



# CONDUCTOR RAIL PRODUCT MANUAL

滑触线产品手册

安全

环保

高效

节能

腾霖电气（山东）有限公司

Tenglin Electric (Shandong) Co., Ltd.

# COMOANY PROFILE

## 公司介绍

### STRIVE FOR EXCELLENCE; QUALITY FIRST

精益求精 品质至上

Tenglin Electric (Shandong) Co., Ltd. was founded in 2015 with a registered capital of 15 million yuan. With electrical technology as its core, the company focuses on the R&D, production and sales of products such as power busbars, trolley lines (slip ring lines) and bus ducts. Currently, the company has 76 employees, including 3 senior engineers, 16 engineering and management personnel, and nearly 20 sales staff, and has obtained nearly 20 patents.

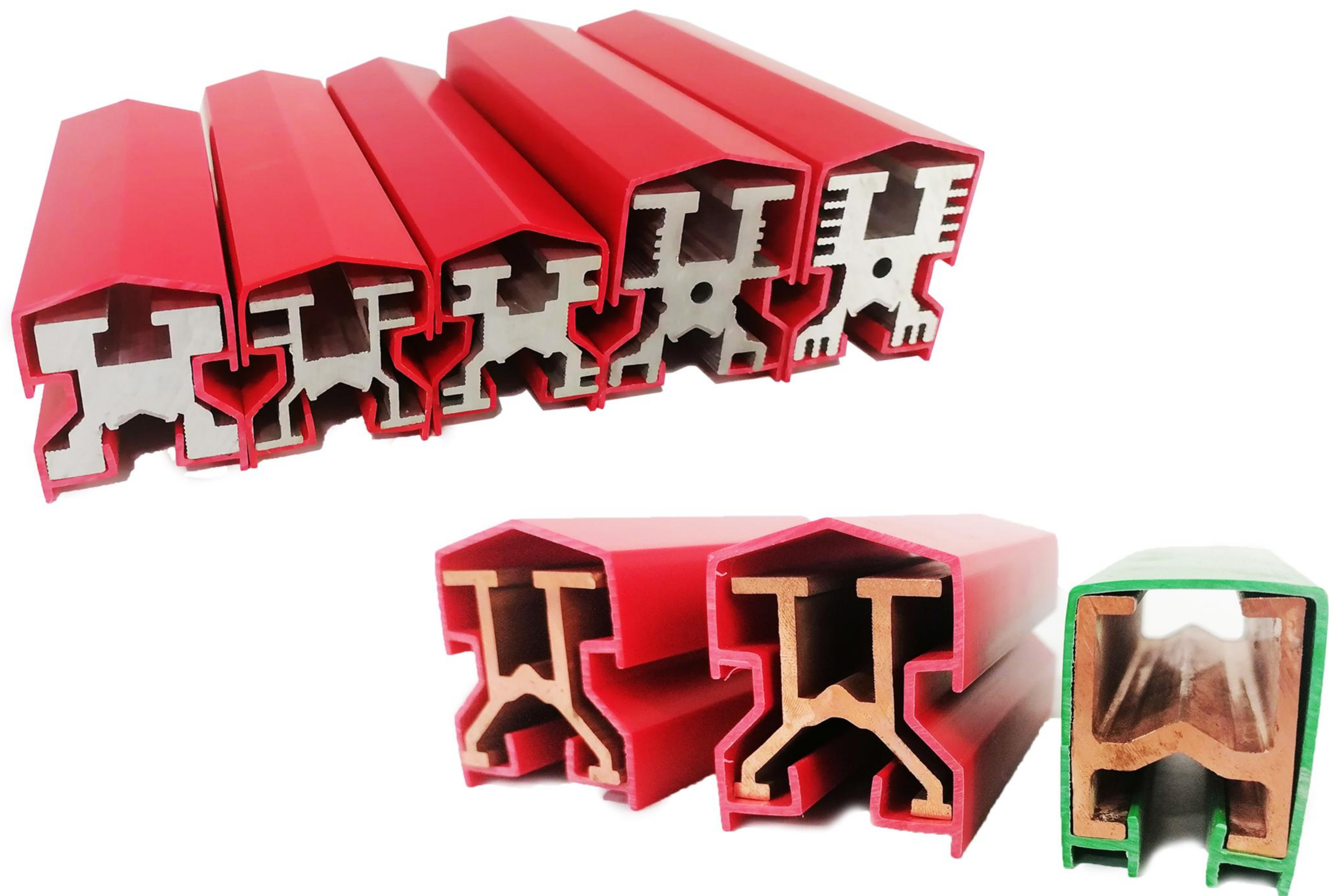
The company's flagship products, the "Jintenglin" series of trolley lines (slip ring lines) and power busbars, are designed and manufactured with optimized improvements. They adopt French technology and are tailored to the actual conditions of China's industrial enterprises. These products comply with the standards of 《JB/T6391.1~92》 and 《JB/T6391.2~92》, and have obtained ISO9001:2000 quality management system certification.

Through joint R&D with Southeast University, the company's products utilize new materials, implement advanced production processes, and are manufactured with sophisticated molds and specialized equipment. As a result, the "Jintenglin" brand trolley lines and power busbars outperform domestic counterparts in electrical and mechanical performance, featuring excellent temperature resistance, corrosion resistance, aging resistance, and a long service life. With a high cost-performance ratio, they are widely used in fields such as automobile manufacturing, metallurgy, petrochemicals, hoisting machinery, power plants, automated production lines, light industry, shipbuilding, warehousing, and amusement venues.



Single-pole safety sliding contact line

单极安全滑触线

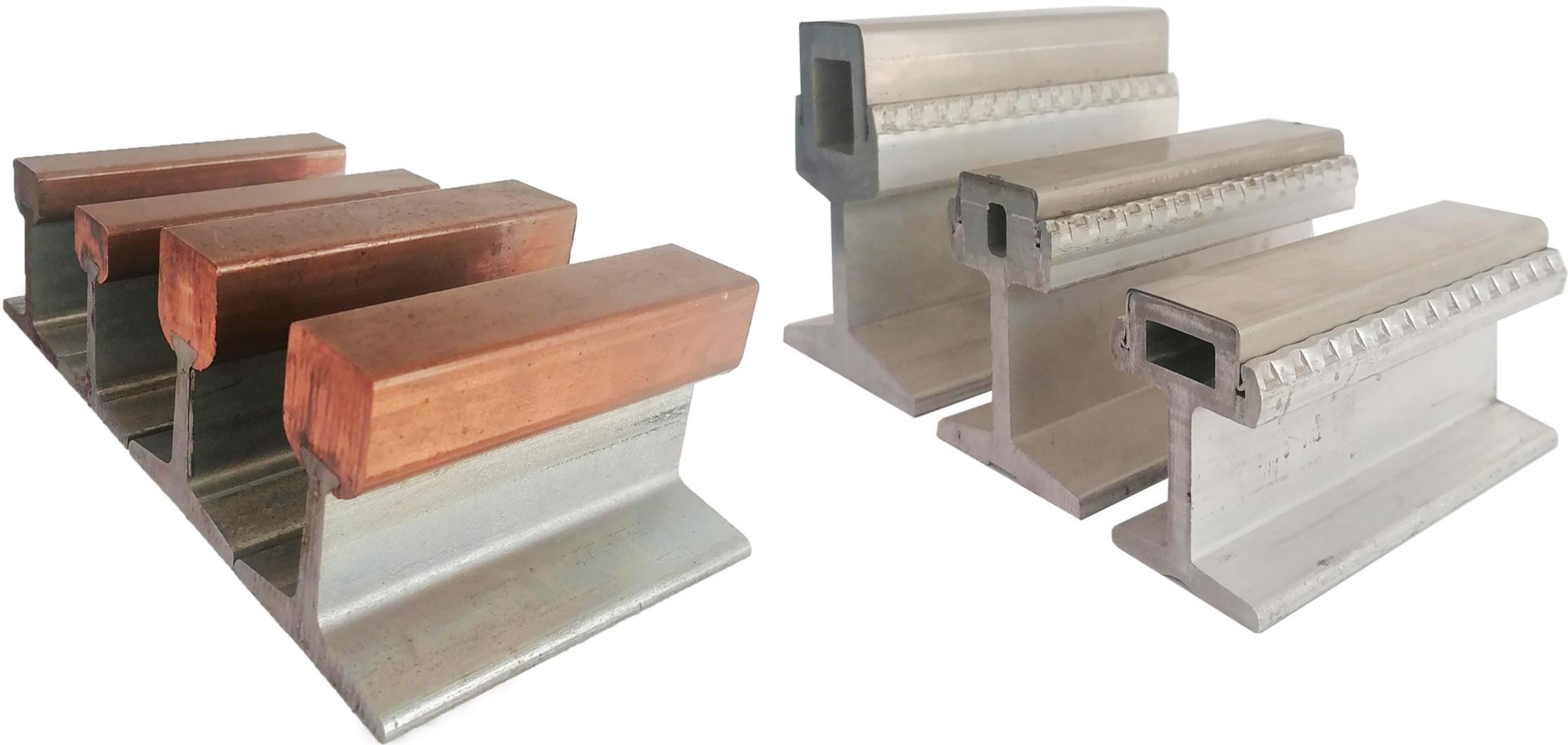


技术参数 Technical Specifications

|                                                         |                                                      |
|---------------------------------------------------------|------------------------------------------------------|
| 额定电流/Rated current                                      | 160A-3000A                                           |
| 导体材料/Conductor material                                 | 6101铝/铜 6101 aluminum/copper                         |
| 护套/Sheath                                               | 标准护套/standard sheath                                 |
| 极间对地绝缘电阻/<br>Inter-pole to ground insulation resistance | > 10MΩ                                               |
| 外壳防护等级/Ingress Protection Rating                        | IP23                                                 |
| 绝缘介电强度/Insulation dielectric strength                   | 3000V,1min无击穿闪烁现象/No breakdown flickering phenomenon |
| 阻燃性/Flame retardancy                                    | 自熄/self-extinguishing                                |
| 软化温度/Softening temperature                              | > 85℃                                                |
| 防触电等级/Electric shock protection class                   | 0级                                                   |
| 化学腐蚀性/Chemical corrosiveness                            | 耐盐碱酸腐蚀/Resistant to salt, alkali, and acid corrosion |

# Steel body sliding contact line

## 钢体滑触线



| 技术参数 Technical Specifications                           |                                                        |
|---------------------------------------------------------|--------------------------------------------------------|
| 额定电流/Rated current                                      | 400A-3200A                                             |
| 导体材料/Conductor material                                 | 铝/铜 aluminum/copper                                    |
| 集电器运行速度U/Collector Operating Speed (U)                  | $V \leq 360\text{m/min}$                               |
| 极间对地绝缘电阻/<br>Inter-pole to ground insulation resistance | $> 10\text{M}\Omega$                                   |
| 短时耐受电流/Short-time withstand current                     | 20 times $I_e$ / 1s                                    |
| 绝缘介电强度/Insulation dielectric strength                   | 40000V, 1min无击穿闪烁现象/No breakdown flickering phenomenon |
| 阻燃性/Flame retardancy                                    | 自熄/self-extinguishing                                  |
| 工作环境温度/Working environment temperature                  | $-45^{\circ}\text{C} \sim +150^{\circ}\text{C}$        |
| 抗地震烈度/Seismic resistance intensity                      | 8级                                                     |
| 化学腐蚀性/Chemical corrosiveness                            | 耐盐碱酸腐蚀/Resistant to salt, alkali, and acid corrosion   |

# Seamless sliding contact line

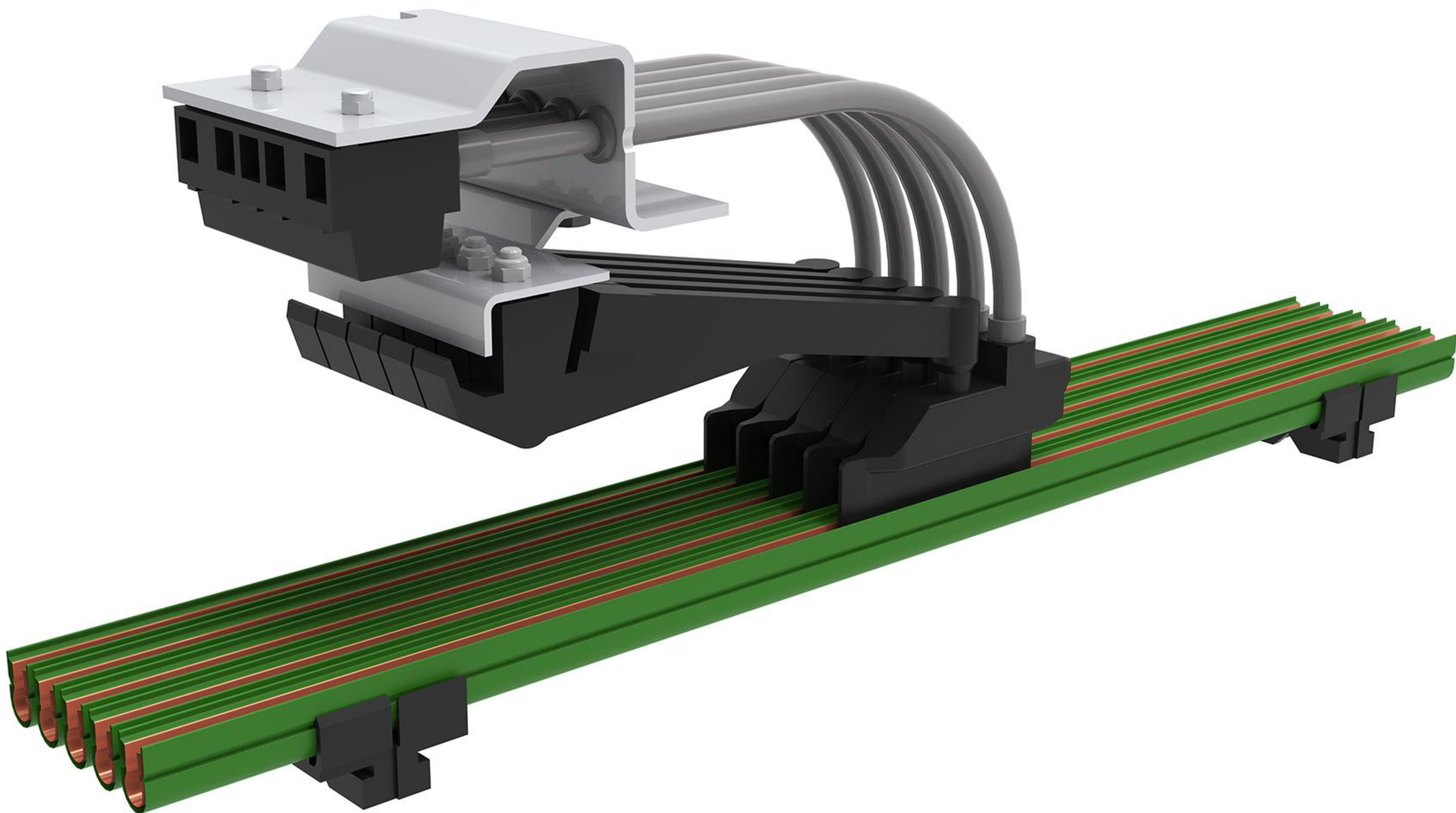
## 无缝滑触线



| 技术参数 Technical Specifications |                                                             |
|-------------------------------|-------------------------------------------------------------|
| 额定电流/Rated current            | 50A-170A                                                    |
| 导体材料/Conductor material       | 铜/Cu                                                        |
| 工作环境/Operating Environment    | 室内或有防护的室外/Indoor or Sheltered Outdoor                       |
| 环境温度/Ambient Temperature      | -40℃-+80℃                                                   |
| 防护等级/Protection Rating        | IP23                                                        |
| 最大工作电压/Max. Operating Voltage | 交流 660V 或直流1000V/AC 660V or DC 1000V                        |
| 运行速度/Travel Speed             | V≤300m/min                                                  |
| 污染等级/Pollution Degree         | 4级(一般导电粉尘和凝霜状态)/<br>Degree 4(Conductive dust &condensation) |
| 相对湿度/Relative Humidity        | <95%                                                        |
| 执行标准/Compliance Standard      | JB6391.1-2010                                               |

## U-shaped sliding contact line

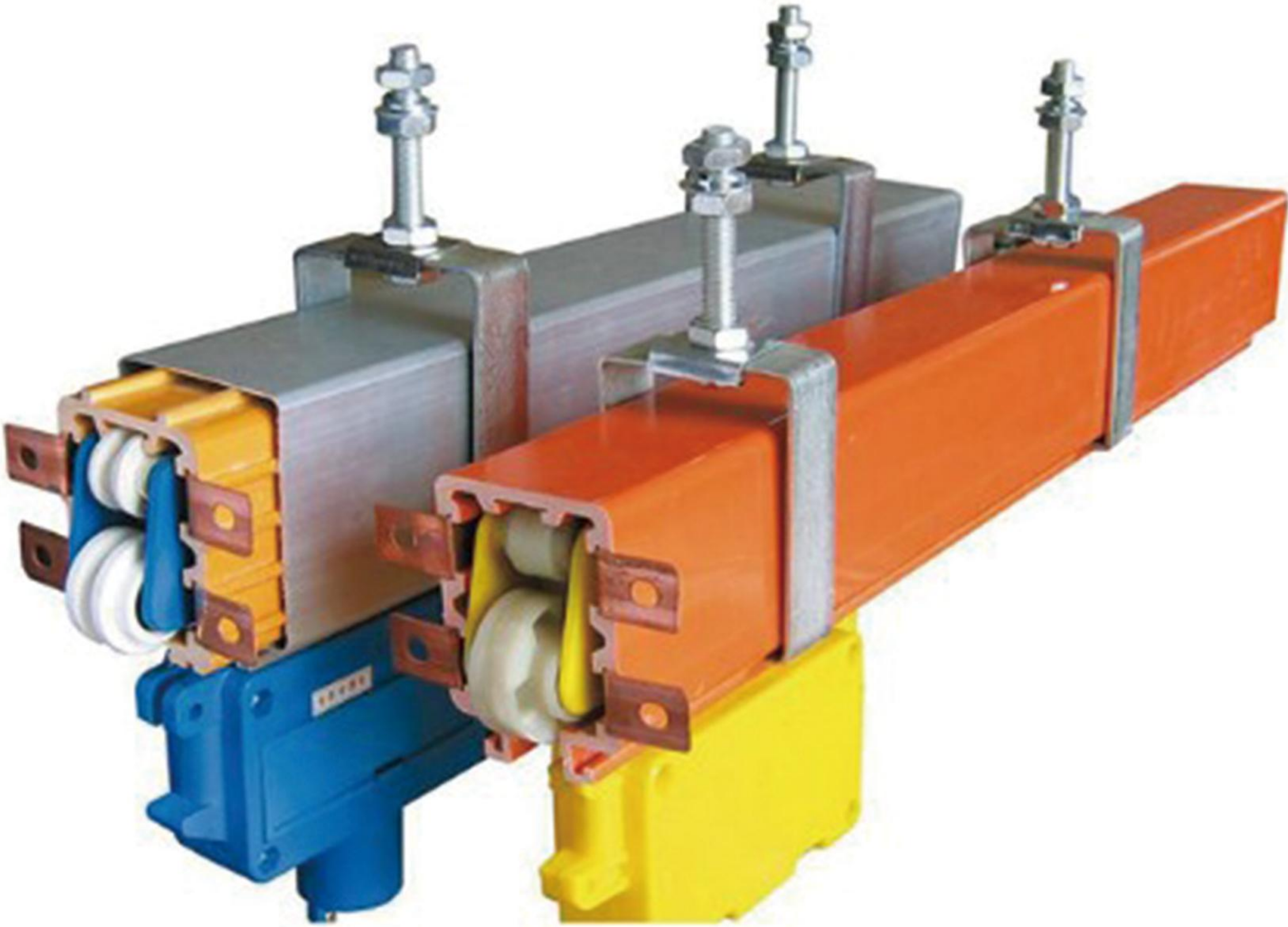
### U型滑触线



| 技术参数 Technical Specifications         |                                       |
|---------------------------------------|---------------------------------------|
| 额定电流/Rated current                    | 100A/120A                             |
| 导体材料/Conductor material               | 铜/Cu                                  |
| 工作环境/Operating environment            | 室内或有防护的室外/Indoor or Sheltered Outdoor |
| 环境温度/Ambient temperature              | -25℃-+55℃                             |
| 防护等级/Protection rating                | IP23                                  |
| 额定电压/Rated voltage                    | 660V                                  |
| 运行速度/Travel speed                     | V≤220m/min                            |
| 外壳爬电距离/Creepage distance of the shell | 30mm                                  |
| 相对湿度/Relative humidity                | <100%                                 |
| 阻燃性能/Flame retardant performance      | 自熄/Self-extinguishing                 |

# Tubular sliding contact line

## 管式滑触线



### 技术参数 Technical Specifications

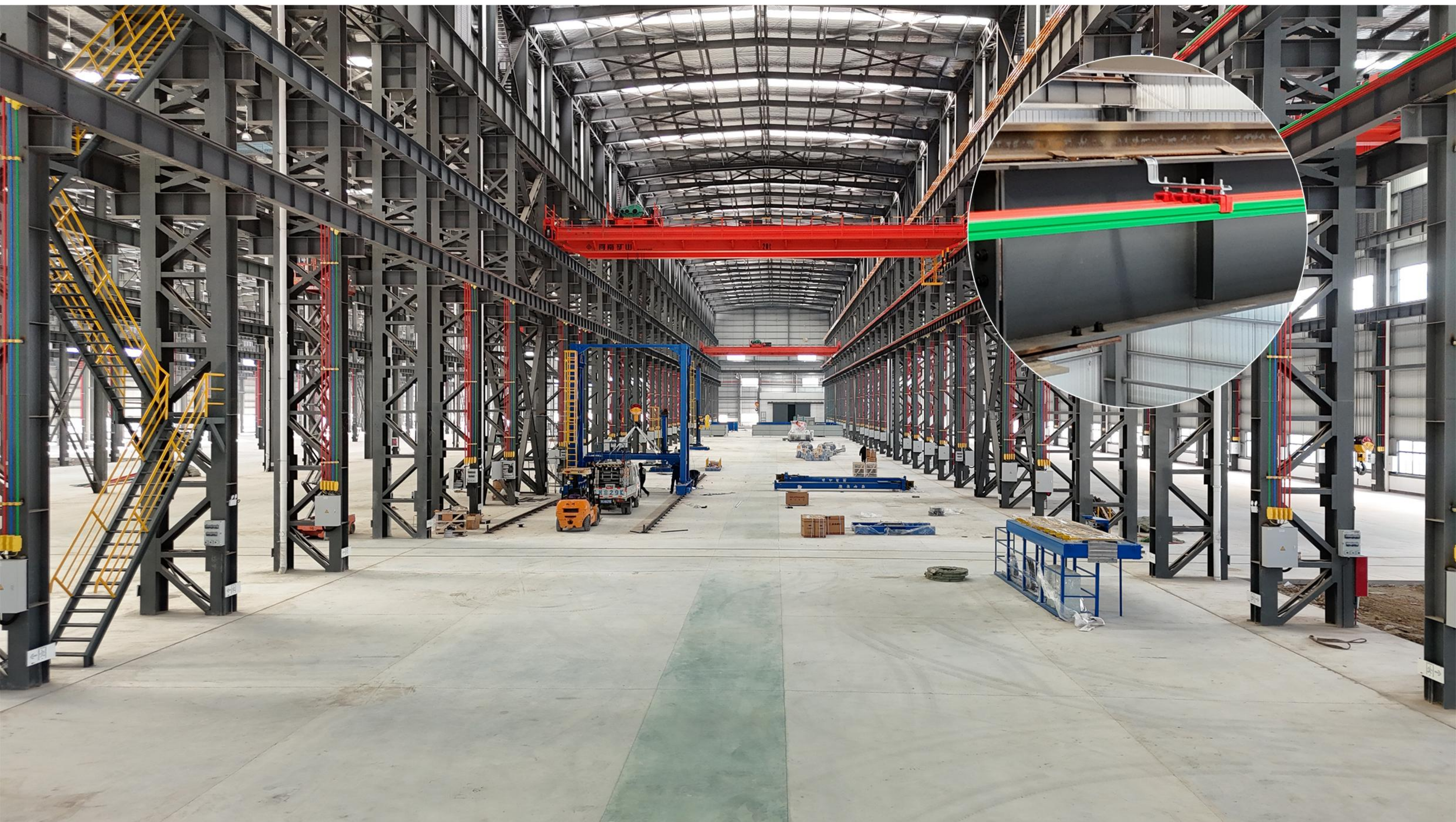
|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| 额定电流/Rated current            | 50A-210A                                                   |
| 导体材料/Conductor material       | 铜/Cu                                                       |
| 工作环境/Operating environment    | 室内或有防护的室外/Indoor or Sheltered Outdoor                      |
| 环境温度/Ambient temperature      | -25℃-+55℃                                                  |
| 防护等级/Protection rating        | IP23                                                       |
| 最大工作电压/Max. Operating Voltage | 交流 660V 或直流1000V/AC 660V or DC 1000V                       |
| 运行速度/Travel speed             | V≤240m/min                                                 |
| 污染等级/Pollution Degree         | 4级(一般导电粉尘和凝霜状态) / Degree 4(Conductive dust & condensation) |
| 相对湿度/Relative humidity        | <95%                                                       |
| 执行标准/Compliance Standard      | JB6391.1-2010                                              |

Engineering Case

工程案例



Engineering Case  
工程案例



WELCOME TO SHANDONG SHENZHOU MACHINERY CO., LTD NO:SZJX2





Tenglin Electric

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