



**HONGTAI CABLE TECHNOLOGY CO.,LTD.**

**PRODUCT BROCHURE**



## >> Brief Introduction

Hongtai Cable Technology Co.,Ltd. is a large joint-stock, hi-tech enterprise established in 1988.

We are specialized in wires & cables,including designment,production and sales.

There are more than 500 staffs in our factory including over 50 technical personnell,5 senior engineers.With complete advanced cable producing equipments over 150 sets,complete testing equipments,a national level fire-resistant & flame retardant cable laboretory.Our technology has reached advanced levels at honme and abroad.

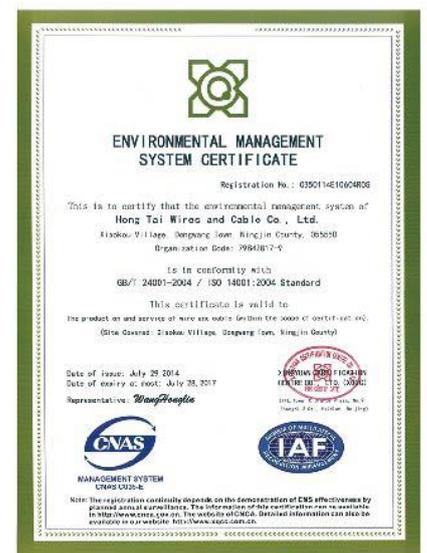
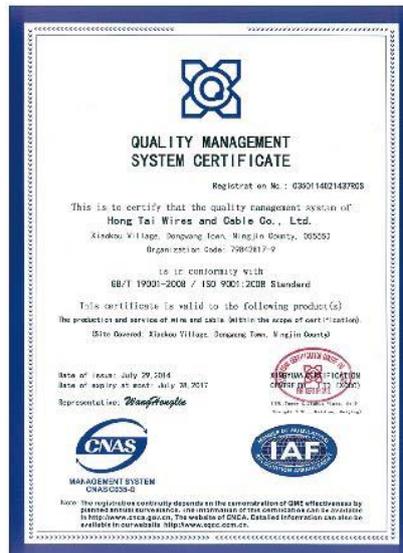
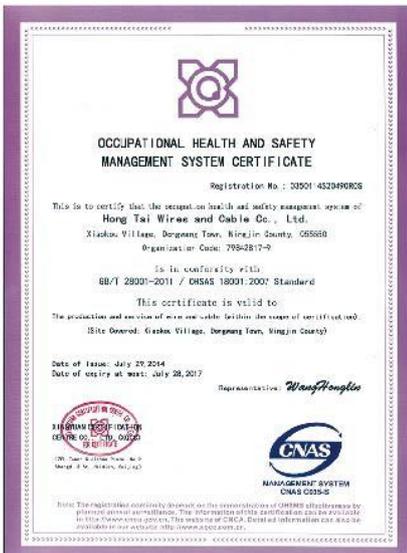
Our main products include:Power Cable for voltage up to 35KV,Overhead insulated cable,ABC Cable,Building Cable and flexible cord,Control Cable,Rubber Cable,Bare Conductor (ACSR, AAC, AAAC, BCC),Welding Cable,Galvanized Steel Wire(Stay wire),flame retardant mining cable,Aluminum Alloy Wire Cable,PVC insulated Pwer Cable.

We ave own IM/EX right,our products have been exported to EuropeWe have own IM/EX right,our products have been exported to Europe,Australing,Middle-east,South-east Asia,Africa,American,South American etc.,being subjected to consistent good opinion of customers.

As a people-oriented company,we always adhere to "customers first,quality first" business philosophy and promote the comprehensive quality management system.We have obtained IOS Certification,SGS certificate,CE certificate,and the IEC international certificate.We would like to join hands with elites from all sectors of society in the road of common development.



## >> Certification





## 3.6–35KV XLPE INSULATED POWER CABLE

### Introduction

Cross-linked polyethylene insulated power cable not only has excellent electric, mechanical properties, but also has powerful resistance against chemical corrosion, heat aging and environmental stress. Its structure is simple. The long term operating temperature is 90°C. It is convenient to use and can be laid with no restriction of different level.

Our enterprise can produce both flame retardant and non-flame retardant series of XLPE power cable.

Our XLPE Power cable can be produced according to our works' specifications, which are equivalent to IEC, DIN, BS and ASTM, and some indexes are superior to standards stated above.

The flame-retardant cable covers all kinds of low—smoke low—halogen, low—smoke halogen free and three classes of A, B, C.

We can design and manufacture special XLPE cable according to other standards required by the customers, such as Heavy section cut apart conductors, water-resistance, defend termites, defend mouse, and so on.

### Scope of voltage grade and core number and cross-section

#### a)National standard

Rated Voltage (kV)		3.6/6	6/6	6/10	8.7/10	8.7/15	12/15	12/20	18/20	18/30	21/35	26/35
Core Number		1Core 3Core										
Cross-section mm <sup>2</sup>	1C	25-800				35-800						
	3C	25-400				35-400						

#### b)IEC/BS/DIN standard

Rated Voltage (kV)		3.6/6	6/10	6.35/11	8.7/10	8.7/15	12/15	12/20	18/20	18/30	21/35	26/35
Core Number		1Core 3Core										
Cross-section mm <sup>2</sup>	1C	25-800				35-800						
	3C	25-400				35-400						

#### C)ASTM standard

Rated Voltage (kV)		5001/8000	8001/15000	15001/25000	25001/28000	28001/35000	35001/46000
Core Number		1Core 3Core					
Cross-section AWG or kcmil	1C	6AWG-1600kcmil	2AWG-1600kcmil	AWG-1600kcmil		2AWG-1600kcmil	1/OAWG-1600kcmil
	3C	6AWG-1600kcmil	2AWG-1600kcmil	AWG-1600kcmil		2AWG-1600kcmil	4/OAWG-1600kcmil

**Main technical characteristics**

**D. C Resistance of finished cable at 20°C per km is not more than the following:**

Nominal Cross-section mm <sup>2</sup>		25	35	50	70	95	120	150	185	240	300
20°C DC Resistance Ω/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
	Al	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Nominal Cross-section mm <sup>2</sup>		400	500	630	800	1000	1200	1400	1600	1800	2000
20°C DC Resistance Ω/km	Cu	0.0470	0.0366	0.0283	0.0211	0.0176	0.0151	0.0123	0.0108	0.0096	0.0086
	Al	0.0778	0.0605	0.0469	0.0367	0.0291	0.0247	0.0202	0.0177	0.0157	0.0141
Nominal Cross-section AWG		6	5	4	3	2	1	1/0	2/0	3/0	4/0
20°C DC Resistance Ω/km	Cu	1.3219	1.0453	0.8298	0.6594	0.5211	0.4149	0.3281	0.2605	0.2065	0.1640
	Al	2.1699	1.7167	1.3631	1.0802	0.8511	0.6783	0.5401	0.4276	0.3376	0.2688
Nominal Cross-section MCM		250	300	350	400	450	500	550	600	650	700
20°C DC Resistance Ω/km	Cu	0.1368	0.1158	0.0991	0.0865	0.0772	0.0695	0.063	0.0579	0.0534	0.0495
	Al	0.2273	0.1897	0.1623	0.1421	0.1263	0.1138	0.1302	0.0948	0.0874	0.0813
Nominal Cross-section MCM		750	800	900	1000	1100	1200	1300	1400	1500	1600
20°C DC Resistance Ω/km	Cu	0.0463	0.0434	0.0386	0.0347	0.0316	0.0289	0.0267	0.0248	0.0231	0.0217
	Al	0.0759	0.0711	0.0630	0.0569	0.0518	0.0473	0.0437	0.0405	0.0379	0.0357

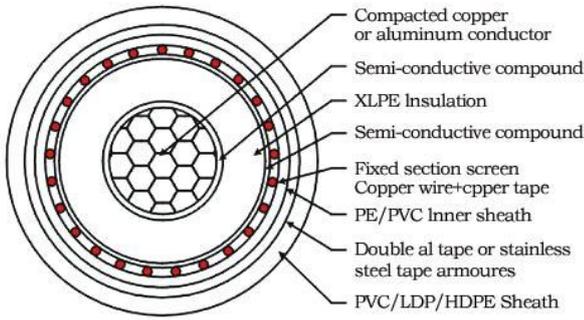


## Cable' s Main Type and Application

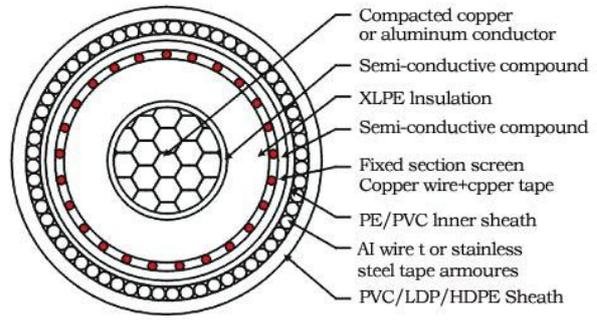
Type		Description	Main Application
Copper Conductor	Aluminum Conductor		
YJV Cu/XLPE/PVC	YJLV AL/XLPE/PVC	Copper or aluminum conductor XLPE insulated,Copper tape screen PVC sheathed power cable	For laying indoor tunnel,underground and canal.Unable to bear external mechanical pulling force and pressure during laid.
YJSV Cu/XLPE/CWS/PVC N2XS(SE)Y	YJLSV AL/XLPE/CWS/PVC NA2XS(SE)Y	Copper or aluminum conductor XLPE insulated,Copper wire+copper tape screen PVC sheathed power cable	For laying indoor, tunnel, underground and canal. Unable to bear external mechanical pulling force and pressure during laid, fault current requires large. Cws(Copper wire screen)type:A:Fixed section B:Full/One third/ One sixth/ One eighth/ One sixteenth neutral
YJV22 Cu/XLPE/STA/PVC	YJLV22 Al/XLPE/STA/PVC	Copper or aluminum conductor XLPE insulated,Copper tape sceen, steel tape armoured, PVC sheathed power cable.	For laying indoor, tunnel,underground and canal.Able to bear external mechanical force but unable to bear large pulling force.
YJSV22 Cu/XLPE/CWS/STA/ PVC N2XSEBY	YJLSV22 Al/XLPE/CWS/STA/ PVC NA2XSEBY	Copper or aluminum conductor XLPE insulated,Copper wire +copper tape screen,steel tape armoured,PVC sheathed power cable.	For laying indoor,tunnel, undergroundand canal. Able tobear external mechanical forces but unable to bear large pulling force..fault current requires large.CWS (Copper wire screen) type:Fixed section
YJV32 Cu/XLPE/SWA/PVC	YJLV32 Al/XLPE/SWA/PVC	Copper or aluminum conductor XLPE insulated,Copper tape screen, galvanized steel wire armoured,PVC sheathed power cable.	For laying in shaft,water under ground and large difference of level,able to bear external mechanical pressure and moderate pulling force.

Continue above table

Type		Description	Main Application
Copper Conductor	Aluminum Conductor		
YJSV32 Cu/XLPE/CWS/ SWA/PVC N2XSERY	YJLSV32 Al/XLPE/SWA/PVC NA2XSERY	Copper or aluminum conductor XLPE insulated,Copper wire+copper tape screen,galvanized steel wire armoured,PVC sheathed power cable.	For laying in shaft,water under ground and large difference of level,able to bear external mechanical pressure and moderate pulling force.Fault current requires large. CWS(Copper wire screen)type:Fixed section.
YJV42 Cu/XLPE/ SWA/PVC	YJLV42 Al/XLPE/ SWA/PVC	Copper or aluminum conductor XLPE insulated,Copper tape screen, heavy steel wire armoured,PVC sheathed power cable.	For laying in water,seabed and large difference of level,able to bear larger mechanical pressure and pulling force
YJSV42 Cu/XLPE/CWS SWA/PVC N2XSERY	YJLSV42 Al/XLPE/CWS/ SWA/PVC NA2XSERY	Copper or aluminum conductor XLPE insulated,Copper wire+copper tape screen,heavy steel wire armoured, PVC sheathed power cable.	For laying in water,seabed and large difference of level,able to bear larger mechanical pressure and pulling force,fault current requires large. CWS(Copper wire screen)type:Fixed section
YJV62 Cu/XLPE/AWA/ PVC	YJLV62 Al/XLPE/AWA/ PVC	Copper or aluminum conductor XLPE insulated,Copper tape screen, aluminum tape or stainless steel tape armoured,PVC sheathed power cable.	For laying indoors,tunnel,undergrou nd and canal.Able to bear external mechanical forces,but unable to bear large pulling force,mainly used in single core cables.
YJV72 Cu/XLPE/AWA/PVC	YJLV72 Al/XLPE/AWA/PVC	Copper or aluminum conductor XLPE insulated,Copper tape screen, aluminum wire or stainless steel wire armoured,PVC sheathed power cable.	For laying in shaft,water under ground and large difference of level,able to bear external mechanical pressure and moderate pulling force,mainly used in single core cables.
YJSV72 Cu/XLPE/CWS/ AWA/PVC	YJLSV72 Al/XLPE/CWS/ AWA/PVC	Copper or aluminum conductor XLPE insulated,Copper wire+copper tape screen,aluminum wire or stainless steel wire armoured, PVC sheathed power cable.	For laying in shaft,water under ground and large difference of level,able to bear external mechanical pressure and moderate pulling force,fault current requires large, mainly used in single core cables. CWS(Copper wire screen) type:Fixed section

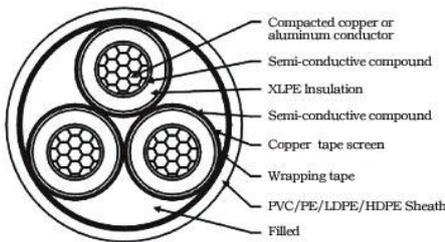


Drawing: Copper wire screen double al tape or stainless steel tape armored SC cable

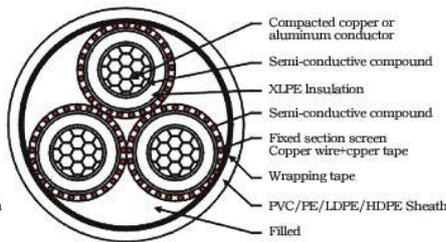


Drawing: Copper wire + copper tape screen al wire or stainless steel wire armor SC cable

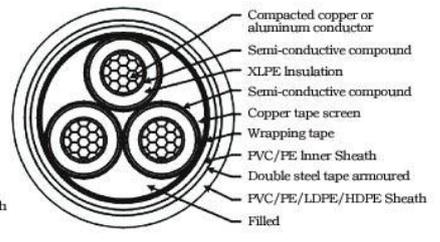
Drawing of cable



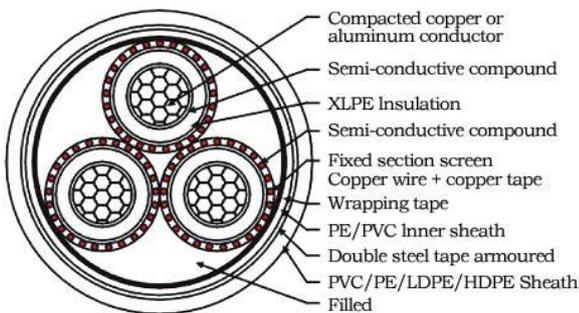
Drawing: Copper tape screen 3C cable



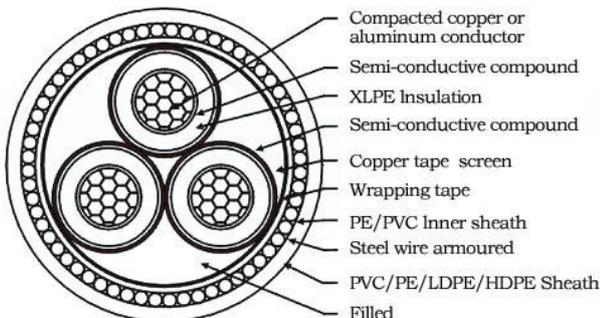
Drawing: Copper wire + copper tape screen 3C cable



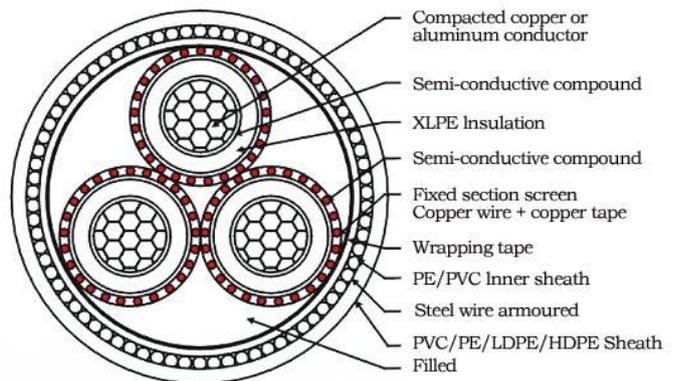
Drawing: Copper tape screen double steel tape armored 3C cable



Drawing: Copper wire + copper tape screen double steel tape armored 3C cable



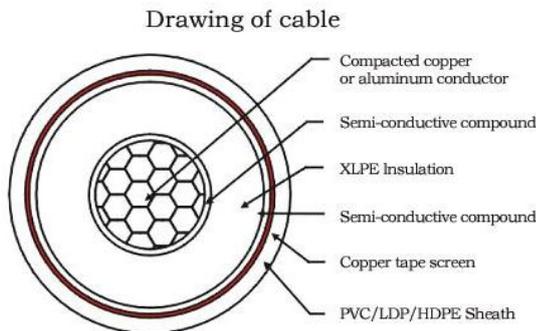
Drawing: Copper tape screen galvanized steel wire armored 3C cable



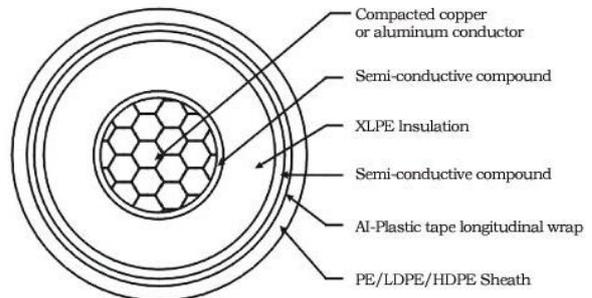
Drawing: Copper wire + copper tape screen double steel wire armored 3C cable

## Service conditions and operation parameters of Cable

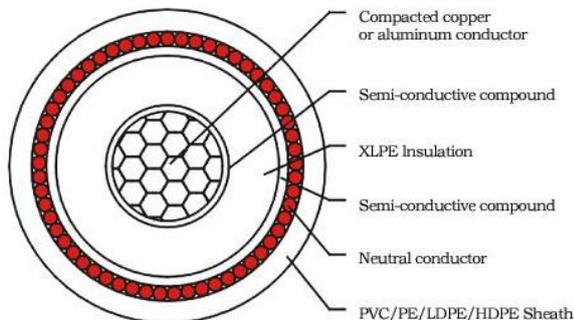
- A) Max. conductor operating temperature: 90°C
- B) Short Circuit Temperature: 250°C
- C) Ambient temperature: 30°C
- D) Soil temperature: 20°C
- E) Depth of laying in direct: 0.8m
- F) Thermal Resistance of soil: 150°C.cm/W
- G) Thermal Resistance of ducts: 120°C.cm/W



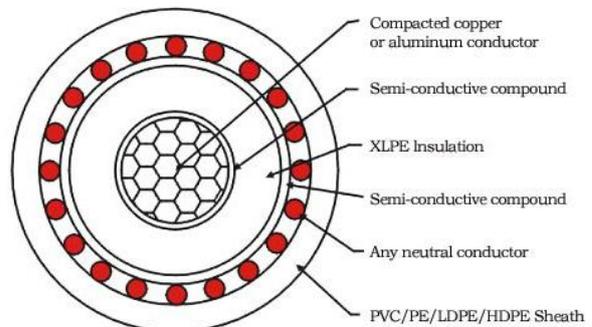
Drawing: Copper tape screen SC cable



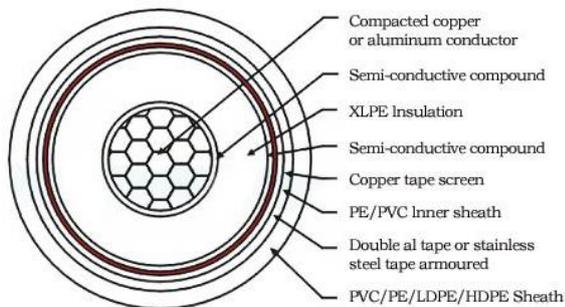
Drawing: Al-Plastic tape longitudinal wrap screen SC cable



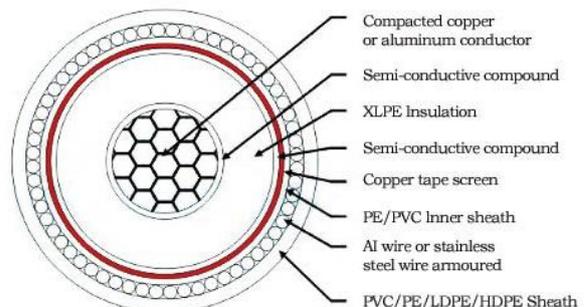
Drawing: Full neutral SC power cable



Drawing: Any neutral SC power cable



Drawing: Double Al tape or stainless steel tape armoured SC cable

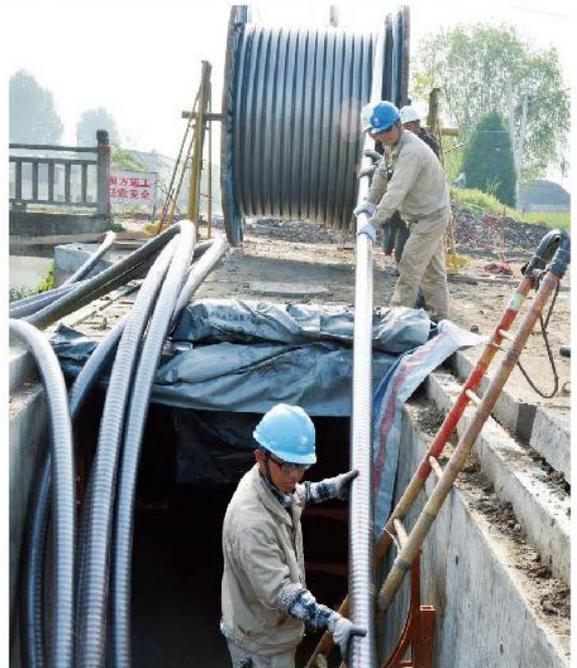


Drawing: Al wire or stainless steel wire armoured SC cable

# Factory tour



# Installation





# OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Registration No. 0350123S30480R3S

This is to certify that  
**Hongtai Cable Co., Ltd.**

Xiaokou village, Dongwang Town, Ningjin County  
Social Credit Code: 911305287984281793

is in conformity with  
**GB/T 45001-2020 / ISO 45001:2018 Standard**

Scope of certificate coverage

**Production and service of wires and cables within the scope  
of qualification (Site Covered: Dongwang Zhen Xiaokou village,  
Ningjin County, Xingtai City, Hebei Province).**

Date of issue: Jul. 20, 2023

Date of expiry at most: Jul. 19, 2026



中国合格  
评定国家  
管理体系  
认证中心  
CNAS-C035-M



Representative: *Wang Honglin*



NOTE: This certificate shall be maintained by regular surveillance audit.  
The validity of the certificate can be verified by scanning QR code.  
The information of the certificate can be available in <http://www.cnca.gov.cn>,  
the website of CNCA, and in our website <http://www.xqcc.com.cn>.

**XINGYUAN CERTIFICATION CENTRE CO., LTD.**

7FL, Tower C, Jiahua Plaza, No. 9 Shuangdi 3 St., Haidian, Beijing  
[www.xqcc.com.cn](http://www.xqcc.com.cn)



# QUALITY MANAGEMENT SYSTEM CERTIFICATE

Registration No. 0350123Q30806R3S

This is to certify that  
**Hongtai Cable Co., Ltd.**

Xiaokou village, Dongwang Town, Ningjin County  
Social Credit Code: 911305287984281793

is in conformity with  
**GB/T 19001-2016 / ISO 9001:2015 Standard**

Scope of certificate coverage

**Production and service of wires and cables within the scope  
of qualification (Site Covered: Dongwang Zhen Xiaokou village,  
Ningjin County, Xingtai City, Hebei Province).**

Date of issue: Jul. 20, 2023

Date of expiry at most: Jul. 19, 2026



中国认可  
国际互认  
管理体系  
MANAGEMENT SYSTEM  
CNAS C035-M



Representative: *Wang Honglin*



NOTE: This certificate shall be maintained by regular surveillance audit.  
The validity of the certificate can be verified by scanning QR code.  
The information of the certificate can be available in <http://www.cnca.gov.cn>,  
the website of CNCA, and in our website <http://www.xqcc.com.cn>.

**XINGYUAN CERTIFICATION CENTRE CO., LTD.**

7FL, Tower C, Jiahua Plaza, No.9 Shangdi 3 St., Haidian, Beijing  
[www.xqcc.com.cn](http://www.xqcc.com.cn)



# ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Registration No. 0350123E20500R3S

This is to certify that  
**Hongtai Cable Co., Ltd.**

Xiaokou village, Dongwang Town, Ningjin County  
Social Credit Code: 911305287984281793

is in conformity with  
**GB/T 24001-2016 / ISO 14001:2015 Standard**

### Scope of certificate coverage

**Production and service of wires and cables within the scope of qualification (Site Covered: Dongwang Zhen Xiaokou village, Ningjin County, Xingtai City, Hebei Province).**

Date of issue: Jul. 20, 2023

Date of expiry at most: Jul. 19, 2026



中国认可  
国际互认  
管理体系  
MANAGEMENT SYSTEM  
CNAS C035-M



Representative: *Wang Honglin*



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[www.xqcc.com.cn](http://www.xqcc.com.cn)



## GREEN POWER CERTIFICATION CERTIFICATE

Registration number: 126224MS5302R0S

**HongTai Cable Co.,Ltd**

Unified Social Credit Code: 911305287984281793

**Registered address:** Xiaokou Village, Dongwang Town, Ningjin County

**Business address:** Xiaokou Village, Dongwang Town, Ningjin County,  
Xingtai City, Hebei Province

**After evaluation, Its organization's green power system is in line with**

**CTS JC 011-2024"Technical Specification for Green Power Certificati**

**on"Through evaluation, the scope is as follows**

Green power management activities involved in the production and service of  
wires and cables within the scope of qualification

Date of first certification: September 13th, 2024

The certificate is valid until: September 12th, 2027



1. Visit the official website of the National Certification and accreditation administration ([www.cnca.gov.cn](http://www.cnca.gov.cn)).
2. The certified organization shall be subject to regular supervision and audit, and the certificate shall continue to be valid only after being audited and qualified.

**Jinchen Standard (Tianjin) Certification Group Co., LTD**

Room 201, gate 2, building 19, Qingda Boya garden, Shuangjie Town, Beichen District, Tianjin

Tel: 022-26970272

CERTIFICATE OF REGISTRATION



# GREEN FACTORY CERTIFICATION CERTIFICATE

Registration number:126224MS5303R0S

**HongTai Cable Co.,Ltd**

Unified Social Credit Code: 911305287984281793

**Registered address:** Xiaokou Village, Dongwang Town, Ningjin County

**Business address:** Xiaokou Village, Dongwang Town, Ningjin County, Xingtai City, Hebei Province

After evaluation, Its organization's green factory system is in line with  
CTS JC 005-2023 " Technical specification for green factory  
certification" certification scope:

**AAAAA**

The green factory level involved in the production and service of wires and cables within the scope of qualification(AAAAA level)

Date of first certification: September 13th, 2024      The certificate is valid until: September 12th, 2027



1. Visit the official website of the National Certification and accreditation administration ([www.cnca.gov.cn](http://www.cnca.gov.cn)).
2. The certified organization shall be subject to regular supervision and audit, and the certificate shall continue to be valid only after being audited and qualified.

**Jinchen Standard (Tianjin) Certification Group Co., LTD**

Room 201, gate 2, building 19, Qingda Boya garden, Shuangjie Town, Beichen District, Tianjin

Tel: 022-26970272

CERTIFICATE OF REGISTRATION



**CERTIFICATION CERTIFICATE OF INTELLIGENT MANUFACTURING MANAGEMENT SYSTEM**

Registration number: 126224MS5304R0S

**HongTai Cable Co.,Ltd**

Unified Social Credit Code: 911305287984281793

Registered address: Xiaokou Village, Dongwang Town, Ningjin County

Business address: Xiaokou Village, Dongwang Town, Ningjin County, Xingtai City, Hebei Province

**Certification meets the following standards**

CTS JC 007-2023" Technical specification of intelligent manufacturing management system" Scope of certification:

**A A A A A**

Intelligent manufacturing maturity evaluation involved in the production and service of wires and cables within the scope of qualification(AAAAA level)

Date of first certification: September 13th, 2024

The certificate is valid until: September 12th, 2027



1. Visit the official website of the National Certification and accreditation administration ([www.cnca.gov.cn](http://www.cnca.gov.cn)).
2. The certified organization shall be subject to regular supervision and audit, and the certificate shall continue to be valid only after being audited and qualified.

**Jinchen Standard (Tianjin) Certification Group Co., LTD**

Room 201, gate 2, building 19, Qingda Boya garden, Shuangjie Town, Beichen District, Tianjin

Tel: 022-26970272

CERTIFICATE OF REGISTRATION



## **Hongtai Cable Technology Co.,Ltd.**

Website: <https://www.qlcables.com>

Factory Address:

Ningjin County Xingtai City Hebei Province China

Email: [sales@qlcables.com](mailto:sales@qlcables.com)/ [export@qlcables.com](mailto:export@qlcables.com)

Phone: +86 18032066271/ 15081821939