

OHORY ELECTRIC

Leading Busduct Manufacturer

Ohory Busway provides a safe, reliable, and cost-effective solution for distributing electrical power in commercial and industrial applications.



About Us

15years+

More than 15 years of experience in the manufacturing and development of busway system.



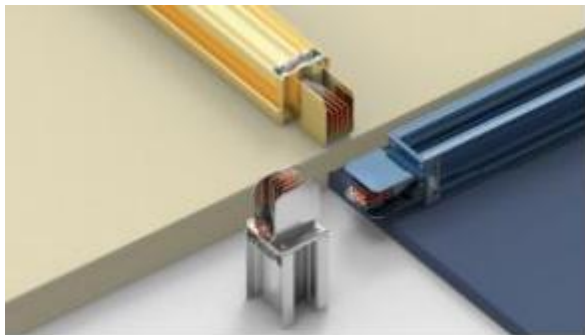
PRODUCT CERTIFIED

Certified by reputable bodies for type testing, in accordance with multiple international standards.



BUSDUCT SYSTEM

Offering with a broad range of busduct system in a variety of applications & market segments.



Dedicated to delivering superior products and services, we present an innovative power distribution system with a focus on innovation in China

Why Choose Us?

- • More than 20 years of experience in manufacturing and R&D of busduct system
- • Offering a broad range of busduct system in a variety of applications & market segments
- • Experienced in the stringent requirement of data centre
- • Various degree of protection e.g. IP42,IP54, IP65, IP66, IP67 & IP68
- • Compliance to IEC61439-6 and certified
- • CE certificate
- • Fire Resistance Test Certificate
- • Seismic Zone 4 Protection
- • Tested to higher ambient temperature
- • Transition Joint technology of connecting indoor & outdoor busduct





Production workshops

Production Workshops





Material

Busway Socket Pile Head

Specifications: 100A-400A
Material: High-purity electrolytic copper
Technology: Tinned, embedded plug welding



Busway Pins

Specifications: 100A-400A
Material: High purity electrolytic copper + high strength silicon steel sheet
Technology: Silver plating



Busway Rivets

Specifications: 5 × 7mm
Material: Special steel
Technology: Dacromet



Insulated Plug-in Device

Specifications: 100A-400A
Material: Nylon insulating plastic
Technology: Thermoforming



Connector Diamond Sleeve

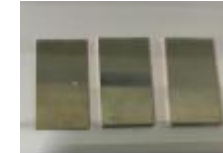
Specifications: 400A-6300A
Material: Nylon engineering plastic



Material

Busway conductor

Specifications: 3mm, 4mm, 5mm
Material: High-purity electrolytic copper
Technology: Tin plating



Busbar insulation film

Specifications: 125 μ m
Material: PET film
Technology: Thermoforming



Busbar insulation film

Specifications: 188 μ m
Material: PET film
Technology: Thermoforming



Busway buckle

Material: Steel
Technology: Galvanized



Connector Bulkhead

Specifications: 3-11.5mm thickness
Material: BMC
Technology: Thermoforming



A photograph showing two workers in safety gear (hard hats, harnesses, and safety vests) working on a building facade. They are installing a busduct system. One worker is in the foreground, wearing a yellow hard hat and a dark blue shirt with a logo, and the other is further back, wearing a yellow hard hat and a blue jumpsuit. They are standing on a metal platform. The background shows the building's structure and windows.

Company Info

Company Introduction

Ohory Electric provides a wide array of busduct systems for diverse applications and market segments, fulfilling customers' high expectations and specifications.

- 1.The total area spans 40,000 square meters.
- 2.The production base measures 12,000 square meters.
- 3.The enterprise service team comprises more than 200 individuals, with over 30% being engineers and technicians.

- 1.There are two major operating companies in South and East China.
- 2.Jiangxi Shitong Raw Material Research and Supply Chain Company is one of them.
- 3.The company has multiple production bases and 24 service branches across the nation.
- 4.It boasts a comprehensive service network and guarantee system.
- 5.Its services reach various regions of the country.
- 6.It offers robust product, logistics, and service guarantee systems for its users.
- 7.The CG Busway is the outcome of extensive research, development,, and manufacturing expertise accumulated over the years.
- 8.It provides a comprehensive selection of busduct systems suitable for various applications and market segments, fulfilling the high expectations and specifications of customers.



Product Category

Medium and high current busbar trunking series (400A-6300A)

1. Dense busbar trunking
2. Fire-resistant busbar trunking
3. Nano aluminum alloy busbar trunking
4. Mineral fire-resistant and waterproof busbar trunking
5. High-voltage enclosed busbar trunking
6. New energy-saving and energy-efficient busbar trunking
7. Independently developed new intelligent monitoring mica busbar trunking and other products



Low current micro bus duct series (16A-400A)

1. Micro power bus ducts
2. Lighting bus ducts
3. Sliding rail bus ducts
4. Twisted mini bus ducts
5. Twisted power columns
6. Twisted multifunctional artistic sockets, and other products

Why Choose Us?



DATA CENTRE

Experienced in the stringent requirements of data centre.



SAFETY PROTECTION

Degree of protection (IP65, IP66, IP67 & IP68) and Mechanical impact (IK10).



PRODUCT CERTIFICATION

Compliance to IEC 61439-6



EARTHQUAKE PROTECTION

Compliance to UBc SeismicZone 4.



EXTREME TEMPERATURE

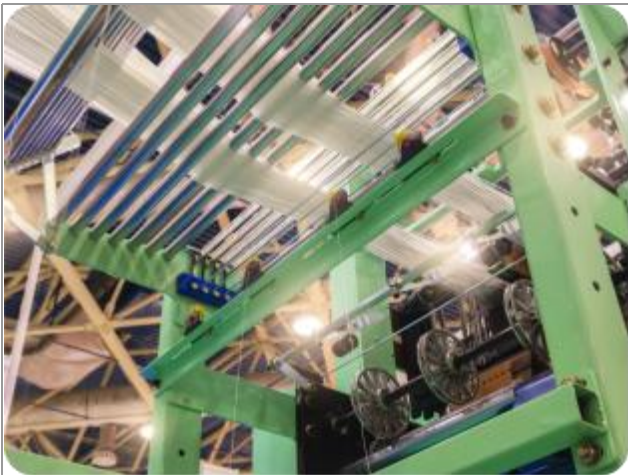
Tested to higher ambient temperature of 50. C



FIRE SAFETY

Compliance to CNS14286, JIS C8364, BS6387, IEC60331SS299, etc.

- Being Flexible & Modular in Design
- Occupying Lesser Space, but carrying High Current Rating & Fully Load Tested
- Fast Installation & Lower Installation Cost & Easy Maintenance
- Flexibility for Future Expansion & Relocation
- Having Strong Mechanical Strength & Higher Short-Circuit Current Ratings
- Lower Voltage Drop - Fire-Resistance & Non-flammable Propagation
- Higher Degree of Protection



Dockyard
Iron and steel works
Substation
Petroleum plant

Product Lines and Applications



CERTIFICATES



CQC product certifications

- Provincial and municipal high-tech product and scientific achievement appraisals
- CE EU certification and CB international certification
- Other honors and qualification certifications, such as being a well-known Chinese brand, one of the top ten brands in the busbar duct industry,
- Trustworthy enterprise in Guangdong Province,
- First-class qualification certificate in the Chinese power technology industry,



Quality is paramount in all aspects of our operations, with our product type testing and certification mark approvals serving as the foundation of our methodology.

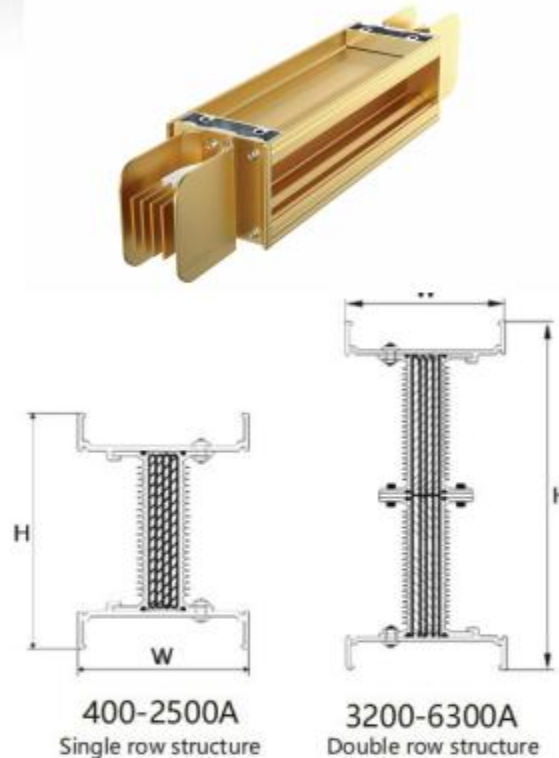
Qualifications and Honors



Dense Busway duct and technical parameters

Product Specification Selection Table

CURRENT LEVEL(A)	MODEL	SK-LINE-M/4P		SK-LINE-M/5P	
	OVERALL DIMENSIONS	W (mm)	H (mm)	W (mm)	H (mm)
400		120	90	120	90
500		120	100	120	100
630		120	110	120	110
800		120	125	120	125
1000		120	145	120	145
1250		120	175	120	175
1600		120	215	120	215
2000		120	265	120	265
2500		120	305	120	305
3200		120	410	120	410
4000		120	480	120	480
5000		120	400	120	400
6300		120	480	120	480



Product Technical Parameters Table

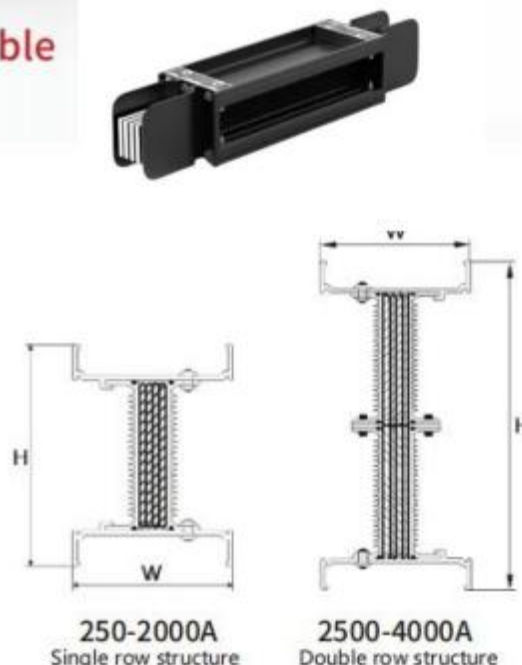
Executive standards		GB/T22, 6-2015, IEC61439-0:2012, EN61439-0:2012												
Material		Cu+Ag≥99.9%												
housing		6063-T5 Aluminum magnesium alloy												
unit length		Any choice between 0.5~0.6 meters												
protection grade		IP54, IP55 , IP65, IP66												
rated insulation voltage	V	800V(Without tapping unit) / 1000V(With tapping unit)												
rated operational voltage	V	400V(Without tapping unit) / 1000V(With tapping unit)												
Rated frequency	Hz	50												
Wire system		Optional: 3P, 4P, 3P, 3P+PE, 3P+N, 3P+N+PE, 4P+PE, 200%												
Rated current	A	100	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300
Resistance(R20)	mΩ/m	0.119	0.105	0.090	0.072	0.056	0.045	0.030	0.024	0.019	0.016	0.012	0.008	0.006
Reactance(X20)	mΩ/m	0.040	0.038	0.035	0.031	0.027	0.024	0.018	0.016	0.011	0.008	0.004	0.002	0.001
Impedance(Z20)	mΩ/m	0.126	0.112	0.096	0.078	0.062	0.051	0.034	0.027	0.023	0.017	0.012	0.009	0.006
Voltage drop(cosφ=0.9)	V/m	0.088	0.094	0.103	0.107	0.105	0.108	0.099	0.095	0.088	0.091	0.076	0.072	0.063
Rated short-time withstand current	kA	30			30/50			80			100			
Rated peak withstand current	kA	63			63/105			178			229			
withstand voltage	kV	8												
Electrical clearance	mm	≥38												
Creepage Distance	mm	≥16												
Insulation resistance	MΩ	≥20												
Dielectric properties		4kV/5s No breakdown or flashover												
Temperature rise	K	≤70 (Place for each conductive connection) ≤55 (outermost shell)												
Number of plug interfaces		Minimum 1 meter/piece (available with dual sided plug connection)												
Maximum fixed spacing	m	2												
Mechanical load capacity	Kg	15			30			45			60			
Installation method		Vertical or horizontal												
Applicable condition		Surrounding air temperature: maximum 40 °C, minimum -20 °C. Ambient conditions: Daily average relative humidity ≤ 90%, Monthly average relative humidity ≤ 95%. The daily average water vapor and vapor do not exceed 5.5g/m³. The monthly average water vapor pressure shall not exceed 1.5kPa. Altitude: ≤ 3000m Earthquake intensity level: no more than 8 There is no long-term severe vibration, impact, or explosion hazard in the area. There is no medium around that is sufficient to corrode metal and damage electrical insulation. When used under conditions that exceed normal regulations and the aforementioned normal environment, the user shall negotiate with our factory to resolve the issue.												

Application scenario: factories, commercial centers, high-rise building technology enterprises and other power distribution places

Nano aluminum Busway duct and technical parameters

Product Specification Selection Table

CURRENT LEVEL(A)	MODEL	SK-LINE-L	
	OVERALL DIMENSIONS	W (mm)	H (mm)
250-400		120	115
500		120	115
630		120	115
800		120	135
1000		120	155
1250		120	195
1600		120	245
2000		120	255
2500		120	305
3200		120	380
4000		120	460



Product Technical Parameters Table

Executive standards		GB/T7251.6-2015、IEC61439-6:2012、EN61439-6:2012											
Material		Al+Fe+Mn+Mg+Si+Cr											
housing		6063-T5 Aluminum magnesium alloy											
unit length		1.5,3,6 (Any choice between 0.5~0.6 meters)											
protection grade		IP54、IP53、IP65、IP66											
rated insulation voltage	V	690V (With tap changer unit) /1000V (Without tapping unit)											
rated operational voltage	V	400V (With tap changer unit) /1000V (Without tapping unit)											
Rated frequency	Hz	50											
Wire system		optional:3P、4P、5P、3P+PE、3P+N、3P+N+PE、4P+PE、200%N											
Rated current	A	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	
Resistance(R20)	mΩ/m	0.137	0.138	0.139	0.102	0.077	0.059	0.038	0.035	0.027	0.022	0.019	
Reactance(X20)	mΩ/m	0.027	0.029	0.027	0.022	0.021	0.015	0.013	0.010	0.008	0.002	0.001	
Impedance(Z20)	mΩ/m	0.143	0.142	0.140	0.105	0.079	0.062	0.041	0.032	0.027	0.019	0.016	
Voltage drop(cos=0.9)	V/m	0.097	0.132	0.150	0.137	0.130	0.126	0.116	0.115	0.122	0.099	0.102	
Rated short-time withstand current	kA	30						80					
Rated peak withstand current	kA	63						176					
withstand-voltage	kV	8											
Electrical clearance	mm	≥8											
Creepage Distance	mm	≥16											
Insulation resistance	MΩ	≥20											
Dielectric properties		4kV/1/min No breakdown or flashover											
Temperature rise	K	≤70 (At each conductive connection point) ≤55 (housing)											
Number of plug interfaces		Minimum 1 meter/piece (available with dual sided plug connection)											
Maximum fixed spacing	m	2											
Installation method		Vertical or horizontal											
Applicable condition		Surrounding air temperature: maximum+40℃, minimum -25℃; Humidity conditions: Daily average relative humidity ≤90%, Monthly average relative humidity ≤95%; The daily average water vapor and vapor do not wrap around 2.5kPa; The monthly average water vapor pressure shall not exceed 1.9kPa; Altitude: ≤2000m Earthquake (intensity level): no more than 8 There is no long-term severe vibration, impact, or explosion hazard in the area There is no medium around that is sufficient to corrode metal and damage electrical insulation Must meet under conditions that exceed normal regulations and the aforementioned normal environment, the user shall negotiate with our factory to resolve the issue											

Application scenario: factories, commercial centers, high-rise building technology enterprises and other power distribution places.

Fire resistant busway and technical parameters

Application scenario: Fire power supply circuit or fire hazard place power distribution.

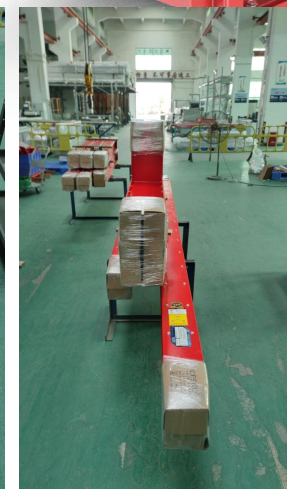
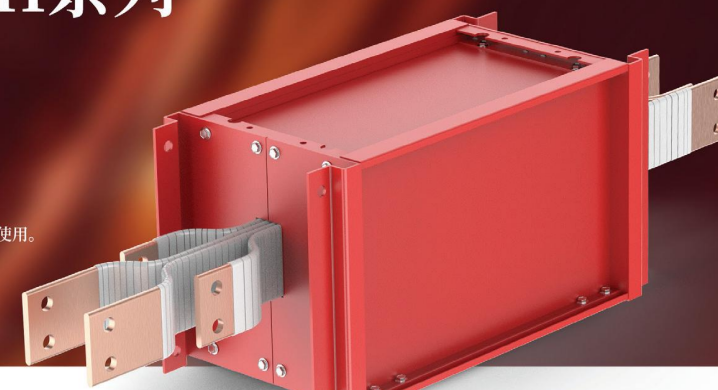
Product Specification Selection Table

CURRENT LEVEL(A)	MODEL	SK-LINE-NH/4P		SK-LINE-NH/5P	
	OVERALL DIMENSIONS	W (mm)	H (mm)	W (mm)	H (mm)
400-500		270	230	270	230
630		270	230	270	230
800		270	245	270	245
1000		270	265	270	265
1250		270	285	270	285
1600		270	335	270	335
2000		270	365	270	365
2500		270	405	270	405
3200		315	515	315	515
4000		315	630	315	630

SK-LINE-NH系列

耐火型母线槽

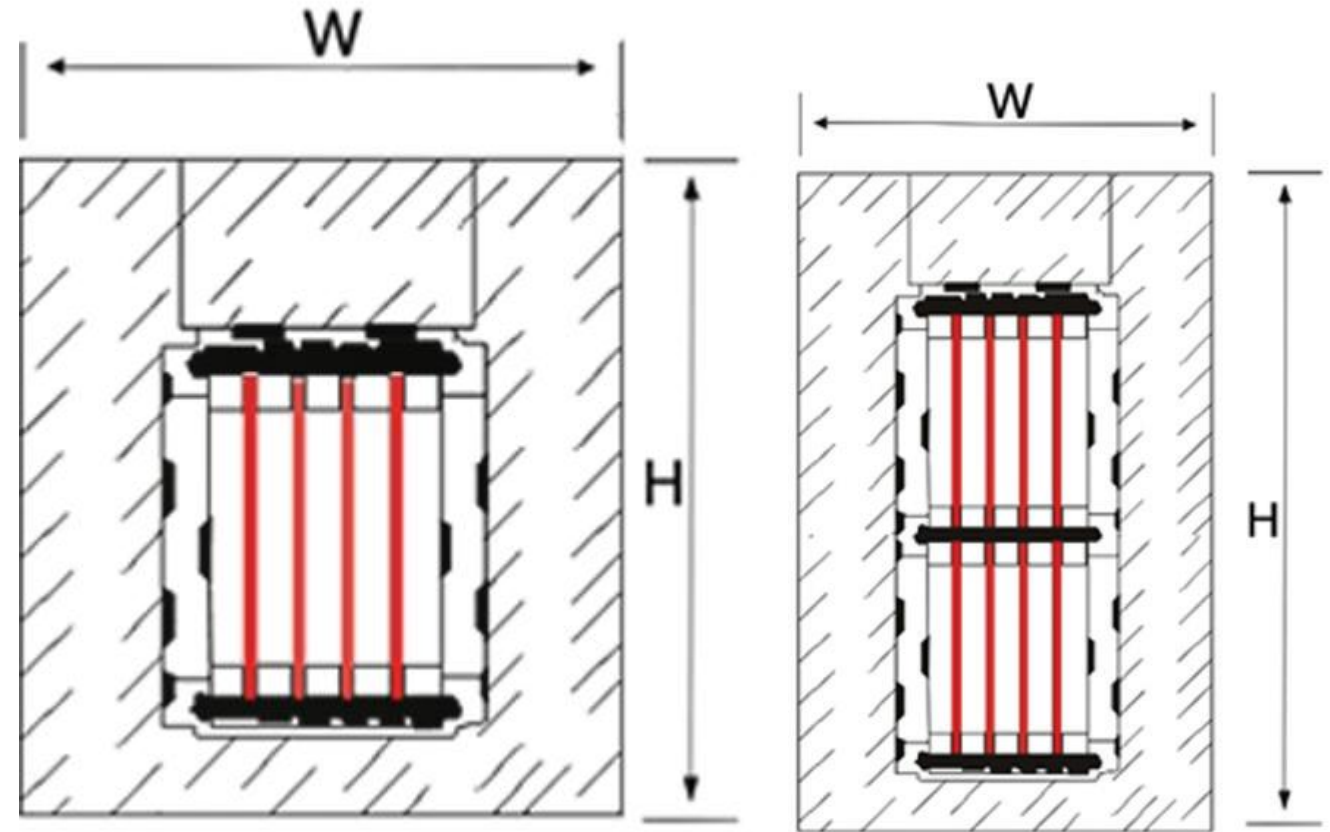
使用场景：消防供电回路或有火灾危险的场所配电使用。



Fire resistant busway and technical parameters

Product Technical Parameters Table

Executive standards		GB/T7251.6-2015、IEC61439-6:2012											
Material		Cu+Ag≥99.97%											
housing		High strength steel plate											
unit length		Any choice between 0.5~0.6 meters											
protection grade		IP65、IP66											
rated insulation voltage	V	1000											
rated operational voltage	V	1000											
Rated frequency	Hz	50											
Wire system		optional:3P、4P、5P、3P+PE、3P+N、3P+N+PE、4P+PE、200%N											
Rated current	A	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	
Resistance(R20)	mΩ/m	0.138	0.115	0.085	0.064	0.046	0.036	0.027	0.023	0.016	0.012	0.009	
Reactance(X20)	mΩ/m	0.395	0.039	0.042	0.089	0.025	0.019	0.013	0.012	0.011	0.007	0.006	
Impedance(Z20)	mΩ/m	0.142	0.122	0.101	0.092	0.071	0.052	0.035	0.032	0.022	0.017	0.013	
Voltage drop(cos=0.9)	V/m	0.096	0.097	0.108	0.127	0.118	0.112	0.098	0.106	0.097	0.091	0.085	
Rated short-time withstand current	kA	30						80					
Rated peak withstand current	kA	63						176					
withstand-voltage	kV	8											
Electrical clearance	mm	≥10											
Creepage Distance	Mm	≥16											
Insulation resistance	MΩ	≥20											
Dielectric properties		4KV/5s No breakdown or flashover											
Temperature rise	K	≤70 (Place for each conductive connection) ≤55 (outermost shell)											
Fire resistance time	min	60/120/180/195											
Maximum fixed spacing	m	2											
Installation method		Vertical or horizontal											
Applicable condition		Surrounding air temperature: maximum 40℃, minimum -20℃. Humidity conditions: Daily average relative humidity ≤ 90%; Monthly average relative humidity ≤ 90%. The daily average water vapor and argon do not wrap around 2.2kPa; The monthly average water vapor pressure shall not exceed 1.8kPa. Altitude: ≤ 2000m Earthquake intensity level: no more than 8 There is no long-term severe vibration, impact, or explosion hazard in the area There is no medium around that is sufficient to corrode metal and damage electrical insulation This and under conditions that exceed normal regulations and the aforementioned normal environment, the user shall negotiate with our factory to resolve the issue.											



In the design of refractory busway, the amount of copper material is increased by more than 35%, which is composed of refractory steel shell, silicate cotton and refractory composite insulation material.

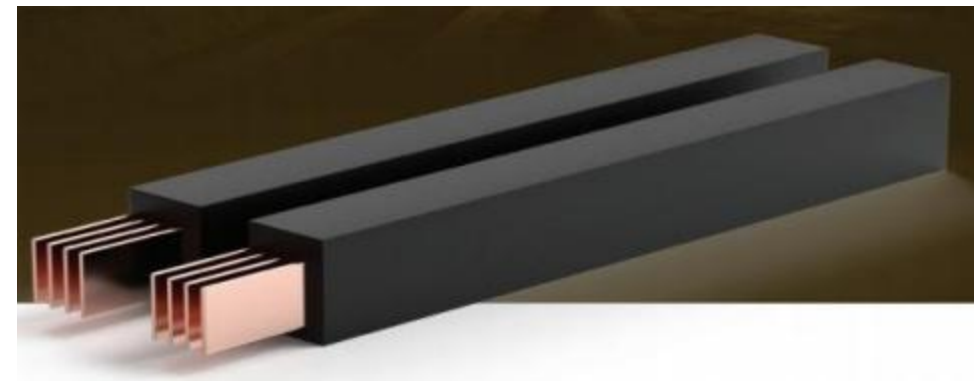
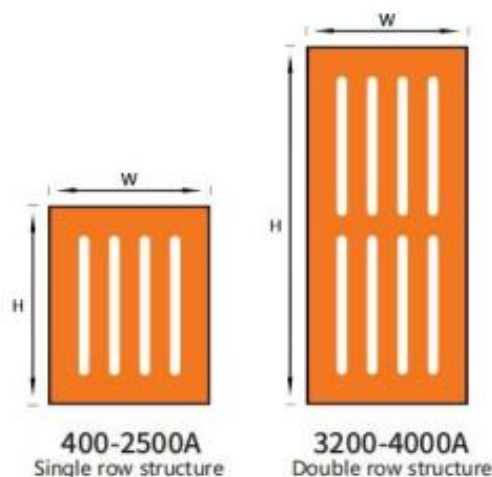
Waterproof Busway duct and technical parameters

Application scenario: Rail transit, large factories, ships, tunnel outdoor and other power distribution places.

Product Specification Selection Table

CURRENT LEVEL(A)	MODEL	SK-LINE-FS	
	OVERALL DIMENSIONS	W (mm)	H (mm)
400		90	65
500		90	65
630		90	75
800		90	85
1000		90	100
1250		90	115
1600		90	150
2000		90	180
2500		90	220
3200		90	300
4000		90	375

It is made of high-performance insulating resin, with excellent air tightness and water tight protection class up to IP68.
IP68 is a higher level of protection that prevents the entry of dust and can operate reliably for a long time even under continuous flooding.



Product Technical Parameters Table

Executive standards		GB/T7251.6-2015、IEC61439-6:2012											
Material		Cu+Ag≥99.97%											
housing		Mineral synthetic resin											
unit length		Optional between 0.5~0.6 meters											
protection grade		IP68											
rated insulation voltage	V	1000											
rated operational voltage	V	1000											
Rated frequency	Hz	50											
Wire system		optional:3P、4P、5P、200%N											
Rated current	A	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	
Resistance(R20)	mΩ /m	0.132	0.112	0.097	0.076	0.050	0.037	0.031	0.023	0.018	0.014	0.012	
Reactance(X20)	mΩ /m	0.395	0.036	0.066	0.060	0.055	0.043	0.036	0.032	0.025	0.019	0.013	
Impedance(Z20)	mΩ /m	0.138	0.118	0.130	0.092	0.073	0.057	0.046	0.035	0.032	0.021	0.018	
Voltage drop(cos=0.9)	V/m	0.094	0.097	0.110	0.101	0.102	0.102	0.105	0.105	0.107	0.112	0.121	
Rated short-time withstand current	kA	30						80					
Rated peak withstand current	kA	63						176					
withstand-voltage	kV	8											
Electrical clearance	mm	≥10											

Creepage Distance	Mm	≥16
Insulation resistance	M Ω	≥20
Dielectric properties		4KV/5s No breakdown or flashover
Temperature rise	K	≤70 (Place for each conductive connection) ≤55 (outermost shell)
Applicable condition		Surrounding air temperature: maximum+40 ℃ , minimum -20 ℃ . Altitude: ≤ 2000m Earthquake intensity level: no more than 8 There is no long-term severe vibration, impact, or explosion hazard in the area When used under conditions that exceed normal regulations and the aforementioned normal environment, the user shall negotiate with our factory to resolve the issue

Main advantages of the product

- ▲Excellent electrical performance
The cured epoxy resin is an insulation material with high dielectric properties, arc resistance, and leakage resistance;
- ▲High mechanic strength
The cured epoxy resin has the characteristics of wear resistance, impact resistance, and non deformation;
- ▲Fast heat dissipation speed
The unique technical process design greatly improves the heat dissipation performance of Bus duct.

This busway system is engineered for high fire performance, allowing it to safely operate under extreme temperatures while remaining non-toxic and harmless.

The insulating resin used is self-extinguishing, with an insulation grade F, specifically designed to prevent flame spread. It provides robust protection, with a fire resistance rating of up to 180 minutes in building structures. Moreover, it doesn't release toxic gases during high-temperature operations, thanks to its halogen-free composition.

Mini Busway duct and technical parameters

Application scenario: Data center, bank, government, listed enterprise.

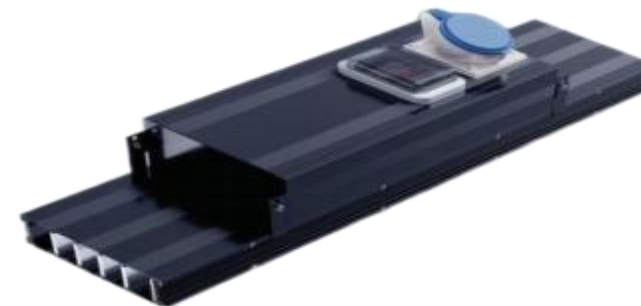
Product Features

Basic electrical characteristics							
CURRENT LEVEL(A)			100	160	200	250	400
COMPLIANT WITH STANDARDS	GB/T7251.6-2015、IEC61439-6:2012、EN61439-6:2012						
MECHANICAL STRENGTH	IK		8	8	8	8	8
RATED INSULATION VOLTAGE	U _i	V	690	690	690	690	690
RATED OPERATIONAL VOLTAGE	U _e	V	400	400	400	400	400
FREQUENCY	f	H Z	50/60	50/60	50/60	50/60	50/60
Electrical characteristics of conductors							
AVERAGE RESISTANCE (20℃)		m Ω /m	1.062	1.057	0.492	0.206	0.140
AVERAGE RESISTANCE AT RATED CURRENT (35℃)	R _t	m Ω /m	1.450	1.398	0.667	0.298	0.192
Other features							
RATED SHORT-CIRCUIT WITHSTAND CURRENT	I _{pk}	kA	10				
SHORT TIME PEAK WITHSTAND CURRENT	I _{cw}	kA	17				
VOLTAGE DROP	The following is the voltage drop value for three-phase 50Hz with dispersed loads.						
	1	V/100m/A	0.131	0.121	0.057	0.025	0.016
	0.8	V/100m/A	0.130	0.120	0.058	0.030	0.019



CURRENT LEVEL(A)	MODEL	SK-LINE-W	
	OVERALL DIMENSIONS	W (mm)	H (mm)
100		125	50
160		125	50
200		125	50
250		125	60
315		125	70
400		125	70

Mainly used in rail transit, large factories, ship tunnels, outdoor and other power distribution places.



lighting Busway duct

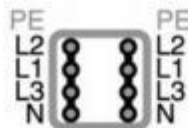
- Application scenarios: Lighting systems and electrical places with small and medium-sized loads but many branches, such as offices, parking lots, production workshops, supermarkets, etc.

Product Features

Basic electrical characteristics						
CURRENT LEVEL(A)			25	40	63	80
COMPLIANT WITH STANDARDS	GB/T7251.6-2015、IEC61439-6:2012、EN61439-6:2012					
MECHANICAL STRENGTH	IK		6	6	6	6
RATED INSULATION VOLTAGE	U _i	V	690	690	690	690
RATED OPERATIONAL VOLTAGE	U _e	V	230/400	230/400	230/400	230/400
FREQUENCY	f	HZ	50/60	50/60	50/60	50/60
Electrical characteristics of conductors						
AVERAGE RESISTANCE (20 ℃)	R ₂₀	mΩ /m	6.5	2.82	2.48	1.6
AVERAGE RESISTANCE AT RATED CURRENT (35 ℃)	R _i	mΩ /m	8.1	3.4	2.93	2.17
Other features						
RATED SHORT-CIRCUIT WITHSTAND CURRENT	I _{pk}	kA	2.5			
SHORT TIME PEAK WITHSTAND CURRENT	I _{sw}	kA	3.8			
VOLTAGE DROP	The following is the voltage drop value for three-phase 50Hz with dispersed loads. (When the load is concentrated, the voltage drop is twice that of the distributed load)					
	1	V/100 m/A	0.72	0.41	0.29	0.18
	0.8	V/100 m/A	0.61	0.35	0.26	0.16



B1 type



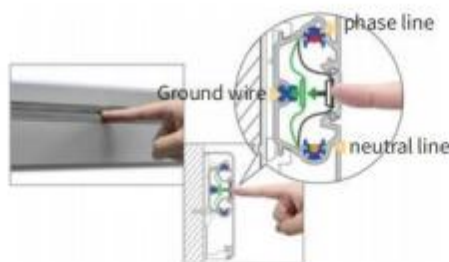
B2 type

CURRENT LEVEL(A)	MODEL	SK-LINE-W B1		SK-LINE-W B2	
	OVERALL DIMENSIONS	W (mm)	H (mm)	W (mm)	H (mm)
25		30	40		
40		30	40		
63				50	55
80				60	70

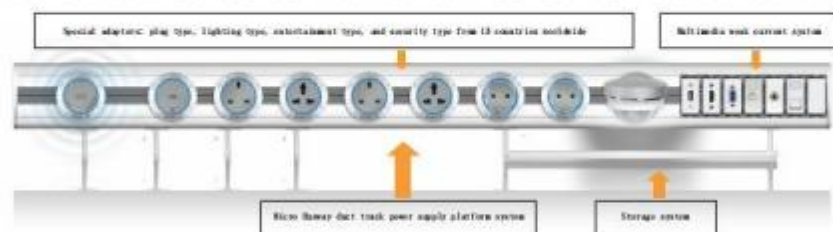
POWER SUPPLY SYSTEM

Micro Busway duct System Characteristics

Use micro Bus duct track power supply platform system and special adapter; Reposition the power output port anywhere along the track; Power output ports can be increased/reduced as needed, no longer limited by traditional socket power supply restrictions.



The closed design of high strength spring+protective adhesive strip is adopted to ensure that oil stains, dust, foreign matters and moisture do not enter the inside of the track, so that the micro Bus duct track can reach the IP54 protection level. The micro Bus duct active Earthing system (to ensure that it is always grounded with the ground wire) will not make the human body become the first conductor, so as to avoid the risk of electric shock. Even if children insert their fingers, there will be no risk of electric shock.



Based on the modular design concept, it can be installed in sections, combined, and expandable (socket power supply, lighting, entertainment, security, storage, strong and weak current "multimedia" integration requirements), achieving high system integration.

Whether it is desktop, cabinet, wall, or Baseboard, micro Bus duct track system can be perfectly integrated to create a new attitude and aesthetics of life.

Industrial applications



medical applications



Office applications



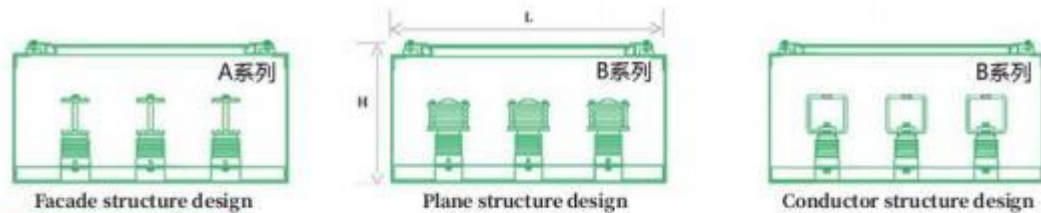
Home application



High voltage enclosed Busway duct and technical parameters

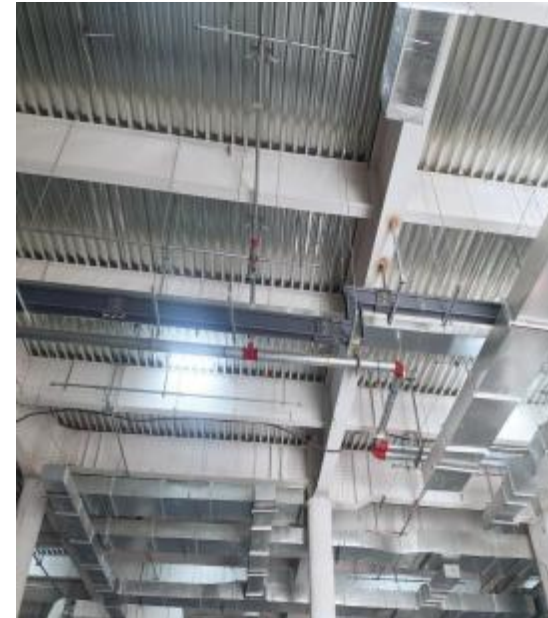


- Application scenario: Electrical connection between a transformer and a high voltage distribution board Electrical connection between a generator and a booster transformer in a power supply system of a large factory or mine, a large substation in a large enterprise's own power plant.

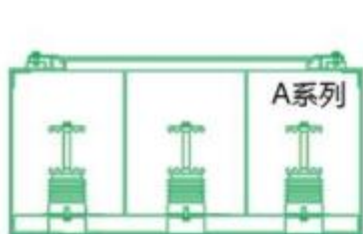


Rated voltage (KV)	3.15	6.3	10.5	35
Insulation level (KV)	18/40	23/60	35/75	80/185
Rated current (A)	Overall dimensions (L×H) (mm×mm)			
1000~2000	A 700×400 B 800×350	A 850×560 B 1000×460	A 900×560 B 1060×460	A 1550×920 B 1800×880
2500	A 750×400 B 850×350	A 900×560 B 1060×460	A 900×560 B 1060×460	A 1700×940 B 1850×900
3200	A 750×400 B 850×350	A 900×560 B 1060×460	A 900×560 B 1060×460	A 1700×940 B 1850×900
4000	A 750×440 B 850×480	A 900×560 B 1060×460	A 900×560 B 1060×460	
5000	1040×500 A 1350×500	1240×500 A 1500×600	1240×500 A 1500×600	
6300	A 1350×500	A 1500×600	A 1500×600	

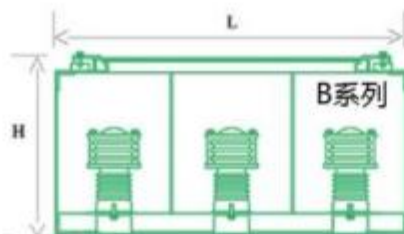
Note: Some are high insulation enclosed Bus duct. The conductor material of enclosed Busway duct above 4000A can also be round pipe or slot type conductor.



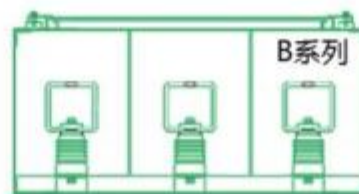
High voltage enclosed Busway duct (Isolated phase)



Facade structure design

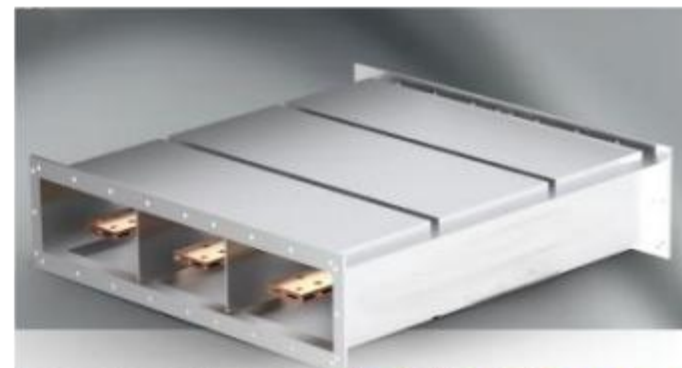


Plane structure design



Conductor structure design

额定电压 (kV)	3.15	6.3	10.5	20
绝缘等级 (kV)	18/40	23/60	35/75	50*125
额定电流 (A)	外形尺寸 (L×H) (mm×mm)			
1000~1600	A 800×500 B 1000×440	A 1200×560 B 1400×500	A 1200×560 B 1400×500	A 1400×620 B 1600×500
2000	A 800×500 B 1000×440	A 1200×560 B 1400×500	A 1200×560 B 1400×500	A 1400×650 B 1600×500
2500	A 800×500 B 1000×440	A 1200×560 B 1400×500	A 1200×560 B 1400×500	A 1500×620 B 1600×600
3200	A 800×500 B 1000×440	A 1200×560 B 1400×500	A 1200×560 B 1400×500	A 1600×650 B 1700×600
4000	A 800×500 B 1000×440	A 1200×560 B 1400×500	A 1200×560 B 1400×500	



Main Advantages of the product

▲Excellent electrical performance

The cured epoxy resin is an insulation material with high dielectric properties,

arc resistance, and leakage resistance;

▲High mechanic strength

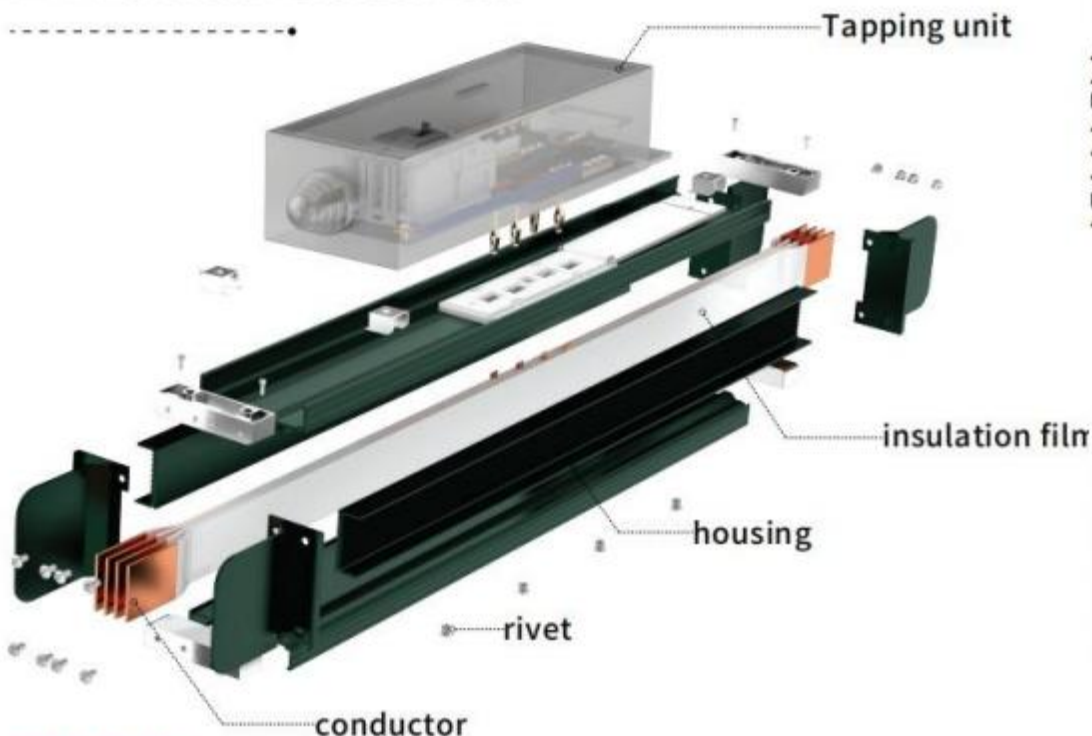
The cured epoxy resin has the characteristics of wear resistance, impact resistance, and non deformation;

▲Fast heat dissipation speed

The unique technical process design greatly improves the heat dissipation performance of Bus duct.



Product features



conductor

- ▲ After years of research and testing by Guangdong Cesko and Jiangxi Shitong, a special copper conductor material with a conductivity of over 58MS/m (100% IACS) has been jointly developed, with a copper content of $\geq 99.97\%$ in the finished product.
- ▲ Special processes are used to strictly control the impurity content inside the conductor, resulting in a loss reduction of 3% to 5% compared to traditional busways with the same cross-section.
- ▲ The surface treatment of conductors can be configured with multiple options such as tin plating, silver plating, etc. By using alloy electroplating technology, the contact resistance is reduced by 5%-8% compared to the traditional busway ordinary electroplating process.
- ▲ We have a highly automated conductor production line that adopts high-speed sawing technology, with high sawing accuracy, smooth and burr free incisions, which reduces the temperature rise at the joint from a technical perspective.

housing

- ▲ Using 6063 aluminum magnesium alloy profiles, the thermal conductivity reaches $200W/m \cdot K$, which is about three times that of steel shells, providing excellent heat dissipation and dynamic thermal stability resistance for the system.
- ▲ The surface is treated with anodizing to effectively improve heat resistance, wear resistance, and insulation, and has passed a 1000 hour salt spray test.
- ▲ Non magnetic materials can avoid eddy current losses caused by the operation of the steel casing busway.
- ▲ The British Henrop riveting process ensures that the spacing between riveting points is $\leq 200mm$, which has better mechanical strength than steel shells.
- ▲ The shell design has a sufficiently large cross-section to replace the PE wire as a 100% integral grounding and can be used as a separate PE.

insulation film

- ▲ DuPont polyester film, insulation grade B (130 °C), flame retardant performance meets UL94 standard.
- ▲ The single-layer withstand voltage can reach over 10000V, and there are six layers of insulation between phases, achieving the best heat dissipation and insulation effect.
- ▲ ROHS environmental certification, high temperature does not produce toxic gases.
- ▲ Passed 5000h aging test.
- ▲ Before leaving the factory, all busways have passed the 3750V AC high voltage test to ensure that the insulation performance of the products is 100% qualified.
- ▲ The International IEC Association recommends high-performance professional electrical insulation materials.

rivet

- ▲ The rivets are treated with Dacromet surface, which has super strong corrosion resistance and rust prevention effect more than 8 times that of galvanized rivets. They have passed 1000 hours of salt spray test and are a military anti-corrosion technology adopted by the US military.
- ▲ It is resistant to high temperature corrosion and can withstand temperatures above 300 °C. Traditional galvanized rivets will peel and be scrapped after being subjected to a high temperature of 100 °C.
- ▲ The perfect combination of Dacromet rivets and SPR riveting technology enables riveting to be completed in one go, with good waterproofing and airtightness.
- ▲ It has very high tensile strength and shear strength, and good impact energy absorption characteristics.

Tapping unit

- ▲ All brand circuit breakers and configuration requirements can be selected according to needs, meeting the branch power supply design with rated currents of 16A-1250A.
- ▲ The plug interface has a waterproof design, with dust-proof and moisture-proof capabilities, and can meet the application requirements of up to IP66 protection level.
- ▲ Adopting a bimetallic T-shaped pin structure and silver plated surface treatment, ensuring long-lasting contact pressure and reducing pin temperature rise.
- ▲ Both sides can be equipped with plug-in interfaces, and a 3-meter bus can be equipped with up to 8 sockets. Tapping units can be replaced or added at any time according to the load.
- ▲ Anti error phase design ensures correct insertion and removal of the connector box.
- ▲ All five parts of the plug-in box have been effectively electrically isolated to ensure the safety of operators.

Connection unit (connector)

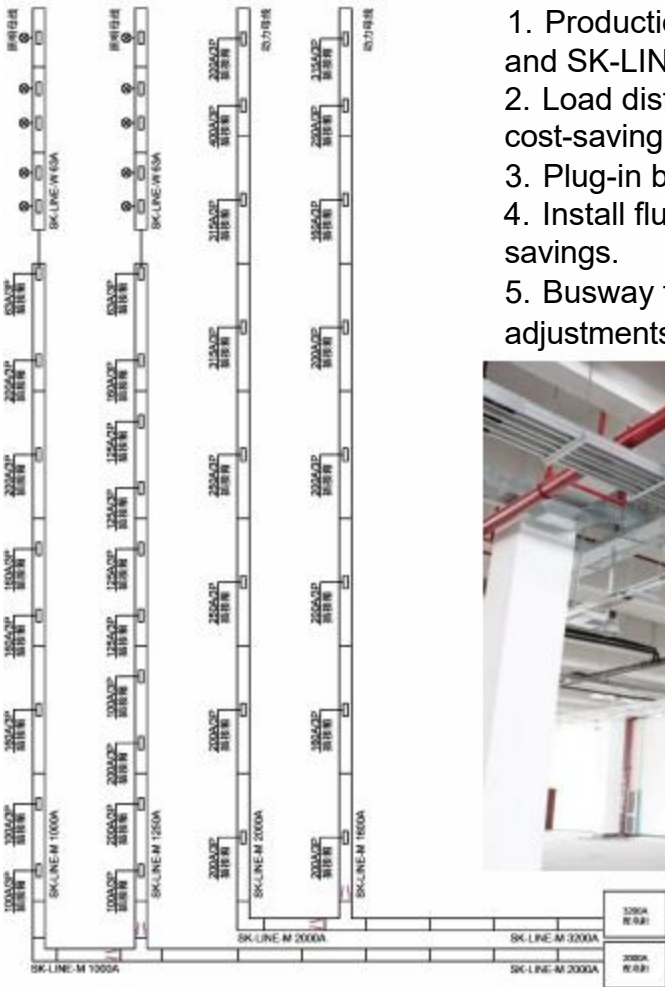
- ▲ Double headed torque shear bolts are used, with a standard tightening torque of $70 \pm 10N \cdot m$. When tightened until the signboard naturally falls off, the torque meets the requirements.
- ▲ The cross-section of the connecting busbar should be more than 1.5 times that of the busbar, and the contact surface should be designed with double-sided overlap to improve the conductivity of the connecting parts.
- ▲ The specially made manganese steel bowl cushion maintains good toughness and plasticity of austenite, while the hardened layer has good wear resistance.
- ▲ The edge of the insulation partition has a special concave convex groove design, which increases the creepage distance.
- ▲ Internally designed limit mechanism to ensure fast and reliable connector installation.
- ▲ Each connector has a $\pm 4mm$ adjustment compensation that can absorb the length changes caused by thermal expansion and contraction of the busbar.
- ▲ Equipped with a temperature indicator module, it ensures that it can remind maintenance and eliminate hidden dangers in case of system failure or high temperature rise.



Quality Management System and Certifications



TECHNICAL SOLUTION



1. Production workshop power supply includes consumption and lighting. SK-LINE-M and SK-LINE-W busways provide current based on load.
2. Load distribution uses variable capacity and T-shaped units for safety, efficiency, and cost-saving.
3. Plug-in box has circuit breakers, fuses, switches for user convenience and safety.
4. Install fluorescent lamps or fixtures directly on lighting bus for quick setup and energy savings.
5. Busway features multiple plug-ins for easy equipment movement and layout adjustments.



This plan is suitable for large factories as the backbone of power and lighting transmission and distribution systems

Smart Factory Busway Power Supply Scheme



1. Install plug interfaces and protection boxes on busway as needed. Monitor real-time data for safety.
2. Quickly identify and fix faults in power supply system for safety and reliability.
3. Use T-connection for reliable power distribution box connection.
4. Use local reactive power compensation devices to improve power factor, reduce line losses, save electricity, and lower costs.



This solution is suitable for precision equipment and heavy-duty production lines in factories, providing users with an efficient, safe, and reliable power supply system

TECHNICAL SOLUTION

For underground tunnels, outdoor environments, underwater environments, etc., high requirements are placed on the reliability of power supply. Busway with a protection level of IP68 is selected to ensure safe operation.

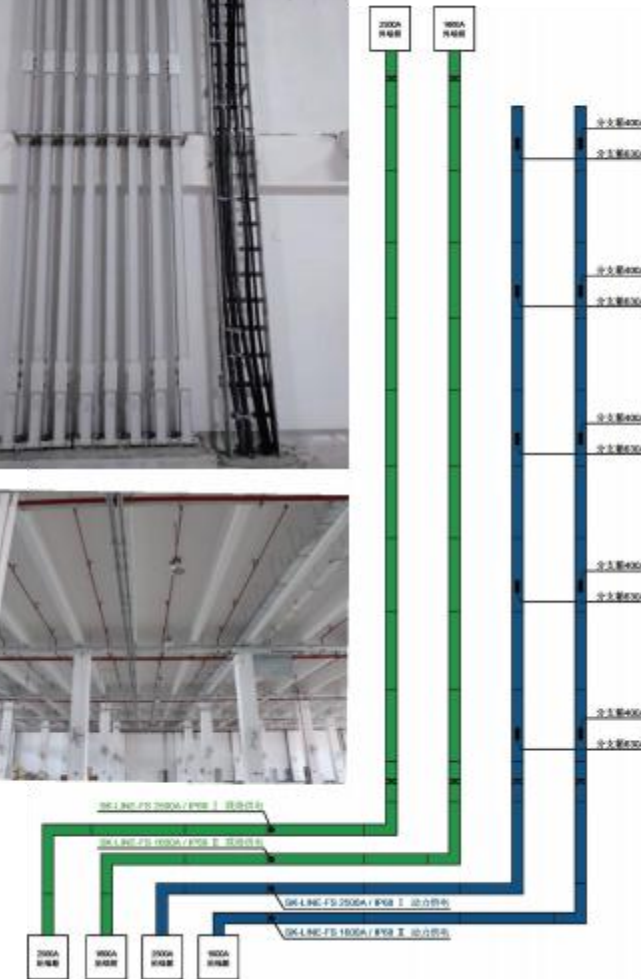
2. Special power supply will be provided to each functional area of the system to enhance the stability and reliability of the power supply system operation.

3. The fasteners used for connecting busway conductors are made of non-ferromagnetic materials to prevent induced currents from causing overheating.

4. After the connection between the outlet of the branch box and the electrical equipment is completed, it is poured into shape to ensure no water vapor erosion.

The SK-LINE-FS busway has the characteristics of waterproof, fireproof, anti-corrosion, anti-collision, explosion-proof, etc.

After being cast on site, it can be maintained for up to 60 years without maintenance, saving labor and maintenance costs.



Commercial Busway Power Supply Scheme

1. This plan separates the power supply systems for lighting and air conditioning with individual power supplies for both lower and higher floors.

The distinct power supply systems do not interfere with each other, thereby preventing large-scale power outages due to system failures.

2. The busway boasts a high-level protection casing, providing a robust guarantee for the safe operation of the system, enhancing its stability and reliability.

The busway complies with the IP65 standard, effectively safeguarding against insulation degradation or even short circuits caused by basement moisture, fire water, or building leakage.

The vertical shaft section is less susceptible to external factors and features an IP54 busway.

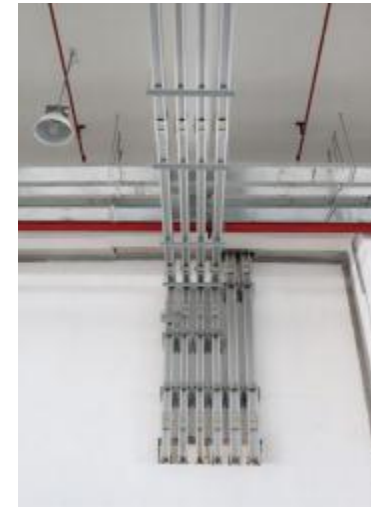
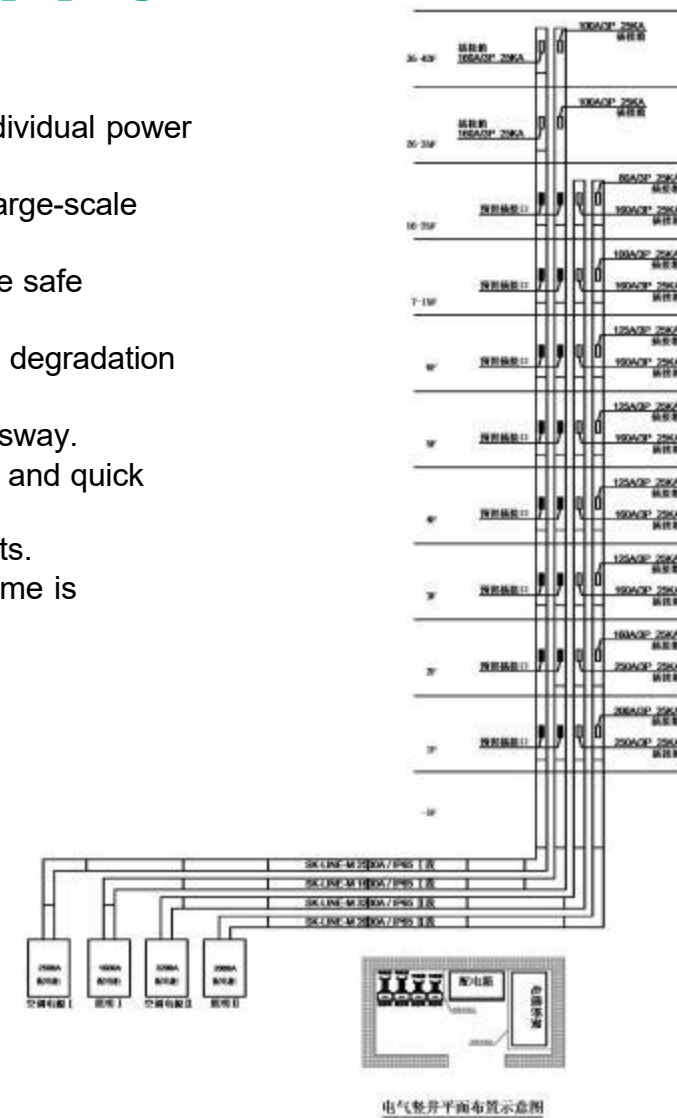
3. Each layer of the busway is equipped with a plug-in interface, facilitating easy tapping and quick installation.

The current level of the plug-in box can be customized according to the load requirements.

4. In cases where the installation position of the shaft is restricted, a double busbar scheme is employed to conserve installation space.



This plan is suitable for power supply systems in large complexes and super high-rise office building



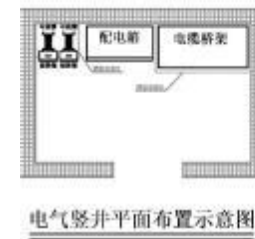
Power supply scheme of residential Bus duct

The power supply trunk line has two buses. Plug-in boxes are installed in staggered sections of I and II to balance the load. If one bus fails, the standby plug interface provides power to ensure system normalcy.

1. Basement horizontal part uses Bus duct with IP65 protection to prevent water damage or fire-related power failures. Vertical hoistway uses Bus duct with IP54 protection for safety and reliability.
2. Each Bus duct layer has a plug interface for easy tapping and fast installation.
3. Plug box circuit breaker specifications match load conditions.



This plan is applicable to the power supply system of high-rise residential buildings



TECHNICAL SOLUTION

This plan is ideally suited for specialized environments such as high-speed train maintenance bases, ships, and offshore platforms, as well as the distribution systems of substations.

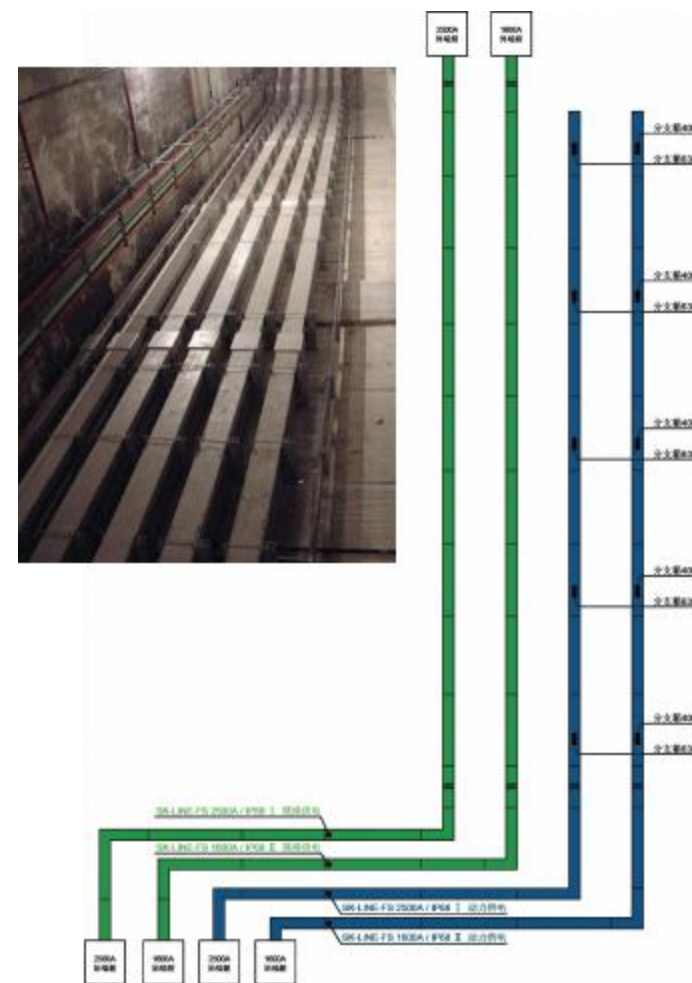
In challenging settings such as underground tunnels, outdoor environments, and underwater locations, power reliability is critical. To guarantee safety, we utilize busways with IP68-rated protection, ensuring superior resistance to environmental factors.

Each section of the system is equipped with a dedicated power supply, enhancing the overall stability and reliability of the distribution network.

Fasteners connecting busway conductors are crafted from non-ferromagnetic materials, preventing overheating caused by induced currents, thus enhancing safety.

After connecting the branch box outlet to electrical equipment, it is sealed and cast to protect against water vapor corrosion.

The SK-LINE-FS busway offers comprehensive waterproof, fireproof, corrosion-resistant, collision-proof, and explosion-proof features. Once installed, it has a service life of up to 60 years without maintenance, significantly reducing labor and maintenance costs.



TECHNICAL SOLUTION



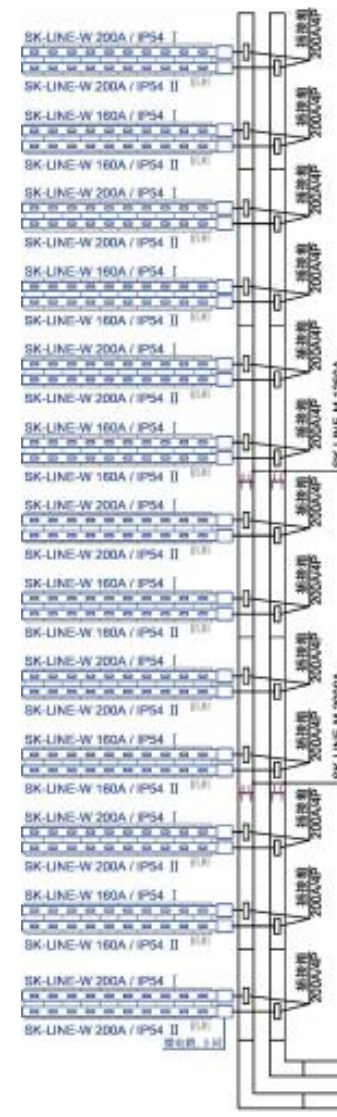
Our senior technical team offers customized solutions tailored to the specific needs of each project, ensuring a safe and reliable busbar trunking power supply system.

The data center bus duct is a high-performance product that integrates intelligence, speed, modularity, compactness, safety, and reliability. It serves as a superior alternative to traditional column cabinets and cables, making it the ideal solution for advancing power distribution in modern data centers.

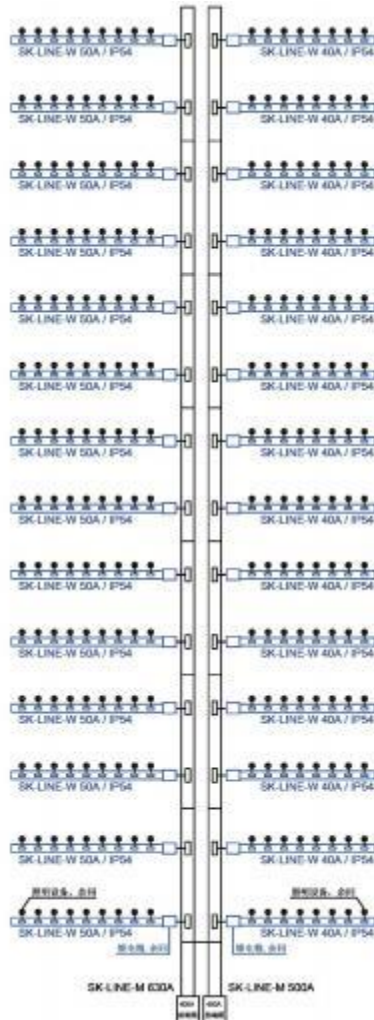
The system incorporates two independent power supply systems from separate transformers and distribution equipment, ensuring there is no single point of failure and providing excellent fault tolerance.

To further enhance reliability, two UPS systems are configured as backups for each other. In the event one UPS system fails, the other continues to support the normal operation of critical IT equipment.

The product features intelligent monitoring capabilities, equipped with a sensing transmission system to track real-time data, including power consumption, leakage, temperature, humidity, and fire alarms. This ensures comprehensive, real-time oversight of the power environment."



Lighting Busway Power Supply Scheme



1. The power system has SK-LINE-M and SK-LINE-W bus ducts, adjusting current based on load for flexibility.
2. Bus ducts have clips for quick, convenient installation of various lighting fixtures.
3. Ducts are made of fire-resistant insulation to prevent electrical fires from short circuits.
4. Easy reconfiguration by disassembling branch joints without affecting other parts or causing waste.

This plan is applicable to shopping malls, supermarkets, exhibition centers, parking lots, large area lighting and power supply for warehouses and other places.

Application cases



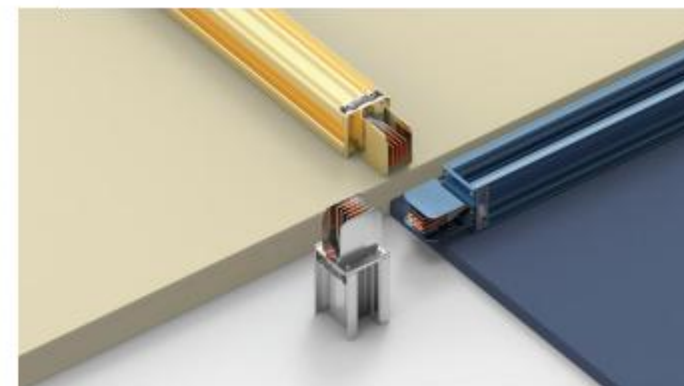
Patents and Certifications

- 21 national patents,
- 15 CQC product certifications, provincial and municipal high-tech product and scientific achievement appraisals,
- CE EU certification,
- CB international certification,
- and other honors and qualifications



DEEP COMPARISON BETWEEN BUSWAY DUCT AND CABLE

S/N	Your biggest concern	Busway	Cable	Branch cable
1	service life	≥ 50 years	15-20 years	15-20 years
2	Safe and balanced carrying capacity	excellent	medium	Inferior
3	no-load loss	lowest	medium	High
4	Operating power loss	lowest	High electrical loss	High electrical loss
5	failure rate	lowest	High	Extremely high
6	used space	small	Moderate, suitable for use with cable trays	Large
7	Current carrying performance	Large, Up to 6300A, suitable for various locations	small, Maximum 1600A, small selection range	small, Maximum 1600A, small selection range
8	Branching Unit	Multiple connectors can be reserved and can be used by inserting them into the connector box	Increase the complexity of connectors, increase the temperature of connectors, and increase electrical losses	Special equipment needs to be added and must be powered off for operation
9	Upgrade and renovation	During power on, branch units can be replaced and reset without the need for power outage	New installation required, high wiring costs, and long power outage time	New installation required, high wiring costs, and long power outage time
10	Space requirements for the main distribution system	The switches and protective equipment in the branch unit are arranged in a dispersed manner, with low space requirements	High space requirements	High space requirements
11	Fault resolution and elimination	Reasonable installation, switch device close to the user, and simple troubleshooting	The installation is complex, the switch device is far away from the user, and error resolution takes a long time	Long error resolution time
12	fire load	Extremely low, prevents flame spread, does not burn, and prevents fires from occurring	Extremely high, ordinary cables are flammable, flame retardant, and can also burn in flames	Extremely high, ordinary cables are flammable, flame retardant, and can also burn in flames
13	Electromagnetic rate	Favorable conductor arrangement, low Magnetic susceptibility	High arrangement requirements, high Magnetic susceptibility	High arrangement requirements, high Magnetic susceptibility
14	Debugging time	Short debugging time, same labor cost, high return, high added value	Long debugging time, high labor costs, low returns, and low added value	Long debugging time, high labor costs, low returns, and low added value
15	installation period	Quick: Once in place	Slow: At least two manual operations for bridge and cable	Slow: Branch cables require customized processing
16	appearance design	Neat and beautiful, customizable colors	Bulky and lacking aesthetic appeal	Single color
17	inspection and maintenance	Easy maintenance, performance consistent with new products after maintenance	Difficult maintenance, performance degradation after maintenance, and easy heating	Difficult maintenance, performance degradation after maintenance, and easy heating
18	Intelligent monitoring	Easy to implement	Difficult to achieve	Difficult to achieve



Intelligent busway system:

- comprehensive tester
- Main functions:
 - ★ **Grounding**
 - ★ **Five-way insulation**
 - ★ **Five-way AC cold state withstand voltage**
 - ★ **Other parameters**
- ★ The first domestic LPA (linear) technology, with output waveform distortion <1%, high adjustment fineness, and reliable measurement results.
- ★ More convenient and faster settings;
 - ★ - Can program between groups, perform single-step or continuous testing, and meet the requirements of secondary startup testing;
 - ★ - Equipped with more standard line compensation function; equipped with slow rise and slow fall functions (time controllable);
 - ★ - Equipped with fast testing function, with a minimum setting of 0.5S;
 - ★ - Level 2 safety regulation testing accuracy, higher testing accuracy, and measurement range;
 - ★ - Upper and lower limit judgments can be set to eliminate product missed inspections, conduct intelligent analysis, and sound and light alarms for product testing failures.



COST COMPARISON OF BUSWAY DUCT PK CABLE

Case 1: 300m in a high-rise building

Specific quantity of Busway duct:

- 1. 630A 460m
- 2. 1000A 195m
- 3. 2000A 246m

Specific quantity of cables used:

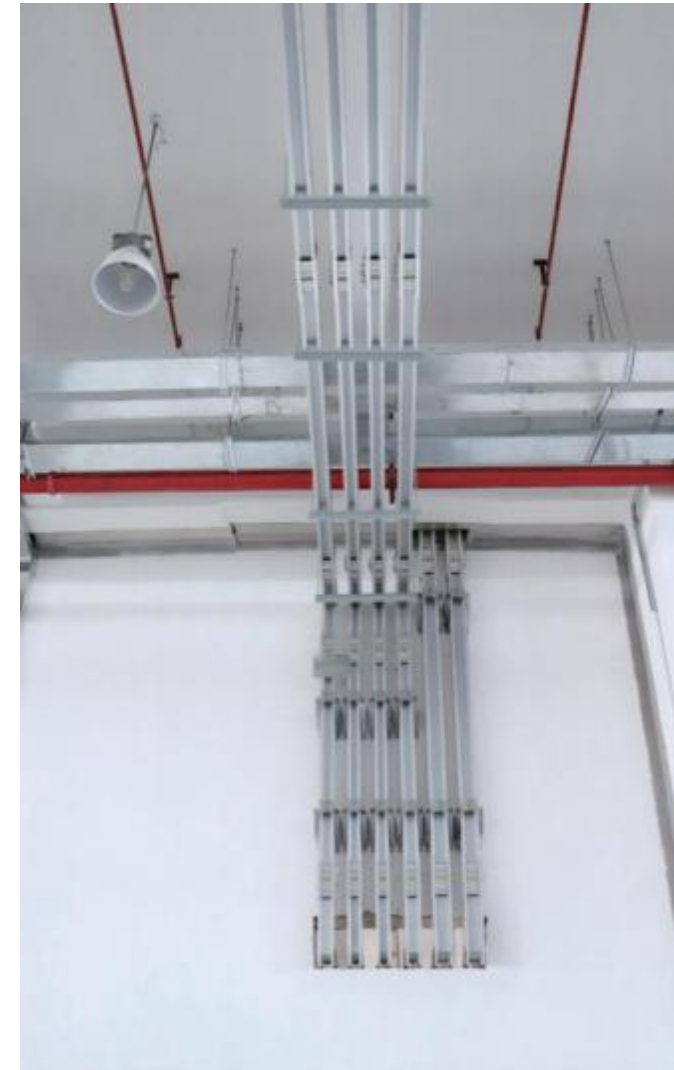
- 1. $4 \times 300\text{mm}^2$ 520m
- 2. $4 \times 240\text{mm}^2$ 440m
- 3. 240mm^2 4900m
- 4. 300-600mm Number of special bridge trays 1050m

Busway duct amount=1,970,000¥

Cable+Bridge Amount=3,080,000¥

summary

1. The total price of the scheme of using Busway duct for high-rise buildings is 1.97 million yuan;
2. The total price of using cable tray scheme is 3.08 million yuan (according to the electrical design code for high-rise buildings in Guangdong Province "JGJ 242-2011", flame-retardant and fire-resistant cables are required).
3. If non flame retardant and fire-resistant cable schemes are used, the total price still needs 2.41 million yuan.
4. The cable+bridge scheme requires at least two rounds of manual labor, resulting in excessive crossing and high line loss.
5. It is difficult to maintain and identify hidden dangers. Using low-cost non flame retardant and fire-resistant cables can easily spread in the event of a fire.
6. Compared with cables, Busway duct has a higher Factor of safety, and the cost of Busway duct scheme is far lower than that of cable bridge scheme.
7. The use of Busway duct will give better play to the advantages of power distribution.



Case 2: Factory 50000m²

Specific quantity of Busway duct:

- 1. 1000A 140m 2. 2000A 210m
- 3. 2500A 325m

Specific quantity of cables used:

4*240mm² 400m

Total price of Busway duct+cable ≈

3010,000 ¥ ; Lump sum price

summary

1. The total price of Busway duct used by the factory is 3.01 million yuan, basically a turnkey project;
2. The total price of using cable tray scheme is 3.95 million yuan. If considering cost reduction by one level of capacity, the total price should not be less than 3.4 million yuan.
3. If overhead installation is not considered, it is necessary to excavate a trench of at least 600 * 1000mm in the workshop, which poses significant risks in the later stage and has a short lifespan.
4. In consideration of cable laying, Low voltage cabinets need to be added in the distribution room, with the price of each set ranging from 50000 to 80000 yuan.
5. The power supply system of Busway duct makes it very convenient for the plant to increase capacity and change lines in the later period.
6. Compared with cables, Busway duct has a higher Factor of safety. The cost of Busway duct scheme is far lower than that of cable bridge scheme.
7. The use of Busway duct will give better play to the advantages of power distribution.

Cable usage:

- 1. 4*240mm² 1630m 2. 400mm² 5600m
- 3. 185mm² 1400m
- 4. 400-800mm Number of special bridge trays 850m

Cable+Bridge Amount=3,950,000 ¥

If the cable is used by downshifting:

- 1. 4*185mm² 1630m 2. 400mm² 2800m
- 3. 300mm² 2800m 4. 150mm² 1400m
- 5. 400-800mm Number of special bridge trays 850m

Cable+Bridge Amount=340,000 ¥



Intelligent busway system comprehensive tester



1. Introduction to Intelligent Busway System Comprehensive Tester
2. Grounding Functionality
3. Five-Way Insulation Capabilities
4. Withstand Voltage Testing
5. Other Testing Parameters
6. LPA Technology: First Domestic Application
7. High Precision and Low Distortion (<1%)
8. Ease of Use: Convenient and Fast Settings
9. Programmable Options: Groups, Single or Continuous Testing
10. Secondary Startup Requirements Compliance
11. Standard Line Compensation Equipment
12. Slow Rise/Fall Functionality with Time Control
13. Fast Testing Speed (0.5S per minute)
14. Level 2 Safety Regulation for Enhanced Accuracy and Range
15. Upper/Lower Limit Judgment to Minimize Missed Inspections
16. Intelligent Analysis and Reporting
17. Sound/Light Alarm for Immediate Failure Detection

The company has its own lab and a long-term partnership with the National Center Supervision of Medium and Low Voltage Equipment.

for Quality

All materials come from CNAS's quality inspection report by the South China Non-ferrous Metals Industry Quality Supervision and Inspection Center, with technical specs surpassing national standards.

Standard Inspection



insulation resistance tester



Electrical comprehensive tester



Infrared temperature rise tester



Wireless clamp current tester



Non ferrous metal conductivity tester



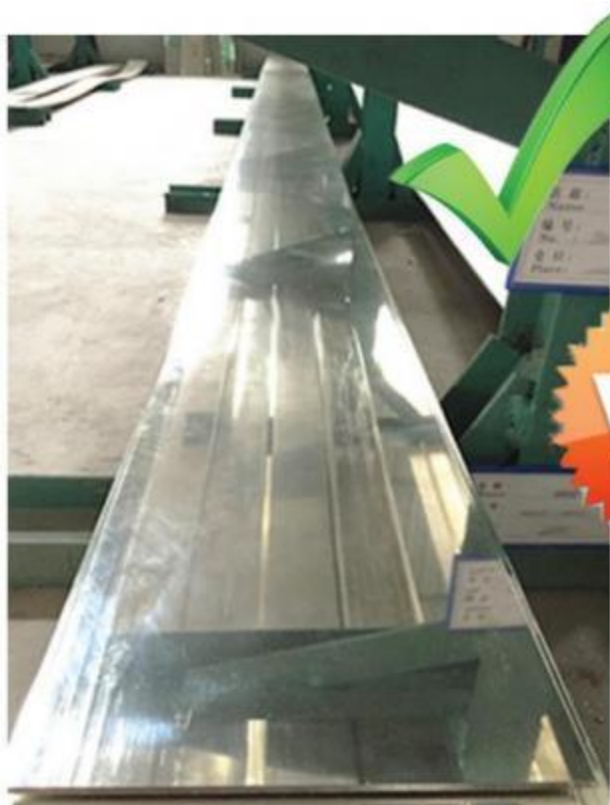
Clamp type earthing resistance tester



Raw Material Advantages: A Comparative Analysis

Optimizing the use of "SHI
TONG"

T1 superconducting electrolytic
copper;
Copper content above 99.98%;
Low electrical loss,
low resistance, energy-saving
and electricity saving;

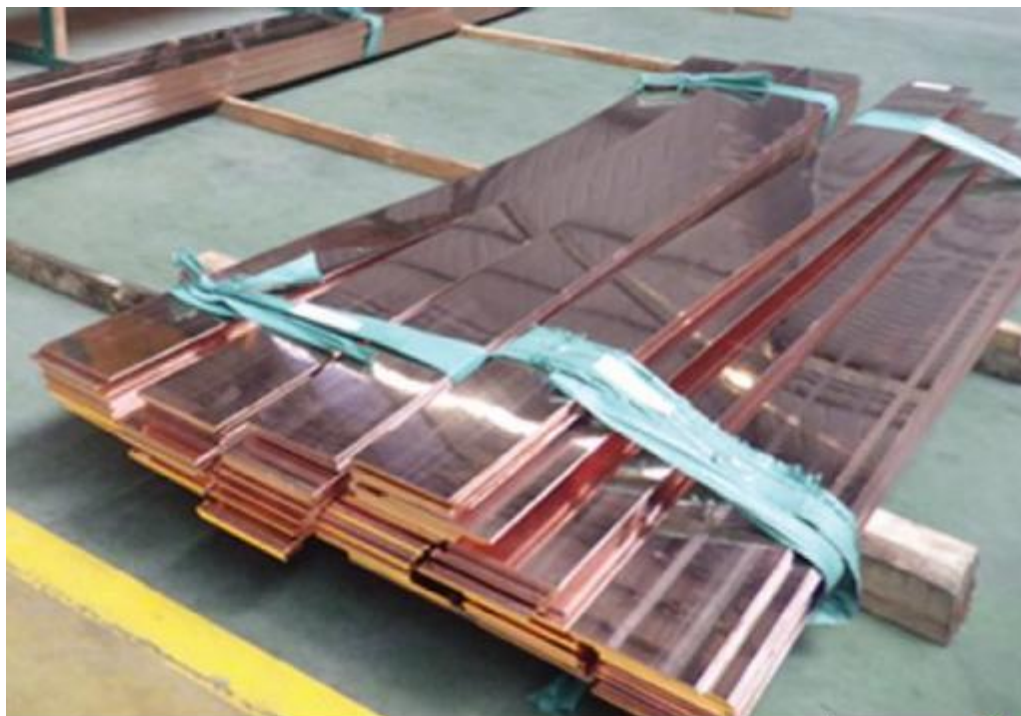


VS

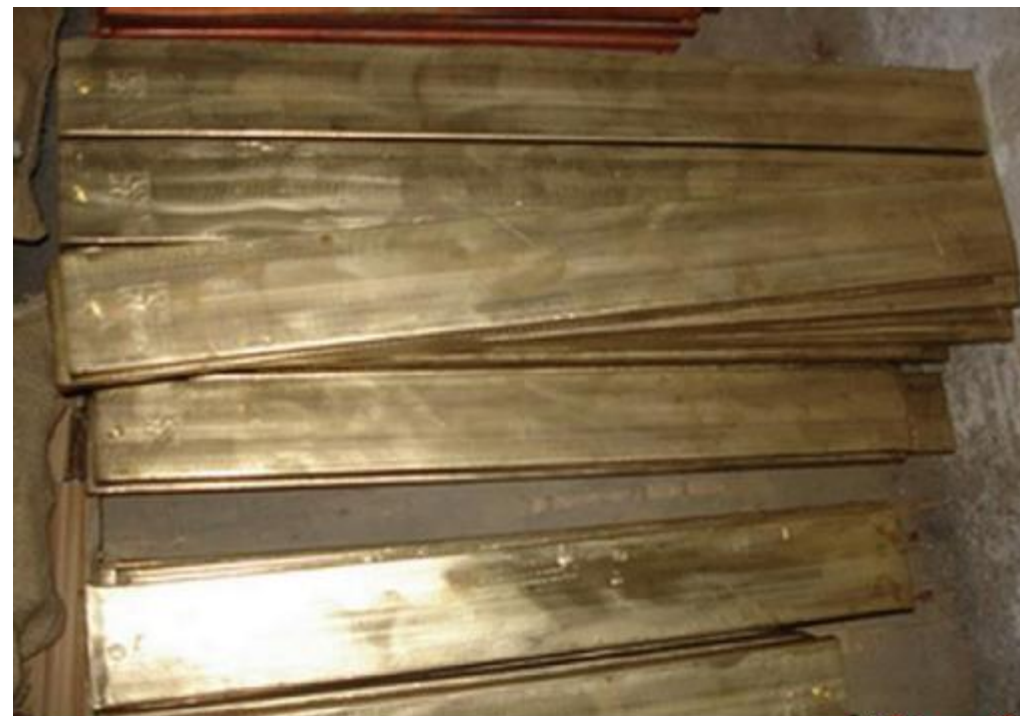


Copper at both ends,
Aluminum in the middle
Misleading consumers
High safety risks
Extremely susceptible to
Energy consumption
Inadequate conductivity





T1 copper bar T3 brass busway



The body of Bus duct is composed of conductor material, insulation material and housing material. The quality of raw materials can determine the service life of a product. CAO GONG's high-quality main material supplier "SHI TONG" relies on the advantageous resourc_x0002_es of the world's copper capital to deeply select high-quality copper and aluminum raw materials from around the world.

Shell material selection



Optimized SHI TONG aluminum-magnesium alloy profiles:
High strength, resistant to deformation.
Efficient heat dissipation design.
Strong seismic and corrosion resistance.
Excellent electromagnetic shielding.

VS



Thin shell/iron shell
Low protection level
Not corrosion-resistant Generation of eddy current losses
Security concerns

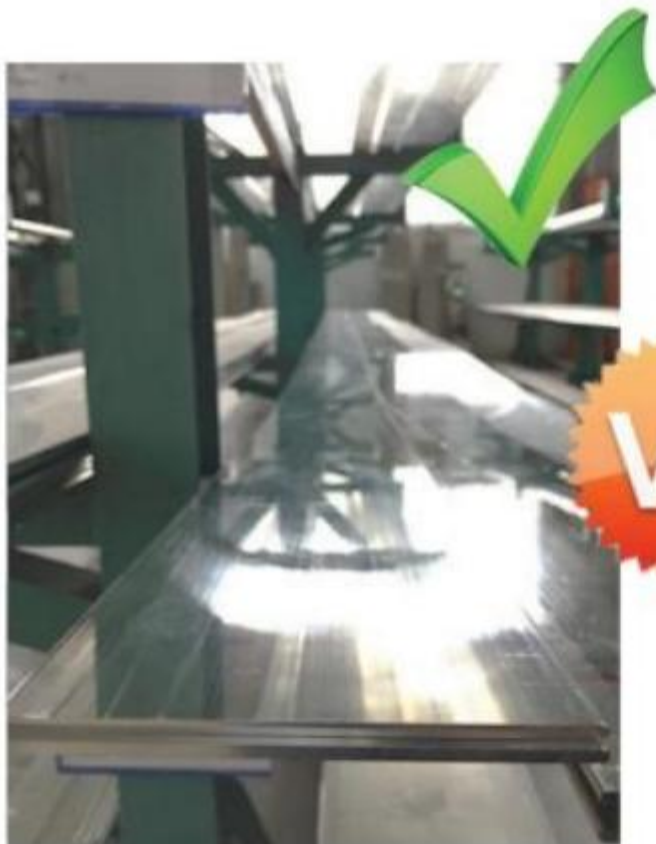
Surface Treatment

SHI TONG standard

Full length tin or silver plating on the surface

Strong antioxidant and corrosion resistance

Long service life



VS



Tin plated on both ends,

No tin plating in the middle,

The act of cutting corners and cutting corners

High safety hazards

Poor antioxidant capacity

Short service life

Comparison of plug-in devices

The socket design complies with current international standards, making the connection more secure;

Using dustproof pads to effectively prevent the impact of dust, moisture, and other factors;

Clear phase sequence indication, beautiful design, and more convenient use;



VS



Simple design,
Insecure connection;
No use of dust prevention
Waterproof materials,
Easy to age;
No phase sequence
indication,
Rough design,
Inconvenient
installation and use;

The plug-in box adopts a safety locking setting;

The surface is printed with hazardous electrification markings;

More effective prevention of safety accidents;



VS



The plug box is
not locked tightly
Device, easy to send
Safety accidents;



Without any safety warning
signs or regulations,
Irresponsible behavior.

Insulation material

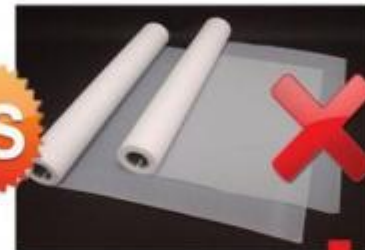
DuPont PET film from
the United States

Class B insulation
(130 °C)

High temperature
without toxic gas
emission



VS



Small workshop
processing

Produced
insulation film

Generated when
exposed to high
temperature

Toxic gas

Exposure to high temperatures can easily generate toxic gases, leading to frequent safety accidents. An explosion causes a fire and produces toxic gases, with unimaginable consequences.



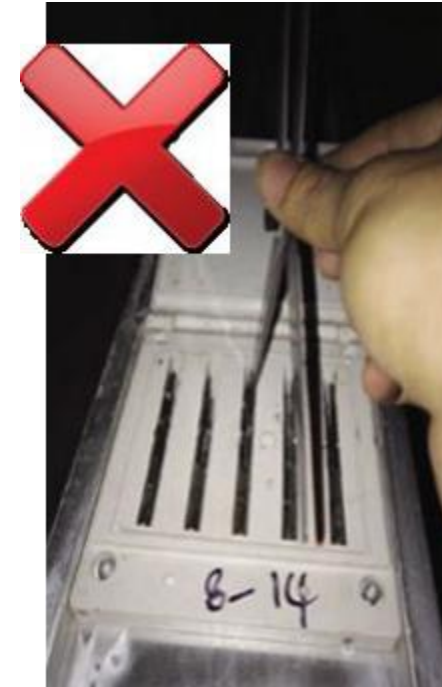
Behind these problems is the lack of market supervision and the lack of integrity of businesses. In the increasingly competitive environment, whether Busway duct manufacturers can restrain themselves with high standards and put integrity and service in the first place will be the key factor for future development!

Please pay attention to product value, not just price



The plug-in box adopts a safety locking setting; The surface is printed with hazardous electrification markings; More effective prevention of safety accidents;

VS



The plug box is not locked tightly Device, easy to send Safety accidents;



Without any safety warning signs or regulations, Irresponsible behavior

Comparison of connecting devices



High quality
aluminum magnesium alloy pressure
plate with high
mechanical strength;
Fully enclosed
structure with IP65
protection level;
Reliable connection,
meeting linear
scalability;

Rough metal
pressure plate,
Low mechanical strength;
The organization is
not compact,
Easy to enter
dust and water,
Produce dampness
Moldy problem
Unreliable design,
Short lifespan,
easy to short-circuit;



The connector cover adopts
Design of sealing structure
Improved dust and water
resistance Performance,
worth recommending



The picture shows the connector
after being damp The copper bar has
been corroded, Poor conductivity,
When power consumption is severe
Causing safety accidents

Intelligent Production Equipment



▲ Intelligent riveting equipment



▲ Automatic busway punching and shearing equipment



▲ ▲ CNC busbar equipment



▲ Automatic busway bending equipment



▲ CNC busbar equipment



▲ Automated assembly equipment
6S Production Management Regular physical examination fire drill P64



POWER SUPPLY SYSTEM



Installing accessory



Anti deviation snap connector



Hard connection
(overlapping copper bars)



Soft connection (expansion unit)



Retractable safety support device



Surrounding fastening bracket



High voltage insulation sheath



Starting box

SK-LINE-CJX

Description of the plug-in box series

- The socket box for public use has an aluminum alloy and cold rolled steel shell. It has IP66, IP65, and IP54 protection levels and current options from 25A to 1250A.
- The plug interface opens/closes when inserted/removed from the Busway duct, with silver-plated connections for reliable electrical safety.
- A mechanical interlock device prevents circuit breaker operation during load insertion/extraction, reducing the risk of electrical fires and injury.

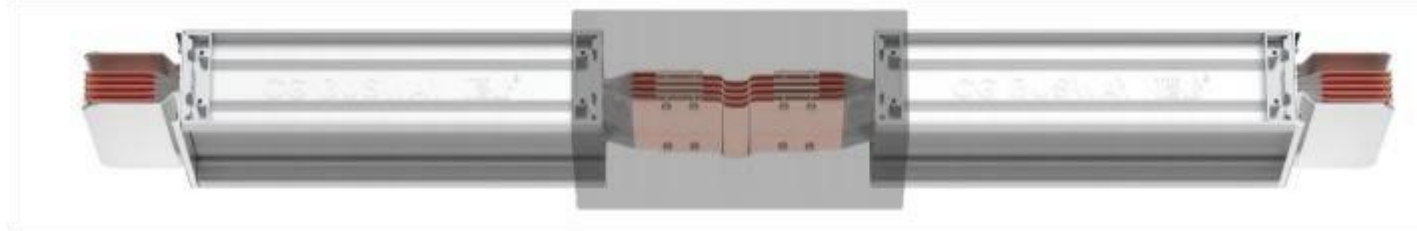


SK-LINE - Plug Box Series Boundary Dimensions

SK-LINE-A series Busway duct plug-in box				SK-LINE-B series Busway duct plug box			
External dimensions of local control plug-in box with circuit breaker				External dimensions of local control plug-in box with circuit breaker			
current level	L (mm)	W (mm)	H (mm)	current level	L (mm)	W (mm)	H (mm)
≤63A	500	200	180	≤63A	750	180	180
125A	550	220	180	125A	800	200	180
225A	650	220	200	225A	900	220	200
400A	800	250	250	400A	1100	280	230
External dimensions of plug-in box with isolation switch				External dimensions of plug-in box with isolation switch			
current level	L (mm)	W (mm)	H (mm)	current level	L (mm)	W (mm)	H (mm)
≤63A	500	200	130	≤63A	750	180	130
125A	550	220	130	125A	800	200	130
225A	650	220	150	225A	900	220	160
400A	800	250	250	400A	1100	280	180
External dimensions of plug-in box with isolation switch				External dimensions of plug-in box with isolation switch			
current level	L (mm)	W (mm)	H (mm)	current level	L (mm)	W (mm)	H (mm)
≤63A	500	220	180	≤63A	750	180	180
125A	650	220	180	125A	800	200	180
225A	750	220	200	225A	900	220	200
400A	900	300	250	400A	1150	300	230

Model selection of SK-LINE series Busway duct

Note: The shortest straight segment measures 500mm, while the longest extends up to 6000mm. These measurements increase in increments of 10mm.



Rated current (A)	L (mm)	J (mm)
250A-1000A	500	500
1250A	500	500
1600A	500	500
2000A	500	600
2500A	800	600
3200A	800	600
4000A-6300A	1000	1000

Unit Selection Table



Start of straight line



Varactor section

POWER SUPPLY SYSTEM



Horizontal bending



Vertical bending



Z-shaped vertical bending section



Composite bending



Z-shaped horizontal bending



Z-shaped vertical bending section

Legend 1

Rated current (A)	A (mm)	B (mm)
250A-1250A	350	350
1600A	400	400
2000A	400	400
2500A	600	600
3200A	600	600
4000A	600	600
5000A	800	800
6300A	800	800

Legend 2

Rated current (A)	A (mm)	B (mm)	C (mm)
250A-1250A	350	350	350
1600A	400	400	400
2000A	400	400	400
2500A	600	600	600
3200A	600	600	600
4000A	800	800	800
5000A	800	800	800
6300A	1000	1000	1000

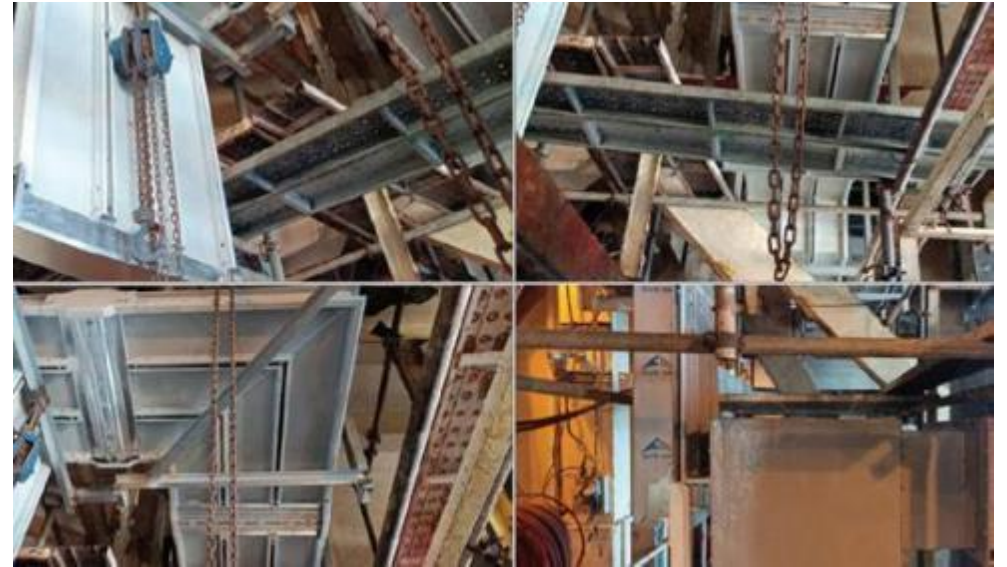




FACTORY CERTIFICATION



- TÜV Group Rheinland, Germany



Application cases

- ◆ Residential
- ◆ Commercial Office
- ◆ Super Tall Building
- ◆ Electrics Factory Field
- ◆ High rise building
- ◆ Traditional Industry
- ◆ Automotive Factory
- ◆ Laboratory
- ◆ Rail Transit
- ◆ Petroleum Industry
- ◆ Mechanical Equipment Factory
- ◆ Commercial Complex Chapter
- ◆ Hospital
- ◆ Airport
- ◆ Large scale industrial parks



Projects in Philippine



Projects in Indonesia



Projects in Vietnam





Projects in Cambodia



Projects in UAE



— O E H O M E G R O U P —

THANKS FOR YOUR WATCHING

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