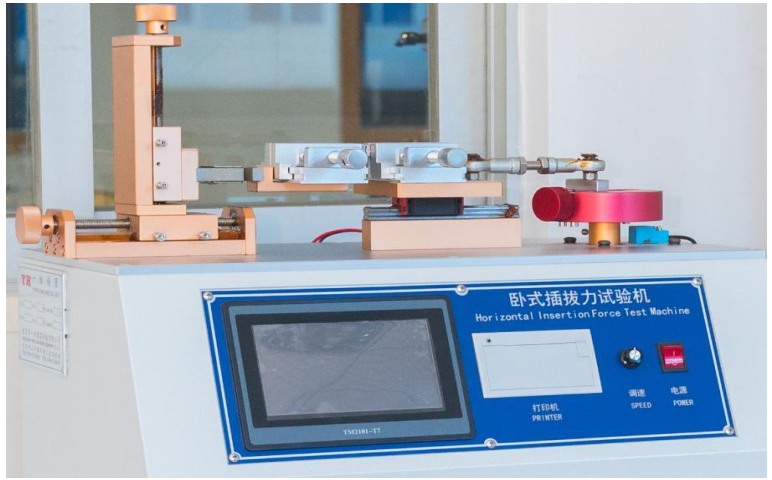
SINGDER



微电脑拉力试验机
Microcomputer Tensile Testing Machine



摇摆测试机
Bending Tester



微电脑插拔试验机
Microcomputer Plugging Test Machine



盐雾试验机
Salt Spray Test Machine

SINGDER

04

Sales Wordwide

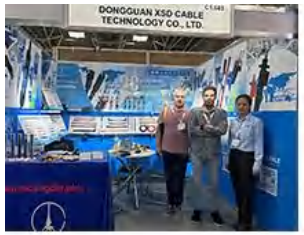
Sales Network

SINGDER



Sales Network

SINGDER





































Contact Information

Shenzhen Singder Insulation Materials Co., Ltd.

Dongguan XSD Cable Technology Co., Ltd.

Address: No.1, Hengli Chongde Road, Hengli Town, Dongguan, Guangdong, 523475, China.

Tel: (86) 769-82323980 E-mail: info@xsdsingder.com Web: www.xsdsingder.com