Linoya 领亚®

Cable To Life 连接你我 感知生活

SINCE 1997

Product Brochure

We are committed to being a global professional cable manufacturer

Cable To Life

连接你我 感知生活

Linoya Electronic Technology Co.,Ltd

ADD: No 2,The fourth West Industrial Road,High-tech Industrial Development Zone.
Songshan Lake, Dongguan City, Guangdong Province,China.

TEL: 0769-85550688

Linoya Electronic Viet Nam Company Limited

ADD: Factory No 2, Lot IV.1-IV 4.2 Modul 1, Thuan Thanh 3 Industrial, ThanhKhuong Ward,
Thuan Thanh Town, Bac Ninh province, Vietnam

TEL: 0366.7070.2

www.linoya.com

Dongguan Linoya
Park

Meeting
Room

Exhibition
Hall

Inspection
Center

Shenzhen linoya
Park

Laboratory

Assembly
Workshops

Linoya 领亚®

CONTENTS

Core Strengths

- **28 Years of Technical Expertise:** Deep industry knowledge in intelligent transmission, smart power supply, and new materials, supported by integrated R&D, manufacturing, and sales capabilities.
- **Comprehensive Product Portfolio:** Offers extensive solutions for high-growth fields such as new energy vehicles, photovoltaics, 5G, IoT, and smart cities, including cables, connectors, outdoor waterproof products, and smart home components.
- **Advanced In-House Material Production:** Independ manufactures high-performance thermoplastic materials (e.g., TPU, XLPE, low-smoke halogen-free compounds), ensuring strict control over quality and performance.
- **Global Manufacturing Layout:** Operates multiple industrial parks and production bases in strategic locations including Shenzhen, Dongguan, Qishi, and Vietnam, enabling flexible and scalable supply chains.
- **Trusted Worldwide Reputation:** Products are sold in dozens of countries and recognized for high efficiency, superior quality, and reliable service, backed by international certifications.
- **Uncompromising Quality & Reliability:** Committed to using high-grade materials, incorporating performance and reliability into all designs.

Linoya 领亚

Partners

TE, Amphenol, D-Link, molex, legrand, HUAWEI, H3C 数字化解决方案领导者, ZTE中兴, 海康威视 HIKVISION, TP-LINK, BizLink, LUXSHARE ICT, DELTA, ACON, SAMSUNG, MMC MultimediaConnect, xiaomi, Midea 美的, LG, Panasonic, SKYWORTH 创维, lenovo 联想, UGREEN 绿联, APTIV, HKC, MITSUBISHI MOTORS, BYD, TESLA, 上汽大众 SAIC VOLKSWAGEN, LITEON

Development History

1997
Establishment of Linoya
Humen Factory in Dongguan

1999
Establishment of Linoya
Juqi Factory in Dongguan

2001
Establishment of Linoya
Juqi No.2 Factory in Dongguan

2003
Establishment of Linoya
Beishan Factory in Dongguan

2006
Establishment of Linoya
Ruiqiao Company in Dongguan

2008
Completion of Linoya
Shenzhen Industrial Park

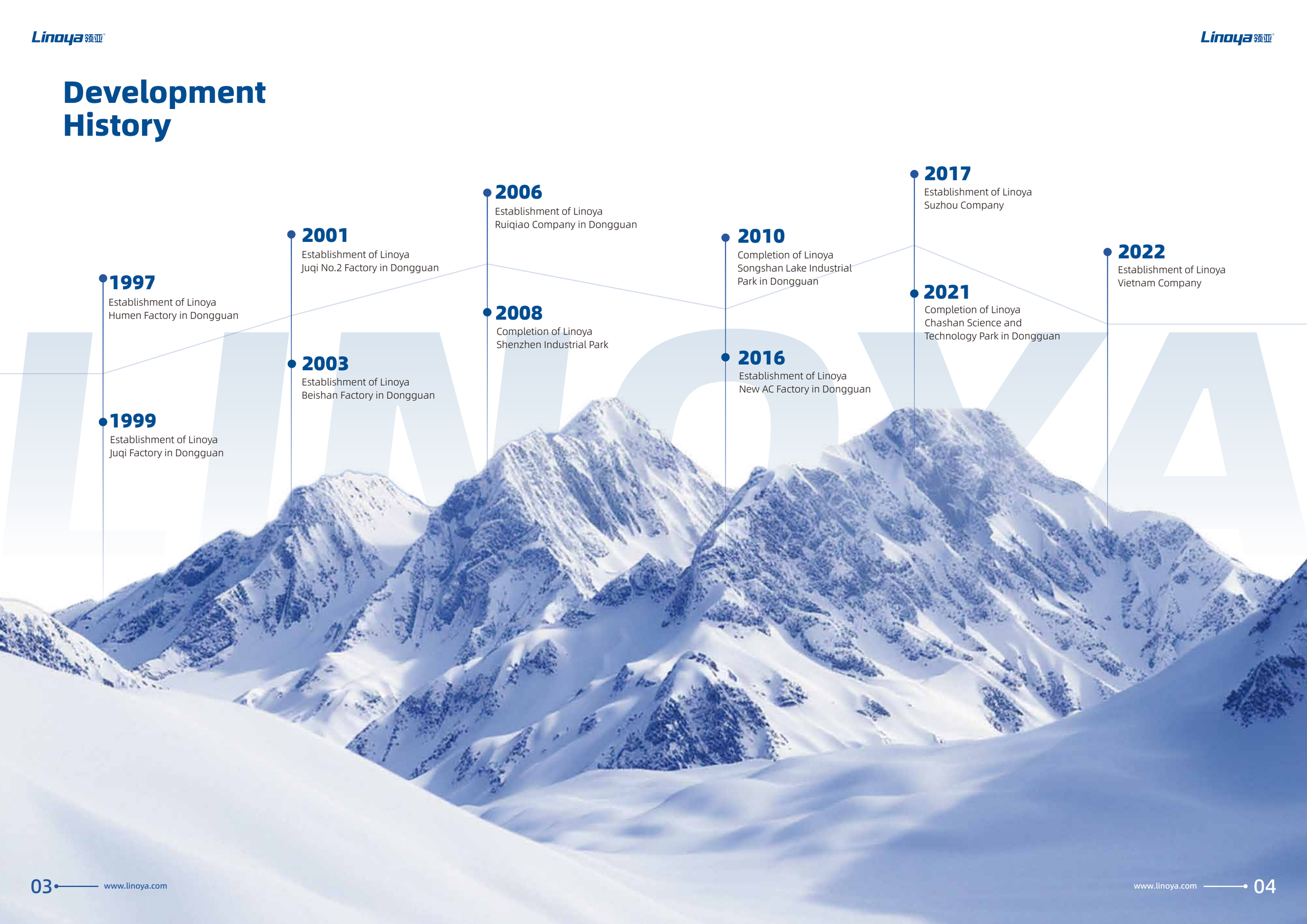
2010
Completion of Linoya
Songshan Lake Industrial
Park in Dongguan

2016
Establishment of Linoya
New AC Factory in Dongguan

2017
Establishment of Linoya
Suzhou Company

2021
Completion of Linoya
Chashan Science and
Technology Park in Dongguan

2022
Establishment of Linoya
Vietnam Company



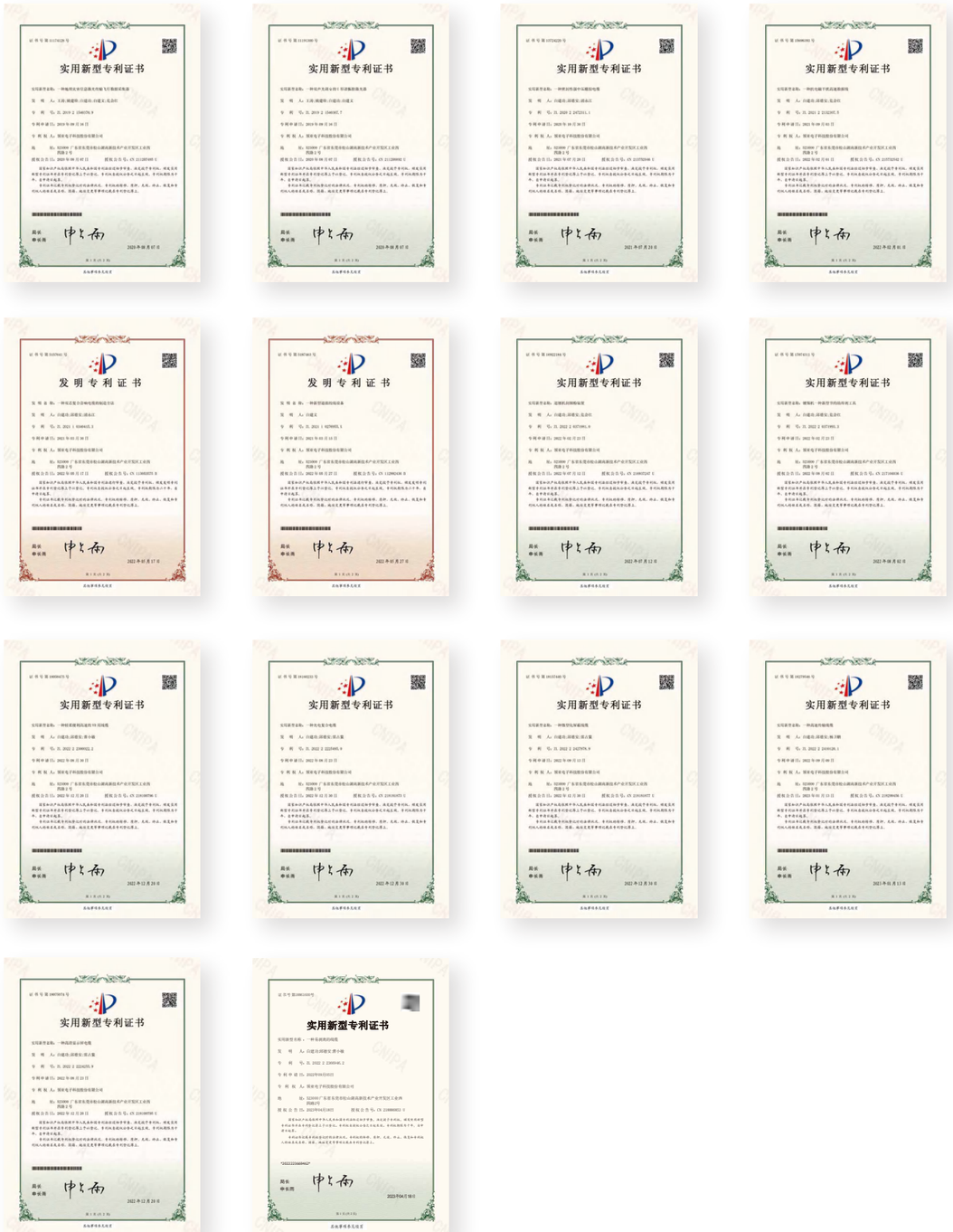
Certification

240

AuthoritativeCertification

105+

The number of patents



Application Distribution Map

Home Theater & Audio System

Network Cabling System

Access Control System

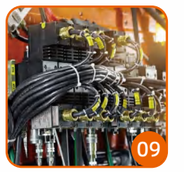
Outdoor Waterproof System

Outdoor Lighting System

Lighting Control System

PV Energy Storage System

High-Temperature Power Management System



Energy Management System

Building Management System

Fire Protection and Alarm System

New Energy Cables and Connectors

Automotive Ethernet System

Electronic Wire

Application Areas

·Suitable for internal wiring of electronic and electrical equipment.

Feature Description

·Structure: The core is a conductive copper conductor with an insulating layer on the outside.

·Performance: Flexible and easy to bend, wear-resistant and tensile; adaptable to different temperatures.

·Application: Used in various scenarios such as home appliances, industry, and communications.

Technical parameters

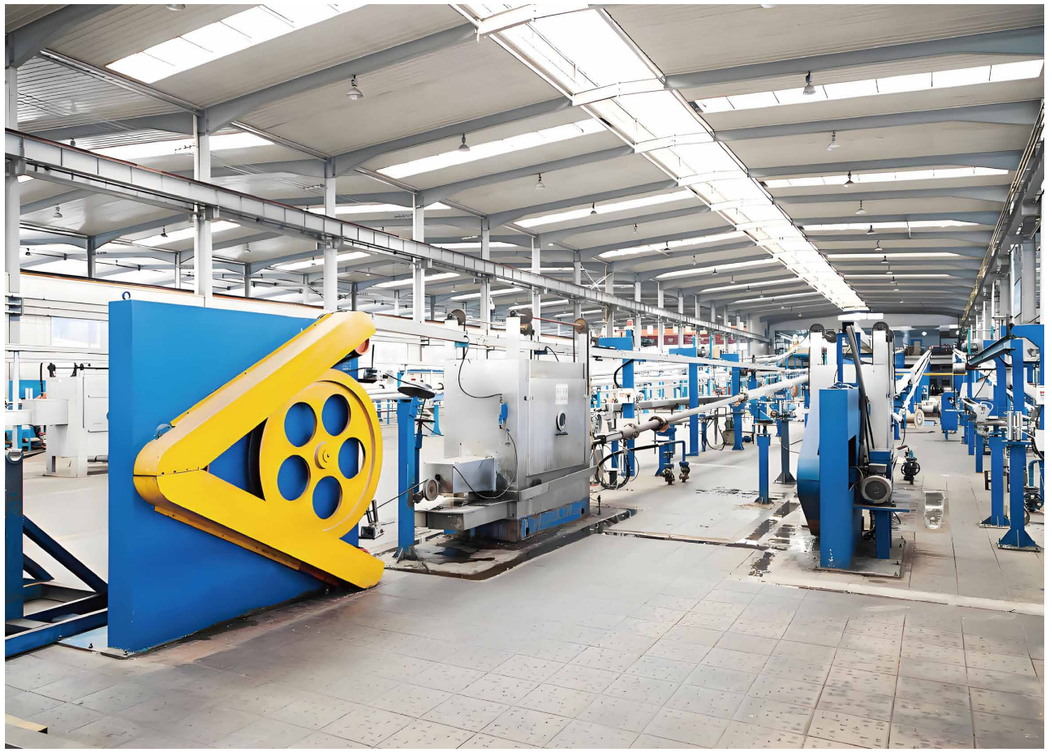
Reference Standard	UL758,UL1581,CSA C22.2 No.210.2
Certification	E315618,242699/E315619,242699
Environmental performance	Compliant with RoHS 2.0 and REACH

Product Description

File Number	Cond min	Cond max	Temperature (°C)	Voltage (V)	Insulation
1007	32 AWG	16 AWG	80	300 (AC)	PVC
1010	28 AWG	12 AWG	105	300 (AC)	PVC
10168	30 AWG	10 AWG	80，90，105	300 (AC)	PVC
1015	30 AWG	2000kcmils	80,90,105	600 (AC)/750 (DC)	PVC
1028	22 AWG	6 AWG	105	600 (AC)	PVC
1056	20 AWG	10 AWG	105	600 (AC)	PVC
1095	30 AWG	16 AWG	80	300 (AC)	PVC
1284	8 AWG	1000 kcmil	105	600 (AC)	PVC
1316	26 AWG	12 AWG	90	600 (AC)	PVC
1452	26 AWG	12 AWG	90	1000 (AC)	PVC
1500	26 AWG	9 AWG	105	600 (AC)	PVC
1569	30 AWG	2 AWG	80,90,105	300 (AC)	PVC
1674	30 AWG	12 AWG	105	300 (AC)	PVC
1731	50 AWG	10 AWG	105	300 (AC)	PVC
1792	40 AWG	N/A	80	30 (AC)	PVC
10198	30 AWG	4/0 AWG	105	300 (AC)	PVC
10269	30 AWG	2000kcmil	80,90,105	1000(AC)/1250(AC)	PVC
10272	36 AWG	20 AWG	80	150(AC)	PVC
10918	32 AWG	10 AWG	105	600 (AC)	PVC
10958	30 AWG	10 AWG	105	600 (AC)	PVC
11627	30 AWG	2000 kcmil	105	2000(AC)/2000(DC)	PVC
20080	40 AWG	N/A	60,80,90,105	30 (AC)	PVC
20288	18 AWG	12 AWG	60,75,80,90,105	300 (AC)	PVC
2468	32 AWG	16 AWG	80	300 (AC)	PVC
2651	36 AWG	14 AWG	105	300 (AC)	PVC
2689	N/A	N/A	60	30 (AC)	PVC
2877	40 AWG	16 AWG	80	300 (AC)	PVC
20058	40 AWG	18 AWG	60,80	30 (AC)	PVC
1430	30 AWG	16 AWG	105	300 (AC)	XLPVC

Product Description

File Number	Cond min	Cond max	Temperature (°C)	Voltage (V)	Insulation
1431	30 AWG	1000 kcmil	105	600 (AC)	XLPVC
3443	32 AWG	14 AWG	105	300 (AC)	XLPVC
3443	32 AWG	14 AWG	105	300 (AC)	XLPVC
1061	30 AWG	14 AWG	80	300 (AC)	SRPVC
10071	36 AWG	18 AWG	80	300 (AC)	SRPVC
3071	18 AWG	13 AWG	200	600 (AC)	SR
3074	12 AWG	12 AWG	200	600 (AC)	SR
3122	26 AWG	16 AWG	200	300 (AC)	SR
3132	30 AWG	4/0 AWG	150	300 (AC)	SR
3133	30 AWG	4/0 AWG	150	600 (AC)	SR
3135	26 AWG	12 AWG	200	600 (AC)	SR
3367	26 AWG	10 AWG	200	300 (AC)	SR
3512	0.3 - 250 SQ mm		200	600 (AC)	SR
3239	24 AWG	10 AWG	105	3000 (AC)	SR
1617	N/A	N/A	105	600 (AC)	Labeled
1618	N/A	N/A	80	300 (AC)	Labeled
1672	N/A	N/A	105	300 (AC)	Labeled
2474	N/A	N/A	105	600 (AC)	Labeled
2476	N/A	N/A	80	300 (AC)	Labeled
2598	N/A	N/A	60	300 (AC)	Labeled
2734	N/A	N/A	80	30 (AC)	Labeled
10981	30 AWG	16 AWG	80	300 (AC)	MPPE-PE
11027	40 AWG	10 AWG	105	300 (AC)	MPPE
11030	40 AWG	10 AWG	105	90 (AC)	MPPE
21458	32 AWG	16 AWG	80	300 (AC)	MPPE-PE
21515	36 AWG	14 AWG	105	300	MPPE
21516	36 AWG	14 AWG	105	600(AC)	MPPE
10255	36 AWG	N/A	60，80	30 (AC)	TPE
10439	32 AWG	16 AWG	80	300 (AC)	TPE
1631	40 AWG	N/A	60,80	30 (AC)	PE
1354	44 AWG	N/A	60,80	30 (AC)	Solid PE or FRPR,Solid FEP or PVC,FEP
1375	36 AWG	N/A	60,80	30 (AC)	Non-irradiated solid PE
1516	36 AWG	10 AWG	105	0 (AC)	ETFE
1640	40 AWG	N/A	80	30 (AC)	PE,Polyester,PP,XLPE
1691	40 AWG	N/A	80	30 (AC)	PE,XLPE
10446	36 AWG	16 AWG	80	300 (AC)	FRPE ,PE
10466	36 AWG	16 AWG	60,80	300 (AC)	PP
10602	40 AWG	10 AWG	80	300 (AC)	FRPE
21311	32 AWG	16 AWG	80	300 (AC)	FRPE,PE
2896	42AWG	12 AWG	80	30 (AC)	PVC,PET,Polyester,PI,
20624	42AWG	12 AWG	80	60 (AC)	PVC，PETP，polyester，polyimide
20696	40 AWG	14 AWG	80	30 (AC)	Polyester
20798	40 AWG	1000 kcmil	80	60 (AC)	PET



Control Cable

Application Areas

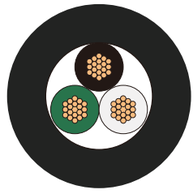
·Suitable for internal wiring of electronic and electrical equipment.

Feature Description

·High-quality oxygen-free copper conductor with low resistance, low attenuation and long transmission distance;
·Optimized twisted pitch for stable transmission;
·High-quality environmental protection sheath to protect the inside of the cable from damage and ensure safe transmission.

Technical parameters

Reference Standard	UL758,UL1581,CSA C22.2 No.210.2
Certification	E315618,242699/E315619,242699
Environmental performance	Compliant with RoHS 2.0 and REACH



Product Description

File Number	Cond min	Cond max	Temperature (°C)	Voltage (V)	Insulation	Jacket
1032	30 AWG	2000kcmils	90	1000 (AC)/1200 (DC)	PVC	PVC
1107	30 AWG	16 AWG	60	300 (AC)	FRPE,PE	PVC
1185	30 AWG	4/0 AWG	80	300 (AC)	PVC	PVC
1347	26 AWG	16 AWG	80	300 (AC)	PVC	PVC
1365	30 AWG	16 AWG	60	300 (AC)	FRPE,PE	PVC
1533	30AWG	16 AWG	80	0 (AC)	SRPVC	PVC
1642	32 AWG	16 AWG	80	300 (AC)	PVC	PVC
1777	30 AWG	16 AWG	80	300 (AC)	SRPVC	PVC
10453	28 AWG	12 AWG	60，80，90，105	30 (AC)	PVC	PVC
11352	N/A	N/A	80	30 (AC)	Labeled	PVC
11353	N/A	N/A	80	300 (AC)	Labeled	PVC
20276	40 AWG	N/A	60,80	30 (AC)	Labeled	PVC
20295	40 AWG	N/A	80	300 (AC)	Labeled	PVC
2095	32 AWG	N/A	80	300 (AC)	Labeled	PVC
2096	30 AWG	16 AWG	80	300 (AC)	PVC	PVC
21149	N/A	N/A	60，80，90，105	30 (AC)	Labeled	PVC
21996	50 AWG	N/A	105	300 (AC)	PVC	PVC
22129	N/A	N/A	80	30 (AC)	Labeled	PVC
2405	30 AWG	16 AWG	80	300 (AC)	PVC	PVC
2408	26 AWG	16 AWG	60	300 (AC)	PVC	PVC
2463	40 AWG	N/A	80	600(AC)	Labeled	PVC
2464	N/A	N/A	80	300 (AC)	Labeled	PVC
2516	40 AWG	N/A	105	600(AC)	Labeled	PVC
2517	40 AWG	N/A	105	300(AC)	Labeled	PVC
2547	30 AWG	16 AWG	80	0 (AC)	SRPVC	PVC
2552	40 AWG	N/A	60	30 (AC)	FRPE,PE,PP,XLFRPE,XLPE,XLPPFoamed FRPE,Foamed PE, Foamed PP,Foamed XLFRPE,Foamed XLPE,Foamed XLPP	PVC
2555	N/A	N/A	80	300 (AC)	Labeled	PVC
2562	30 AWG	16 AWG	80	300 (AC)	PVC	PVC
2576	36 AWG	9 AWG	80	150 (AC)	Labeled	PVC
2586	40 AWG	N/A	105	600 (AC)/1000 (AC)	Labeled	PVC
2661	40 AWG	6 AWG	60，90，105	300 (AC)	Labeled	PVC
2725	N/A	N/A	60,80	30 (AC)	Labeled	PVC
2733	N/A	N/A	105	600 (AC)	PVC	PVC
2789	N/A	N/A	60	30 (AC)	Labeled	PVC
2791	40 AWG	N/A	80	30 (AC)	FRPE,PE,XLFRPE,XLPE	PVC
2835	40 AWG	N/A	60	30 (AC)	Labeled	PVC
2845	30 AWG	16 AWG	80	300 (AC)	PVC	PVC
2851	40 AWG	N/A	80	30 (AC)	PVC,XLPVC-	PVC
2854	40 AWG	N/A	80	30 (AC)	Labeled	PVC

Product Description

File Number	Cond min	Cond max	Temperature (°C)	Voltage (V)	Insulation	Jacket
2919	40 AWG	N/A	80	30 (AC)	Labeled	PVC
2960	32 AWG	N/A	60	30 (AC)	PE,PP	PVC
2990	40 AWG	N/A	80	30 (AC)	Labeled	PVC
20095	30 AWG	20 AWG	60	30 (AC)	PVC	PVC
20251	33 AWG	18 AWG	60	150 (AC)	PP	PVC
20379	50 AWG	N/A	80	30 (AC)	Labeled	PVC
22082	50 AWG	18 AWG	105	30 (AC)	FEP	PVC
1685	40 AWG	N/A	105	30 (AC)	PVC,XLPVC	PVC,XLPVC
3302	40 AWG	N/A	105	30 (AC)	XLPE,Foamed XLPE	PVC,XLPVC
1571	50 AWG	N/A	80	30 (AC)	PVC,SRPVC,XLPVC,XLSRPVC	PVC, SRPVC, foamed PVC, foamed SRPVC, XLPVC, XLSRPVC, foamed XLPVC or foamed XLSRPVC
21002	符合AWM	符合AWM	105	300 (AC)/600 (AC)	Labeled	TPE
21104	40 AWG	2000 kcmil	80	30 (AC)	Labeled	TPE
21144	N/A	N/A	80	300 (AC)	Labeled	TPE
21184	40 AWG	N/A	80	600 (AC)/1000 (AC)	Labeled	TPE
21235	40 AWG	N/A	80	300 (AC)	Labeled	TPE
21371	N/A	N/A	80	30 (AC)	Labeled	TPE
21394	N/A	N/A	80	30 (AC)	Labeled	TPE
21445	N/A	N/A	80	30 (AC)	Labeled	TPE
21572	N/A	N/A	80	30 (AC)	Labeled	TPE
20327	36 AWG	N/A	105	300 (AC)	Labeled	TPE
20626	N/A	N/A	80,90	30 (AC)/150 (AC)/300 (AC)/600 (AC)	Labeled	TPE
20844	36 AWG	10 AWG	80	30 (AC)	Labeled	TPE
10795	N/A	N/A	60	30 (AC)	Labeled	FRPE
10800	N/A	N/A	80	300 (AC)	Labeled	FRPE
20851	40 AWG	N/A	60,80	30 (AC)	Labeled	FRPE
20855	40 AWG	N/A	80	30 (AC)	Labeled	FRPE
21064	40 AWG	20 AWG	80	30 (AC)	Labeled	FRPE
21088	40 AWG	N/A	60,80	30 (AC)	Labeled	FRPE
21099	40 AWG	N/A	80	30 (AC)	Labeled	FRPE
21100	40 AWG	N/A	80	30 (AC)	Labeled	FRPE
21101	40 AWG	N/A	60,80	30 (AC)	Labeled	FRPE
21118	50 AWG	N/A	80	30 (AC)	Labeled	FRPE
21143	26 AWG	16 AWG	60,80	300 (AC)/600 (AC)	Labeled	FRPE，PE
21304	N/A	N/A	60	30 (AC)	Labeled	FRPE
21306	N/A	N/A	60	300 (AC)	Labeled	FRPE
21307	N/A	N/A	80	300 (AC)	Labeled	FRPE
21309	N/A	N/A	60	600 (AC)	Labeled	FRPE
21310	N/A	N/A	80	600 (AC)	Labeled	FRPE
11212	N/A	N/A	80	300 (AC)	Labeled	mPPE-PE
21451	N/A	N/A	80	30 (AC)	Labeled	mPPE-PE
21455	N/A	N/A	80	30 (AC)	Labeled	mPPE-PE
21469	N/A	N/A	80	30 (AC)	Labeled	mPPE-PE
21476	N/A	N/A	80	30 (AC)	Labeled	mPPE-PE
21508	N/A	N/A	105	300 (AC)	Labeled	mPPE
21510	N/A	N/A	105	600(AC)	Labeled	mPPE
20197	36 AWG	16 AWG	60	30 (AC)	PP	TPU
20236	36 AWG		80	30 (AC)	Labeled	TPU
20279	36 AWG	16 AWG	80	30 (AC)	Labeled	TPU
20010	N/A	N/A	105	300 (AC)	Labeled	XLPE
3239	24-10 AWG copper or nickel, or 12-10 AWG aluminum, or 27-20 AWG resistance wire; solid or stranded. Or 24-10 AWG solid or stranded high-strength copper - minimum conductivity 90%		150	3000	silicone rubber	Optional
3385	32 AWG	10 AWG	105	300 (AC)	XLPE	Optional, except when using shielding. PVC
3386	32 AWG	4/0 AWG	105	600 (AC)	XLPE	Optional, used when shielding is required. PVC

High Temperature Wire

Application Areas

·Widely used in aviation, metallurgy, petroleum, electronic instruments, instruments and meters, household appliances, double transformers and motor lead wires.

Feature Description

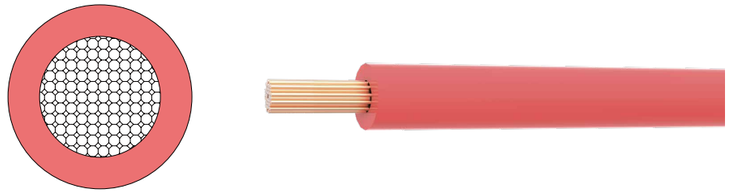
·High-quality oxygen-free copper conductors offer low resistance, minimal attenuation, and long transmission distances;

·Standard thickness, easy to peel and cut;

·Excellent thermal stability, mechanical wear resistance, and electrical insulation properties.

Technical parameters

Reference Standard	UL758,UL1581,CSA C22.2 No.210.2
Certification	E315618,242699/E315619,242699
Environmental performance	Compliant with RoHS 2.0 and REACH



Teflon Wire

File Number	Cond min	Cond max	Temperature (°C)	Voltage (V)	Insulation
10045	36 AWG	14 AWG	150	0 (AC)	FEP
10050	30 AWG	4/0 AWG	150	600 (AC)	FEP
10064	40 AWG	N/A	105	30 (AC)	FEP
10111	40 AWG	N/A	105	90 (AC)	FEP
10308	n/a	N/A	200	600 (AC)	FEP
10331	36 AWG	10 AWG	150/200	300 (AC)	FEP
1330	30 AWG	4/0 AWG	200	600 (AC)	FEP
1331	30 AWG	4/0 AWG	150	600 (AC)	FEP
1332	30 AWG	10 AWG	200	300 (AC)	FEP
1333	30 AWG	10 AWG	150	300 (AC)	FEP
1538	36 AWG	6 AWG	105	125 (AC)	FEP
1591	32 AWG	16 AWG	150	300 (AC)	FEP
1592	32 AWG	16 AWG	200	300 (AC)	FEP
1723	32 AWG	16 AWG	200	300 (AC)	FEP
1886	30 AWG	10 AWG	150	300 (AC)	FEP
1900	30 AWG	10 AWG	200	300 (AC)	FEP
1901	30 AWG	4/0 AWG	200	600 (AC)	FEP
10331	36 AWG	10 AWG	150/200	300 (AC)	FEP
10588	50 AWG	10 AWG	200	600 (AC)	FEP
11049	30 AWG	10 AWG	200	10000(AC)	FEP
10588	50 AWG	10 AWG	200	600 (AC)	FEP

Silicone Rubber Wire

File Number	Cond min	Cond max	Temperature (°C)	Voltage (V)	Insulation
3122	26 AWG	16 AWG	200	300 (AC)	SR
3132	30 AWG	4/0 AWG	150	300 (AC)	SR
3133	30 AWG	4/0 AWG	150	600 (AC)	SR
3135	26 AWG	12 AWG	200	600 (AC)	SR
3367	26 AWG	10 AWG	200	300 (AC)	SR
3512	0.3 - 250 SQ mm		200	600 (AC)	SR
3239	24 AWG	10 AWG	105	3000 (AC)	SR

Fire-resistant cable (for fire systems)

File Number	Number of cores	Cross-sectional area (mm²)	Voltage rating (U0/U)	Insulation material	Sheath material	Conductor type	Fire resistance rating	Typical applications
H07V-K-FR	2-4	1.5-6	450/750V	PVC	PVC	Class 2	90min@750℃	Fire alarm system
H05Z1Z1-FR	2-4	1.5-6	300/500V	LSOH	LSOH	Class 2	120min@950℃	Emergency lighting, smoke exhaust fan power supply
FP 200 Gold	2-4	1.5-16	750V	MgO	RVVP	Class 1	180min@1000℃	Nuclear power plants, data center core areas

File Number	Number of cores	Cross-sectional area (mm²)	Voltage rating (U0/U)	Insulation material	Sheath material	Conductor type	Special features	Typical applications
H07Z1Z1-F-PE	2-5	1.5-35	450/750V	LSOH	PE	Class 2	UV and chemical resistance	Outdoor solar panel connections
H07BZ1-K-CY	2-5	2.5-16	450/750V	XLPE	LSOH	Class 2	Copper mesh shielding	Anti-interference wiring for industrial automation
H07Z1Z1-F-SC	2-5	1.5-25	450/750V	LSOH	LSOH	Class 2	Self-supporting structure (with steel wire reinforcement)	Overhead installation, span transmission

PV Cable

Application Areas

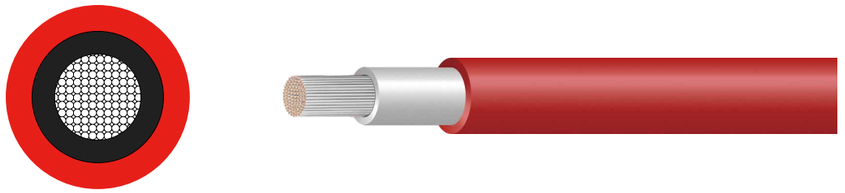
·Suitable for use on the DC side of PV systems, as well as in AC voltage systems with a rated power frequency voltage of 0.6/1 kV in PV systems. Directly convert solar energy into electricity in a PV system. The cable is UV resistant, temperature resistant, and can be used as a separate connection to a solar battery.

Feature Description

·High-quality oxygen-free copper conductors offer low resistance, minimal attenuation, and long transmission distances.

Technical parameters

Reference Standard	UL4703,UL1581,CSA C22.2 No.210.2
Certification	TUV /UL
Environmental performance	Compliant with RoHS 2.0 and REACH



Product Description

Product range	Specification	Conductor stranded OD	Insulation thickness	Sheath thickness	Finish OD
H1Z2Z2-K	1×1.5mm2	1.58	0.70	0.80	5.40
	1×2.5mm2	2.04	0.70	0.80	5.90
	1×4mm2	2.60	0.70	0.80	6.60
	1×6mm2	3.18	0.70	0.80	7.40
	1×10mm2	4.07	0.70	0.80	8.80
	1×16mm2	5.23	0.70	0.90	10.10
	1×25mm2	6.50	0.90	1.0	12.50
	1×35mm2	7.70	0.90	1.10	14.0
	1×50mm2	9.0	1.0	1.20	16.30
	1×70mm2	10.8	1.10	1.20	18.70
	1×95mm2	12.6	1.10	1.30	20.80
	1×120mm2	14.2	1.20	1.30	22.80
	2×1.5mm2	1.58	0.70	0.80	5.4×11.2
	2×2.5mm2	2.04	0.70	0.80	5.9×12.4
	2×4mm2	2.60	0.70	0.80	6.6×13.8
	2×6mm2	3.18	0.70	0.80	7.4×15.4
	2×10mm2	4.07	0.70	0.80	8.8×18.5
	2×16mm2	5.23	0.70	0.90	10.1×21.1
	2×25mm2	6.50	0.90	1.0	12.5×26.0
	2×35mm2	7.70	0.90	1.10	14.0×29.2
PV	18AWG	1.18	1.90	5.0	5.20
	16AWG	1.49	1.90	5.50	6.20
	14AWG	1.88	1.90	5.90	6.60
	12AWG	2.04	1.90	6.40	7.10
	10AWG	3.0	1.90	7.20	7.90
	8AWG	3.80	2.41	9.0	9.50
	6AWG	4.78	2.41	10.1	10.60
	4AWG	5.95	2.41	11.5	12.0
	2AWG	7.56	2.41	13.3	13.80
	1AWG	8.50	2.79	15.5	15.90
	1/0AWG	9.48	2.79	16.6	17.20
	2/0AWG	10.80	2.79	17.9	18.50
	3/0AWG	12.0	2.79	19.5	20.0
	4/0AWG	14.08	2.79	21.2	21.80
	18AWG	1.18	0.76	0.76	4.20
	16AWG	1.49	0.76	0.76	4.50
	14AWG	1.88	0.76	0.76	4.90
	12AWG	2.04	0.76	0.76	5.10
	10AWG	3.0	0.76	0.76	6.0
	8AWG	3.80	1.14	0.76	8.30
	6AWG	4.78	1.14	1.14	9.30
	4AWG	5.95	1.14	1.14	10.50
	2AWG	7.56	1.14	1.14	12.10
	1AWG	8.50	1.40	1.52	14.35
	1/0AWG	9.48	1.40	1.52	15.40
	2/0AWG	10.80	1.40	1.52	16.60
	3/0AWG	12.0	1.40	1.52	17.80
	4/0AWG	14.08	1.40	1.52	20.0

Fire Alarm Wire

Application Areas

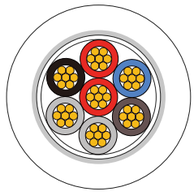
·Used for connecting fire alarm equipment such as fire alarms and smoke detectors in various places.

Feature Description

·High-quality copper-free cable, non-degradable, and long-lasting.
·High-flammability insulation and protective sheath materials ensure safety and reliability.
·Flexible cable allows for easy bending and routing.

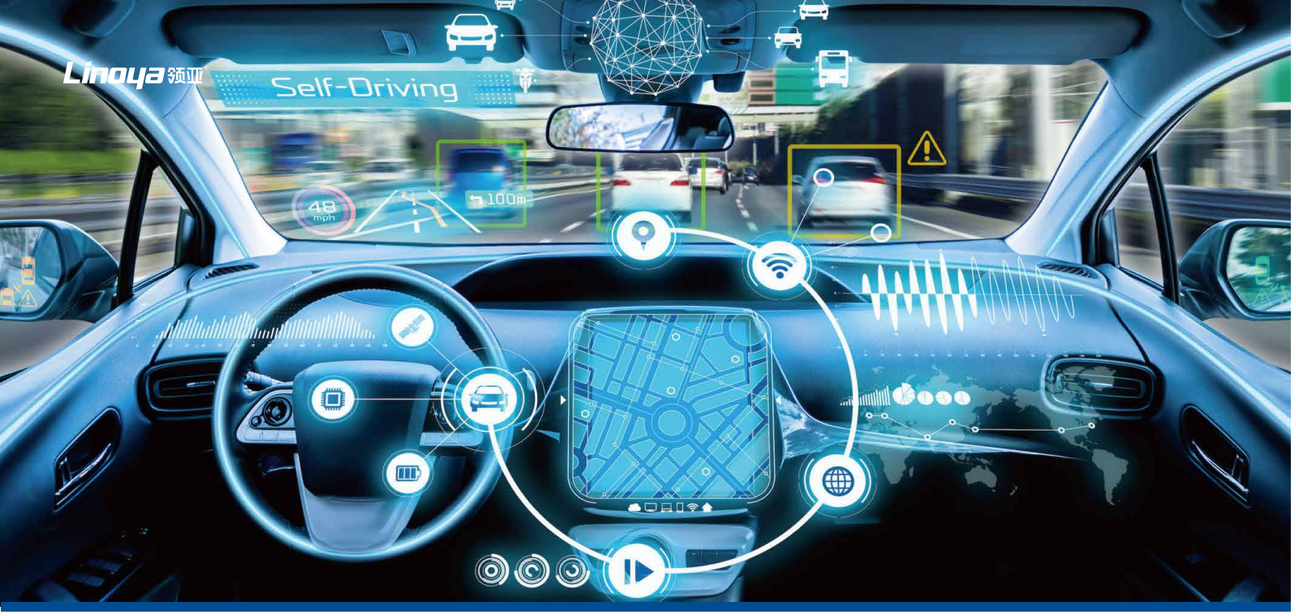
Technical parameters

Reference Standard	Eca
Certification	EN50575,CEI 46-76, CEI UNEL 36762
Environmental performance	Compliant with RoHS 2.0 and REACH



Product Description

Products	Outer Diameter	Sheath	CPR
4X0，22	3,90 mm	LSZH	Eca
6X0，22	4,60 mm	LSZH	Eca
2X0，22+2X0，50	4,20 mm	LSZH	Eca
4X0，22+2X0，50	4,70 mm	LSZH	Eca
6X 0，22+ 2X 0，50	4,90 mm	LSZH	Eca
4X 0，22+ 2X 0，75	5,10 mm	LSZH	Eca
6X 0，22+ 2X 0，75	5,20 mm	LSZH	Eca



Automotive Cables

Coaxial cable

Application Areas

·Mainly used for vehicle signal transmission cables, such as car antennas, GPS, reversing images, driving recorders, radars, etc.

Feature Description

·Structure: It features a concentric cylindrical structure, with a single conductor at the center, wrapped in an insulating layer,then a metal shielding layer, and a protective sheath as the outermost layer.

·Features: The shielding layer can effectively isolate external interference, reduce signal loss, and issuitable for high-frequency, long-distance signal transmission.

·Advantages: It has strong anti-interference capability and stable signal transmission, and is commonly used in audio-visual, communication and other scenarios.

Ethernet multi-core cable

Application Areas

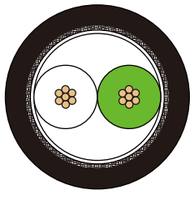
·Designed for automotive Ethernet bus systems, this bus is designed to provide a flexible and scalable Ethernet cabling solution thatenhances vehicle safety and comfort, provides infotainment, and significantly reduces in-vehicle network complexity and cabling costs.It replaces the CAN bus and serves as the optimal bus for 5G communications.

Feature Description

·Structure: 2 copper core conductors, covered with an insulating sheath, some with a shielding layer.

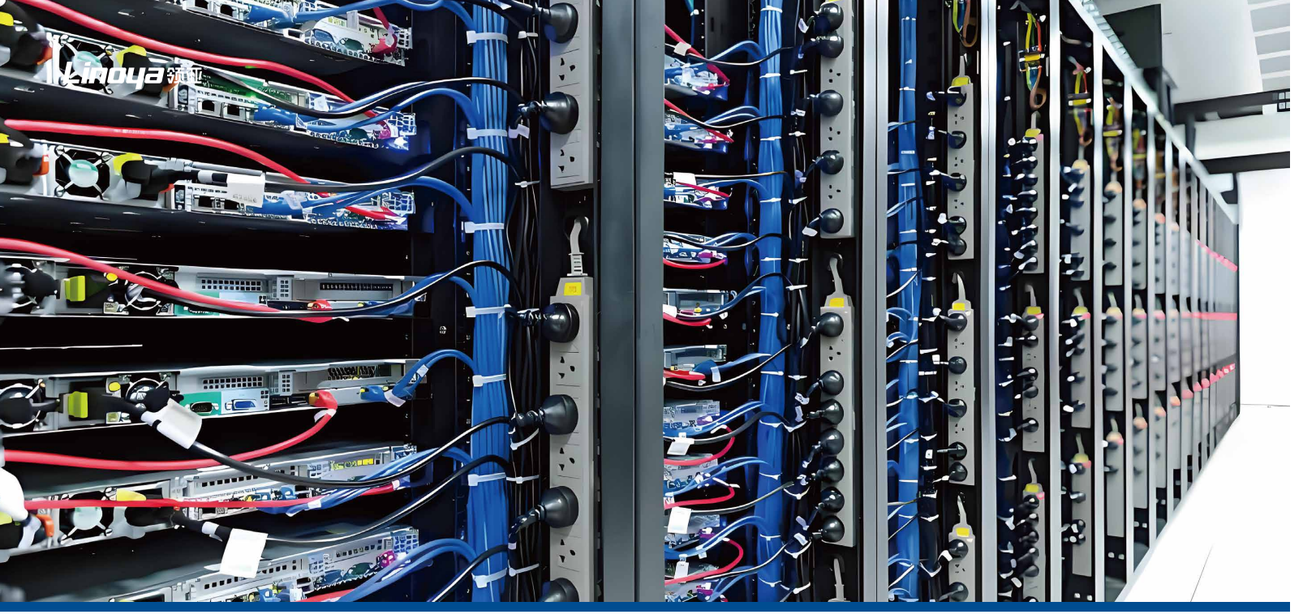
·Features: The twisted wire design reduces signal interference and supports high-speed data transmission.

·Applications: Widely used in computer network connections, such as wired communication between routers, switches and computers.



Product Description

Specification	Conductor O.D. (mm)	Insulation material	Insulation O.D. (mm)	Aluminium foil shielding	Braided shield coverage %	Outer diameter (mm)
LY174LL(xx)-50	7/0.16	Polypropylene	1.52±0.05	AL/PETP/AL	85min	2.80±10
LY174LL(xx)-50	1/0.45	XL-PE	1.52±0.05	AL/PETP	85min	2.80±10
LY-462(xx)-50	7/0.16	XL-PE	1.52±0.05	AL/PETP/AL	80min	2.80±10
LY-462(xx)-50	7/0.16	Polypropylene	1.52±0.05	AL/PETP/AL	80min	2.80±10
RTK031(xx)-50	7/0.27	Foamed Polypropylene	2.10±0.05	AL/PETP/AL	90min	3.30±10
RTK031(xx)-50	7/0.254	Foamed Polypropylene	2.05±0.05	AL/PETP/AL	90min	3.30±10
RTK044(xx)-50	1/0.86	Foamed Polypropylene	2.40±0.05	AL/PETP/AL	90min	3.55±10
RTK044(xx)-50	1/0.86	Foamed Polypropylene	2.35±0.05	AL/PETP/AL	90min	3.35±10
LY-546	7/0.254	Polypropylene	1.26±0.05	/	TPE-S	3.80±10
LY-647-4	7/0.154	Polypropylene	0.95±0.05	AL/PETP/AL	85min	4.10±10
LY-686-3	7/0.16	Foamed Polypropylene	0.95±0.05	AL/PETP/AL	85min	3.80±10



Network Cable

Application Areas

·It is mainly used in areas that require stable, high-speed wired data transmission.

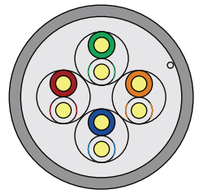
Feature Description

·Structure: Mostly composed of 8 copper core wires, divided into 4 twisted pairs, with an insulating sheath on the outer layer, and some with a shielding layer.

·Performance: The twisted pair design reduces interference, supports high-speed data transmission, and features stable transmission and strong anti-interference capability.

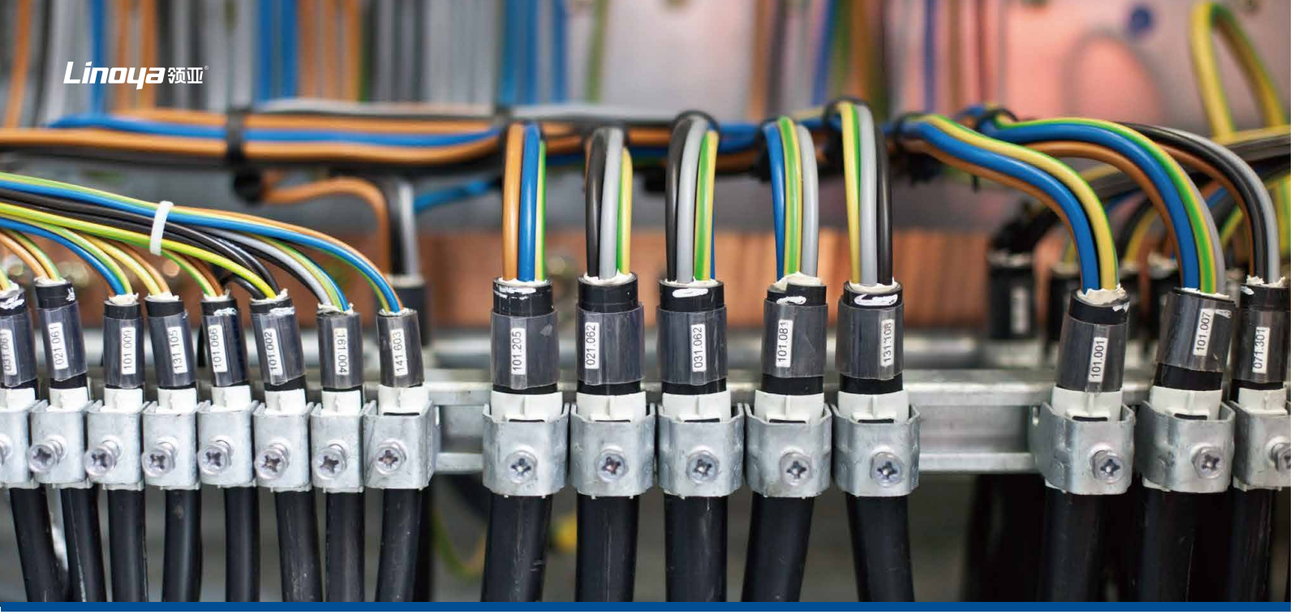
Technical parameters

Certification	E320763/ETL/UL/CPR
Flame retardant	CM/CMG/CMR/CMP，Eca/Dca/B2ca
Reference standards	TA，EIA568-C.2，EN5017381E0，EC11801，GB/T 18015.5



Product Description

MODEL	JACKET	AWG	Reference standard
CAT5E U/UTP	PVC/LSZH/LDPE	24AWG	TA/EIA568-C.2/ EN5017381E0/ EC11801/YD-T1019
CAT5E F/UTP	PVC/LSZH/LDPE	24AWG	
CAT5E SF/UTP	PVC/LSZH/LDPE	24AWG	
CAT6 U/UTP	PVC/LSZH/LDPE	24AWG/23AWG	
CAT6 F/UTP	PVC/LSZH/LDPE	24AWG/23AWG	
CAT6 SF/UTP	PVC/LSZH/LDPE	24AWG/23AWG	
CAT6A U/UTP	PVC/LSZH/LDPE	23AWG	
CAT6A SF/UTP	PVC/LSZH/LDPE	23AWG	
CAT6A U/FTP	PVC/LSZH/LDPE	23AWG	
CAT6A F/FTP	PVC/LSZH/LDPE	23AWG	
CAT7 SF/UTP	PVC/LSZH/LDPE	23AWG	
CAT7 F/FTP	PVC/LSZH/LDPE	23AWG	
CAT7A SF/UTP	PVC/LSZH/LDPE	22AWG	
CAT7A F/FTP	PVC/LSZH/LDPE	22AWG	
CAT8 SF/UTP	PVC/LSZH/LDPE	22AWG	
CAT8 F/FTP	PVC/LSZH/LDPE	22AWG	



Fieldbus Cable

Application Areas

·It is used to connect intelligent instruments, control circuits, actuators and other field equipment.
It can be used for fixed or flexible installation of cables in harsh environments. It is easy to cut.

Feature Description

·Stable transmission over long distances;
·Excellent anti-interference performance;
·Capable of realizing both power and signal transmission simultaneously.

Technical parameters

Operating voltage	600V and below
perating temperature	40℃-180℃
Environmental performance	Compliant with RoHS 2.0 and REACH

Product Description

CAN Bus	1x2x0.34 mm² 2x2x0.34 mm²	**PROFIBUS PA**	18AWG(0.88 mm²)x1P 18AWG(0.88 mm²)x2P
Profiba PB	22AWG(0.25 mm²)x1P 22AWG(0.25 mm²)x2P	**Profibus-DP**	22AWG(0.25 mm²)x1P 22AWG(0.25 mm²)x2P
RS485	4 AWGx 1 P/2 P/3 P/4 P 22 AWGx 1 P/2 P/3 P/4 P 20 AWGx 1 P/2 P/3 P/4 P 18 AWGx 1 P/2 P/3 P/4 P 16 AWGx 1 P/2 P/3 P/4 P 1.0mm2x 1 P/2 P/3 P/4 P 1.5mm2x1P/2P/3P/4P 2.5mm2x 1 P/2 P/3 P/4 P	**RS232**	24AWGx1P/2P/3P/4P 22AWGx1P /2P/3P/4P 20AWGx1P /2P/3P/4P 18AWGx1P /2P/3P/4P 16AWGx1P /2P/3P/4P 1.0mm2x1P/2P/3P/4P 1.5mm2x1P /2P/3P/4P 2.5mm2x1P /2P/3P/4P
RS422	24 AWGx 1 P/2 P/3 P/4 P 22 AWGx 1 P/2 P/3 P/4 P 20 AWGx 1 P/2 P/3 P/4 P 18 AWGx 1P/2 P/3 P/4 P 16 AWGx 1P/2 P/3 P/4 P 1.0mm2x 1P/2 P/3 P/4 P 1.5mm2x1 P/2P/3P/4P 2.5mm2x1 P/2P/3P/4P		
KNX	1x2x0.8 mm 2x2x0.8 mm 4x0.8 mm		

Product Description

Model	CAN bus、Profiba、DeviceNet、CC-Link、KNX/EIB、RS 485/RS 232

Rubber Cable

Application Areas

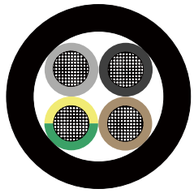
·It is applied to the regulations of strong electrica equipment and general electric wires.Suitable for outdoor, household power supply cable and complete sets ofwire, all kinds ofmobile power tools, refrigeration equipment,engineering machinery, agricultural machineryand aquarium series electrical equipmentand other powersupplywire. Weather and oil resistant

Feature Description

·Bare or tinned stranded copper conductor
·EPRinsulation
·CPE/CR jacket

Technical parameters

Operating voltage	300V or 500V
perating temperature	-15℃ –60℃
Environmental performance	Compliant with RoHS 2.0 and REACH

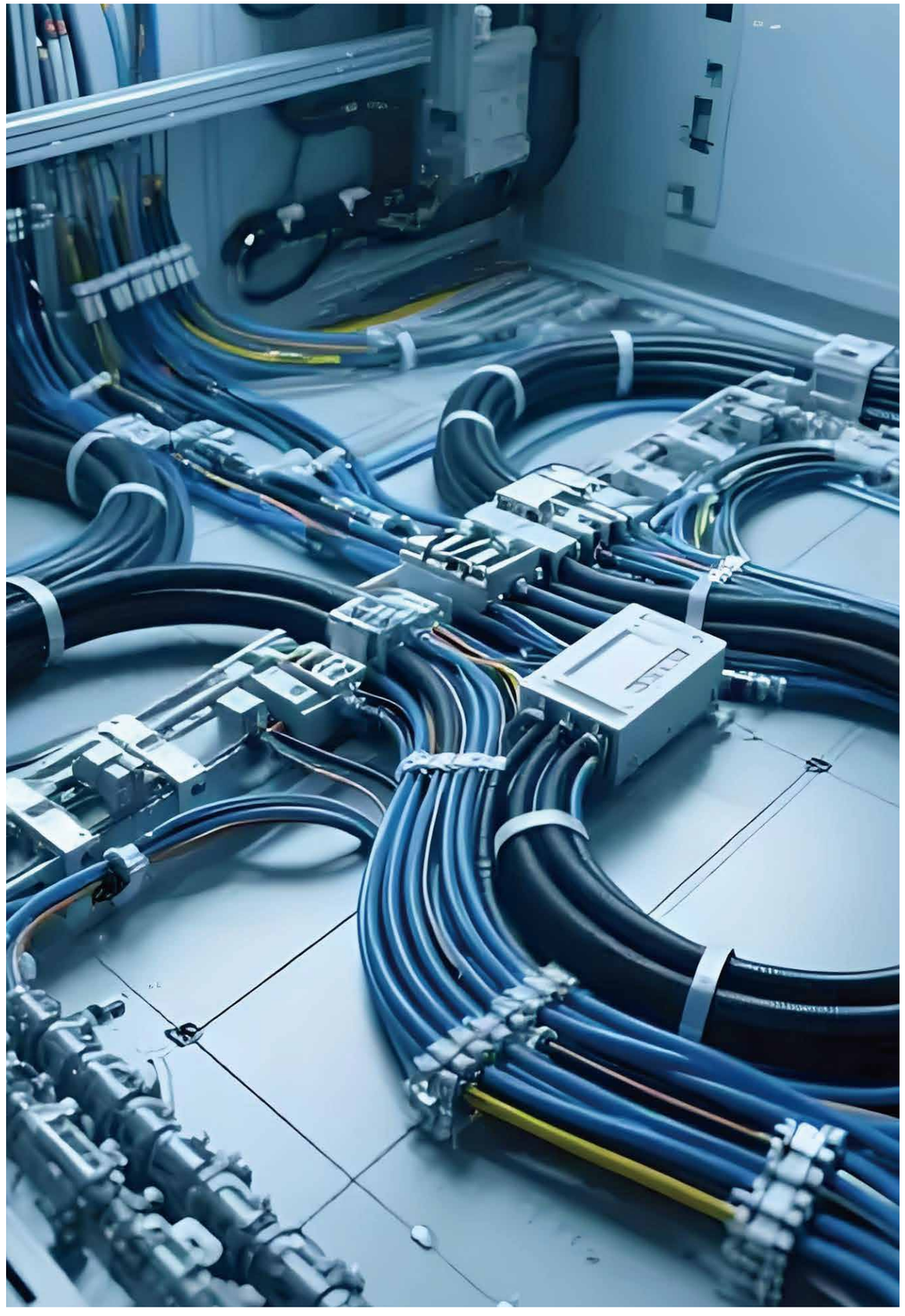


Product Description

Type	Conductor		Insulation	Jacket		Max.Cond.Resist. ohm/km/20℃	
	Area (mm^2)	Construction (No./mm)	Diam.of Single (mm)Max	Nom. Thick (mm)	Nom. Thick (mm)	Diam.(mm)	Bare copper	Tinned copper
HO5RR-F	0.75/2C	24/0.20	0.21	0.60	0.80	6.30±0.15	26.0	26.7
	1.0/2C	32/0.20	0.21	0.60	0.90	6.80±0.15	19.5	20.0
	1.5/2C	30/0.25	0.26	0.80	1.00	8.40±0.15	13.3	13.7
	2.5/2C	49/0.25	0.26	0.90	1.10	9.90±0.15	7.98	8.21
	0.75/3C	24/0.20	0.21	0.60	0.90	6.80±0.15	26.0	26.7
	1.0/3C	32/0.20	0.21	0.60	0.90	7.20±0.15	19.5	20.0
	1.5/3C	30/0.25	0.26	0.80	1.00	8.90±0.15	13.3	13.7
	2.5/3C	49/0.25	0.26	0.90	1.10	10.6±0.20	7.98	8.21
	0.75/4C	24/0.20	0.21	0.60	0.90	7.50±0.15	26.0	26.7
	1.0/4C	32/0.20	0.21	0.60	0.90	7.90±0.15	19.5	20.0
	1.5/4C	30/0.25	0.26	0.80	1.10	10.0±0.20	13.3	13.7
	2.5/4C	49/0.25	0.26	0.90	1.20	11.7±0.20	7.98	8.21
	0.75/5C	24/0.20	0.21	0.60	1.00	8.50±0.15	26.0	26.7
	1.0/5C	32/0.20	0.21	0.60	1.00	9.00±0.15	19.5	20.0
	1.5/5C	30/0.25	0.26	0.80	1.10	10.9±0.20	13.3	13.7
	2.5/5C	49/0.25	0.26	0.90	1.30	13.0±0.20	7.98	8.21

Product Description

Type	Conductor			Insulation	Jacket		Max.Cond.Resist. ohm/km/20℃	
	Area (mm^2)	Construction (No./mm)	Diam.of Single (mm)Max	Nom. Thick (mm)	Nom. Thick (mm)	Diam.(mm)	Bare copper	Tinned copper
HO5RN-F	2x0.75	24/0.20	0.21	0.80	0.80	6.30±0.15	26.0	26.7
	2x1.0	32/0.20	0.21	0.90	0.90	6.80±0.15	19.5	20.0
	2x1.5	30/0.25	0.21	1.00	1.00	8.40±0.15	13.3	13.7
	2x2.5	49/0.25	0.21	1.10	1.10	9.90±0.15	7.98	8.21
	3x0.75	24/0.20	0.21	0.90	0.90	6.80±0.15	26.0	26.7
	3x1.0	32/0.20	0.21	0.90	0.90	7.20±0.15	19.5	20.0
	3x1.5	30/0.25	0.21	1.00	1.00	8.90±0.15	13.3	13.7
	3x2.5	49/0.25	0.21	1.10	1.10	10.60±0.20	7.98	8.21
	4x0.75	24/0.20	0.21	0.90	0.90	7.50±0.15	26.0	26.7
	4x1.0	32/0.20	0.21	0.90	0.90	7.90±0.15	19.5	20.0
	4x1.5	30/0.25	0.21	1.10	1.10	10.0±0.20	13.3	13.7
	4x2.5	49/0.25	0.21	1.20	1.20	10.70±0.20	7.98	26.7
	5x0.75	24/0.20	0.21	1.00	1.00	8.50±0.15	26.0	26.7
	5x1.0	32/0.20	0.21	1.00	1.00	9.00±0.15	19.5	20.0
	5x1.5	30/0.25	0.21	1.10	1.10	10.90±0.20	13.3	26.7
	5x2.5	49/0.25	0.21	1.30	1.30	13.00±0.20	7.98	26.7
AO5RN-F	4x0.75	24/0.20	0.210.21	1.00	1.00	7.70±0.15	26.0	26.7
HO7RN-F	1.5/1C	30/0.25	0.26	0.80	1.40	6.00±0.15	13.3	13.7
	2.5/1C	49/0.25	0.26	0.90	1.40	6.70±0.15	7.98	8.21
	1.012C	32/0.20	0.21	0.80	1.30	8.50±0.15	19.5	20.0
	1.512C	30/0.25	0.26	0.80	1.50	9.40±0.15	13.3	13.7
	2.512C	49/0.25	0.26	0.90	1.70	11.1±0.20	7.98	8.21
	1.0/3C	32/0.20	0.21	0.80	1.40	9.20±0.15	19.5	20.0
	1.513C	32/0.25	0.26	0.80	1.60	10.1±0.20	3.3	13.7
	2.513C	49/0.25	0.26	0.90	1.80	11.9±0.20	7.98	8.21
	1.0/4C	32/0.20	0.21	0.80	1.50	10.1±0.20	19.5	20.0
	1.514C	30/0.25	0.26	0.80	1.70	11.1±0.20	13.3	13.7
	2.5/4C	49/0.25	0.26	0.90	1.90	13.2±0.20	7.98	8.21
	1.0/5C	32/0.20	0.21	0.80	1.60	11.2±0.20	19.5	20.0
	1.515C	30/0.25	0.26	0.80	1.80	12.3±0.20	13.3	13.7
	2.515C	49/0.25	0.26	0.90	2.00	14.4±0.20	7.98	8.21



EV Cable

Application Areas

·In electric vehicles, the high-voltage electrical system is mainly responsible for starting, driving, charging and discharging, air-conditioning power, etc. It mainly includes the battery system, power assembly, high-voltage electronic control system, charging system, high-voltage equipment, and their wiring harness systems.

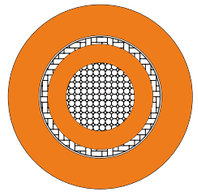
·High-voltage wires for electric vehicles are used in fields such as connecting the charging port to the battery, inside the battery, the battery to the motor and other components, as well as battery energy storage devices, serving as the carrier for power transmission.

·Due to the harsh application environment inside the vehicle, high-voltage cables for electric vehicles have very high performance requirements.

·Characteristics of the application scenarios for electric vehicle cables: small wiring space, large current and high voltage, frequent high and low temperature environments with poor heat dissipation, harsh vehicle driving environments with salt spray and electromagnetic fields, exposure to oil stains and chemicals, as well as environmental protection and safety requirements such as low smoke, zero halogen, and flame retardancy.

Feature Description

·New energy cableWithstand extreme environments such as high and low temperatures, vibration and corrosion to ensure stable operation;
·Resist high voltage, carry large current, feature low loss and anti-interference, enabling efficient and safe power transmission;
·Adopt environment-friendly flame-retardant materials, complying with safety and environmental standards;
·Good flexibility, suitable for wiring in narrow spaces; some have both bending resistance and wear resistance.



Product Description

Product Standards	product structure	Rated voltage	Specification
QC/T 1037 standard	Shielded cable	AC 600 / DC 900V	1.5 square to 70 square
		AC 1000 / DC 1500V	10 square to 120 square
	unshielded cable	AC 600 / DC 900V	1.5 square to 70 square方
		AC 1000 / DC 1500V	10 square to 120 square
	Multi-core shielded cable	AC 600 / DC 900V	2~5 cores*1.5 square meters, 2~5 cores*2.5 square meters, 2~5 cores*4 square, 2~5 cores*6 square

Speaker Cable

Application Areas

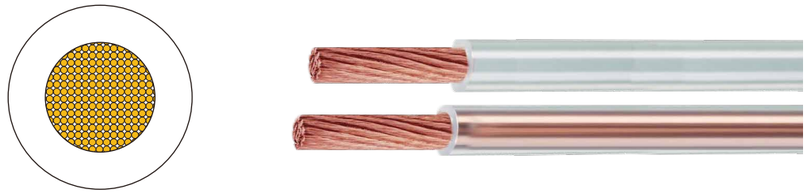
·Used in audio systems in conference rooms, entertainment venues, home theaters, etc.

Feature Description

·High-purity composite conductor, flexible, low resistance, minimal attenuation, and full-quality sound quality;
·Environmentally friendly soft high-strength material, high-temperature resistance and high strength;
·Simple structural design, convenient and efficient installation.

Technical parameters

Operating voltage	300/500V and below
perating temperature	-40℃ ~+80℃
Environmental performance	Compliant with RoHS 2.0 and REACH



产品描述/Product Description

Serial number	Model	Approximate wire diameter (mm)	Theoretical cable weight (Kg/Km)
1	Transparent Speaker Cable 200 Core	3.5*7.2	55
2	Transparent Speaker Cable 300 Core	3.8*7.8	65
3	Transparent Speaker Cable 400 Core	4.3*8.8	100
4	Transparent Speaker Cable 600 Core	4.8*9.8	125
5	Transparent Speaker Cable 800 Core	5.3*10.8	150
6	HTX-100 Dual-Core Sleeve Cable	6.0	50
7	Audio/Video HD-SDK	2.8	65
8	Outdoor Podium Speaker Cable 2 x 1.0mm²	7.0	25
9	Outdoor Podium Speaker Cable 2 x 1.5mm²	8.1	30
10	Outdoor Podium Speaker Cable 2 x 2.5mm²	9.4	45
11	American Standard Speaker Cable 18AWG x 2C	4.5	28
12	American Standard Speaker Cable 16AWG x 2C	5.1	40
13	American Standard Speaker Cable 16AWG x 4C	6.3	75
14	American Standard Speaker Cable 14AWG x 2C	6.2	60
15	American Standard Speaker Cable 14AWG x 4C	7.5	110
16	American Standard Speaker Cable 12AWG x 2C	7.7	88

Lighting Wire

Application Areas

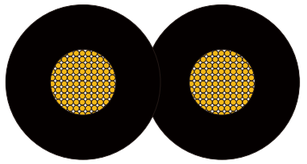
·It is mainly used in homes, commercial places, public facilities and industrial scenarios to provide power transmissionconnections for various lighting equipment.

Feature Description

·It has stable electrical conductivity, is suitable for conventional voltages, and has good flexibility for easy wiring. Some types have certain temperature resistance, insulation, and flame retardancy, meeting the safe power supply requirements of lighting equipment in different scenarios.

Technical parameters

Reference Standard	UL62
Certification	E315620
Environmental performance	Compliant with RoHS 2.0 and REACH



Product Description

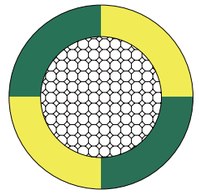
Style	Cores	Conductor			Insulation			Dielectric Strength (ACV,1min)	Maximum Resistance (Ω/km,20℃)
						jacket			
		Size (AWG)	Construction (No/mm)	Out-Dia. (mm)	Thick (mm)	2-Cores	with drain		
SPT-1	2	18	41/0.160	1.20	0.76	2.7X5.4	-	6.66	1,600
	3	18	41/0.160	1.20	0.76	-	2.7	6.66	1,600
SPT-1W	2	18	41/0.160	1.20	0.76	2.7X5.4	-	6.66	1,600
SPT-1-R	2	18	41/0.160	1.20	0.76	2.7X5.4	2.7	6.66	1.600
SPT-2 SPT-2-R	2	18	41/0.160	1.20	1.14	3.5X6.9	-	6.66	1,600
	2	16	65/0.160	1.50	1.14	3.7X7.3	-	4.19	1,600
	3	18	41/0.160	1.20	1.14	-	3.5X8.6	6.66	1,600
	3	16	65/0.160	1.50	1.14	-	3.8X9.6	4.19	1.600
SPT-2W	2	18	41/0.160	1.20	1.14	3.5X6.9	-	6.66	1,600
	2	16	65/0.160	1.50	1.14	3.7X7.3	-	4.19	1.600

Fixed Wiring Cable

Application Areas

Low-voltage Power Distribution (300/500V): Power Supply for End DevicesApplication Scenarios: Residential/office sockets, small household appliances (coffee machines, printers), low-voltage electronic devices (routers, surveillance cameras).

Power Distribution (450/750V and above): Power Supply for High-power EquipmentApplication Scenarios: Central air conditioning systems, electric water heaters, elevators, water pumps, industrial-grade kitchen equipment (ovens, dishwashers).



Product Description

File Number	Number of cores	Cross-sectional area (mm^2)	Voltage rating (U0/U)	Insulation material	Sheath material	Conductor type	Flame retardant grade	Typical applications
H05VV-F	2-5	0.75-16	300/500V	PVC	PVC	Class 2	FT1	Socket and lighting fixed wiring
H07VV-F	2-5	1.5-35	450/750V	PVC	PVC	Class 2	FT1	Power equipment
H05VVC4-F	2-5	0.75-16	300/500V	PVC	PVC	Class 2	Cca	Fire-retardant wiring for public areas (malls, schools)
H07VVC4-F	2-5	1.5-35	450/750V	PVC	PVC	Class 2	Cca	Fire-retardant power supply for industrial equipment
H03VVH2-F	2-3	0.5-1.5	300/300V	PVC	PVC	Class 5	FT1	Mobile connections for small appliances (desk lamps, fans)
H05Z1Z1-F	2-5	0.75-16	300/500V	LSOH	LSOH	Class 2	B1	Eco-friendly environments
H07Z1Z1-F	2-5	1.5-35	450/750V	LSOH	LSOH	Class 2	B1	Power wiring for high-end buildings
H01Z2Z2-K	2-5	0.5-2.5	300/500V	LSOH	LSOH	Class 5	B2	Mobile devices (coffee machines, vacuum cleaners)
H03Z1Z1-F	2-3	0.5-1.5	300/300V	LSOH	LSOH	Class 5	B2	Smart lighting, low-voltage equipment

File Number	Number of cores	Cross-sectional area (mm^2)	Voltage rating (U0/U)	Insulation material	Sheath material	Conductor type	Protection level	Typical applications
SWA-Cable	3-4	16-240	600/1000V	XLPE	PVC/LSOH	Class 2	IP65	Underground pipelines, heavy machinery power supply
H07BZ1-K-SWA	3-4	16-95	600/1000V	XLPE	LSOH	Class 2	IP65	Outdoor high-voltage equipment, corrosion-resistant environments
H07Z1Z1-F-SWA	3-4	10-50	450/750V	LSOH	LSOH	Class 2	IP65	Subway tunnels, coastal buildings