



# ABOUT CYLON GROUP

## 关于西朗



CYLON Group was founded in 1999 and is a modern high-tech enterprise specializing in integrating electrical design, R&D, manufacturing, sales, and service under one platform. Since its establishment, the company has always adhered to the principles of "Integrity, Innovation, and Quality" as its founding mission and regards "Technology+Service" as the core foundation of its business.

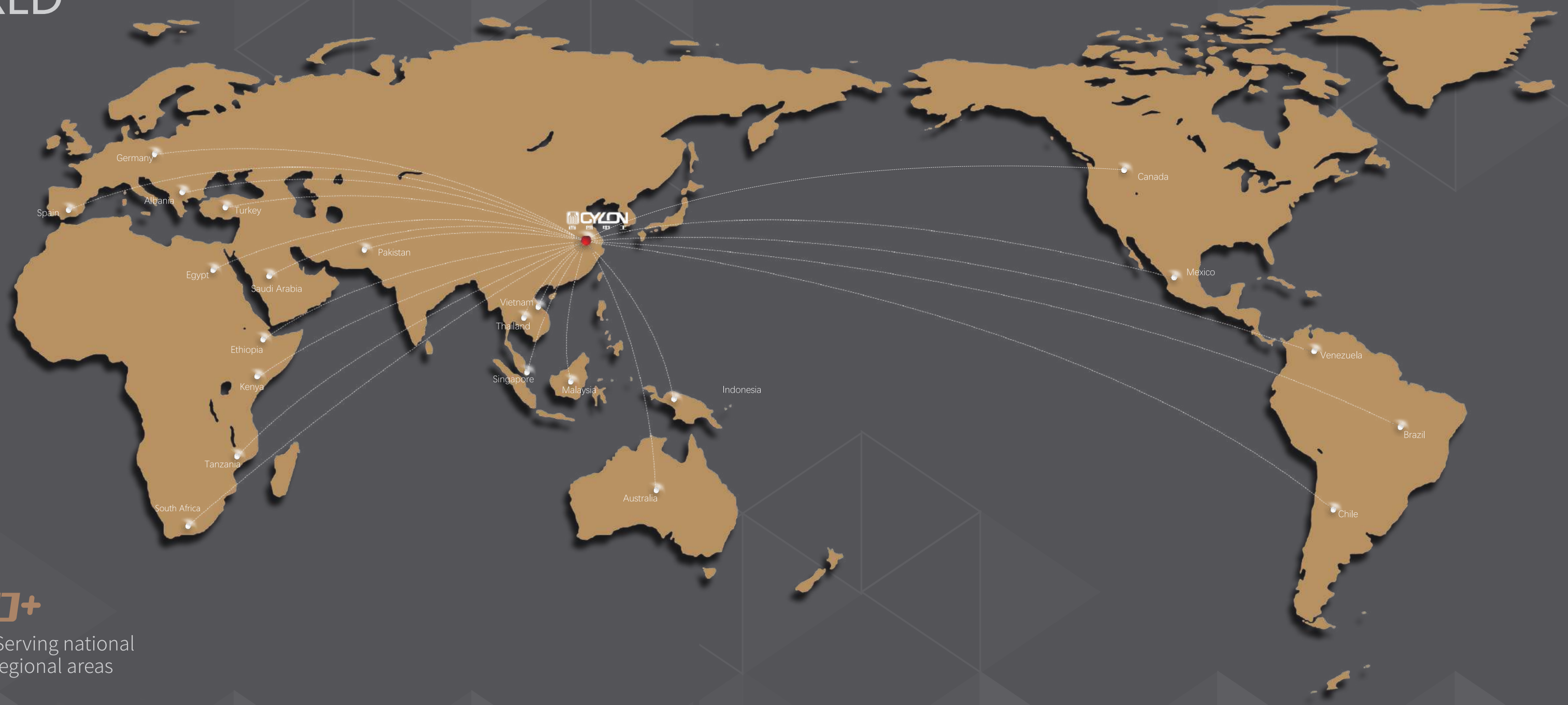


CYLON Group has been committed to scientific and technological innovation and management upgrades, successfully establishing a standardized management system covering quality, environment, occupational health, and safety. Additionally, it has obtained certifications such as COC (China Quality Certification Center) product safety certification and CCC (China Compulsory Certification) national mandatory product certification, forming a comprehensive standardized certification system covering the entire process.



CYLON Group has obtained numerous technical professional certifications and production licenses for electrical industrial products. By leveraging advanced technology, excellent quality, and comprehensive service, the company has established a strong foothold in the electrical industry, laying a solid foundation for XiLang to become a world-class brand in the power-transmission and distribution sector.

# SERVING THE WORLD



**1999**

5 Subsidiaries

**60+**

+60 Serving national and regional areas

**100+**

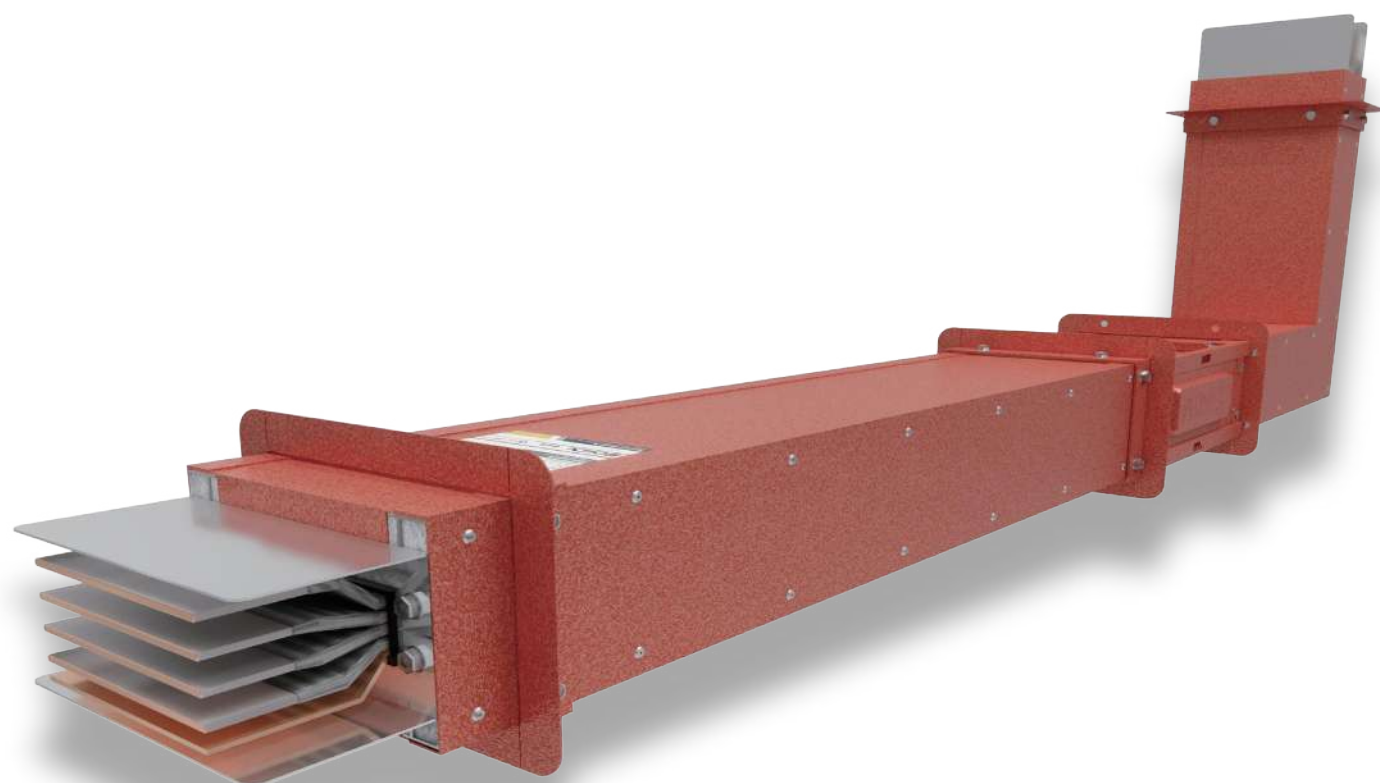
+100 Professional technical personnel

**300000+**

+30000 cumulative customers

**CY-NH**

# Fire-resistant Busway



**Fire Resistance / High temperature Stability**  
**Stable Operation**

**Active Fire Protection. Normal Operation at 950°C**  
**IP66 Protection Level**

Product Features

▶ **Excellent fire resistance performance**

**Insulation Material:** Adopts double insulation of refractory ceramic fiber + high-temperature resistant mica tape, capable of withstanding temperatures up to +950°C.

**Casing:** Features double-layer hollow side panels combined with intumescent fire-resistant coating, offering a fire resistance duration of 195 minutes.

**Standards:** Complies with multiple national standards, ensuring continuous power supply for 3 hours (the golden rescue window) in a fire scenario.



▶ **High-efficiency electrical performance**

**Stable & Durable:** the "sandwich" phase laminated structure ensures low impedance, excellent dynamic-thermal stability, and high short-circuit withstanding capability for all current ratings.

**Extreme Operation Capability:** It can sustain an overload of 120% of the rated value for more than 2 hours in an environment as low as ≤-40°C.

**Adaptability:** Suitable for power transmission and distribution systems below 690V and within the range of 400-4000A, ensuring operation free from short-circuit and leakage hazards.

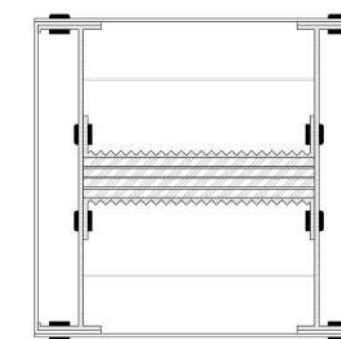


▶ **Exquisite structural design**

**Sandwich structure:** The tight laminated structure ensures a compact shape and saves space.

**Frame:** Cold-formed thin steel outer shell with double-layer hollow side panels, featuring high mechanical strength and resistance to vibration and impact.

**Shell finish:** Fire-retardant paint is applied to the outer side of the panels, with an IP66 protection rating.

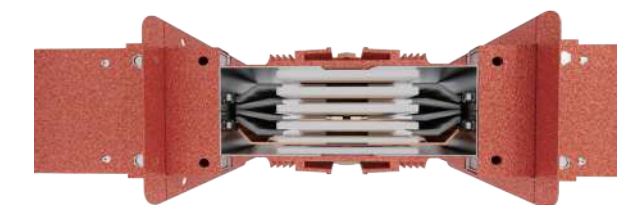


▶ **Strong installation adaptability**

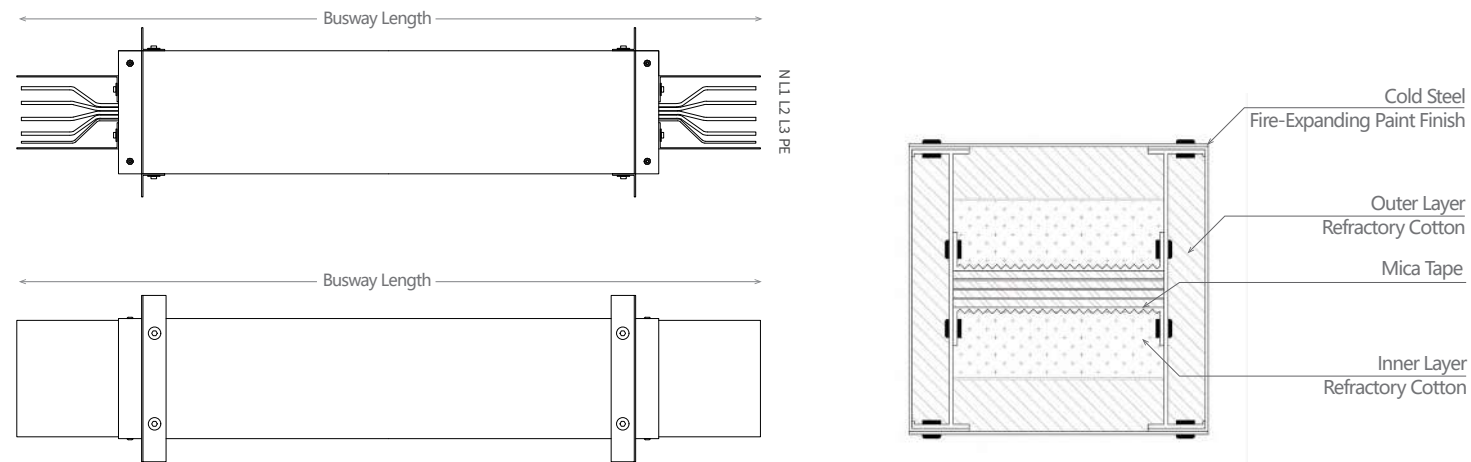
**Casting Mold:** Metal template, anti-deformation, Easy to install, no need for removal, reducing secondary operations.

**Epoxy Casting:** On-site proportioning and mixing, rapid curing in a short time.

**Integrated Design:** No splicing or riveting gaps in the volume section, resulting in a more aesthetic appearance after casting and molding.



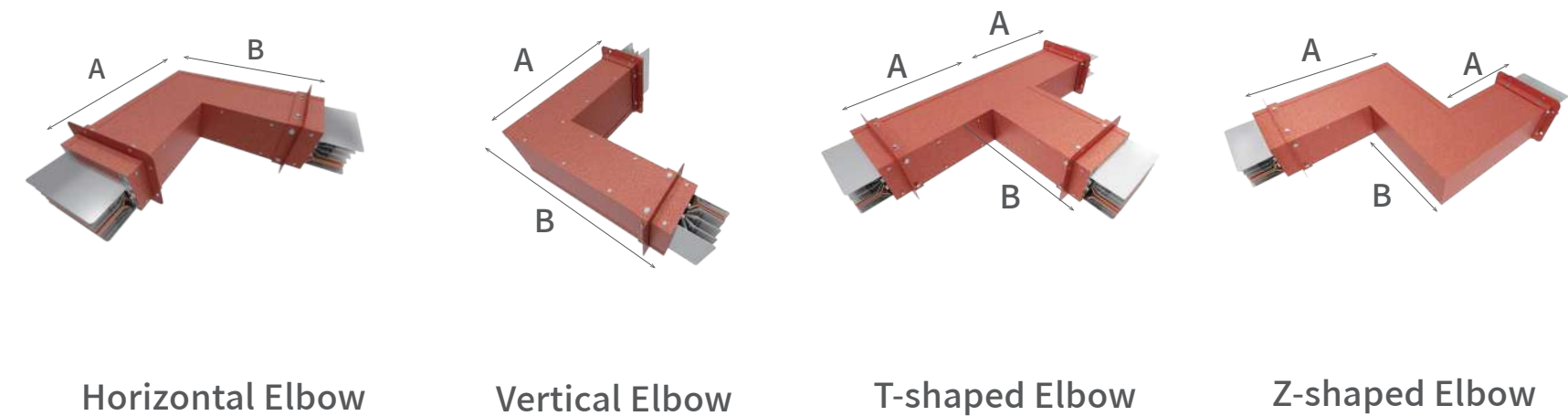
# CY-NH Cast Resin Busway System



Copper Bus Duct Product Technical Parameters Table

Compliance Standard	Unit	JB/T 10327-2011 ; GA/T537-2005 ; GB7251. 6
IP Code		IP54, IP65, IP66
Fire Resistance Time		60min, 120min, 180min(195min)
Surface Treatment		Fireproof Coating
Enclosure Material		Steel Plate
Enclosure Color		Preferred in Red or Bright ColorsAs Specified by the Client
Rated Insulation Voltage	V	AC1000
Rated Operating Voltage	V	AC1000
Overvoltage Typ		III
Rated Current	A	400~4000
Rated Frequency	Hz	50
Rated Short-Time Withstand Current	kA	30/80
Rated Peak Withstand Current	kA	63/143
Clearance	mm	≥10
Creepage Distance	mm	>12.5
Temperature Rise Limit of Fixed Busbar Joints	K	70K
Temperature Rise Limit of Enclosure and Cover Plates	K	55K
Protection Class Against Electric Shock		I
Conductor Material		Copper
Pollution Degree		Level 3
Material Group		IIIa
Overall and Conductor Dimensions		Different current ratings correspond to different data
Weight		Different current ratings correspond to different data
Connection Method		Butt-joint type
Installation Method		Horizontal installation, vertical installation, and hoisting installation

## Steering elbow



Elbow Length:

Rated Current	Standard section	
	A (mm)	B (mm)
400-500	500	500
630	500	500
800	500	500
1000	500	500
1250	500	500
1600	500	500
2000	500	500
2500	500	500

Cross-section of Straight Standard Section:

Current Rating (A)	Type	CY-FS-4p/5p	
	External	W(mm)	H (mm)
400-500		270	230
630		270	230
800		270	245
1000		270	265
1250		270	285
1600		270	335
2000		270	365
2500		270	405

Note: For elbows over 600mm, please place a special order, and the longest one can be 1000mm.