Rolling Stock Wires & Cables
Hitachi Metals Rolling Stock Cables

As the development of railway networks continue to advance, demand is growing for rolling stock and components. In response to this demand, Hitachi Metals has developed an extensive range of rolling stock cables which are employed in railway projects worldwide. Our products comply with major industry standards, while our product design, with safety at its core, can be tailored to meet the customer's individual specification.

Compliance requires that various properties be used, including those that ensure fire safety, such as high flame retardancy and high durability, as well as low smoke and toxicity having less impact on the human body if the cable catches fire. Our product portfolio covers both low & high voltage cables used for wirings in rolling stocks, such as those in the driver's cab, under floors, and rooftops. Meeting our customers requirement is our goal and foundation for success. We would appreciate this opportunity to support you.
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One Stop Rolling Stock Cable Solutions

All wiring needs are fulfilled by a single source (from floor to roof)

Driver's Cab
- General Circuit
- Signal Circuit

Under-roof
- General Circuit
- Signal Circuit
- LAN Cable

High Voltage System
- High Voltage Cable (30kV)
- Cable Termination for HV System

Hitachi Metals offers wide range of cable solutions. Benefits to customers include reduced cross section and weight. We are capable of supplying thin-walled wires and cables, using unique insulating materials.

LAN Cables: Application of on-board LAN cables has expanded to passenger information service and rolling stock control. Hitachi Metals supplies international-standard based LAN cables suitable for wiring in rolling stock.

High Voltage System: Hitachi Metals is a key supplier of 30kV high-voltage cable and termination accessories. We have an established track record of delivering high voltage systems to some of world’s most advanced high speed railway systems in Japan and China.

Main Circuit: When a high current is required, heavy & thick rolling stock wires are generally used. Hitachi Metals offers unique insulation technology, which enables the customer to apply high current through lighter & thinner wires.

Jumper Cables: For coach-to-coach applications, we offer special robust construction cables to withstand vibration.
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Under-floor 
General Circuit  
Main Circuit  
Light Weight Wire

Coach-to-Bogie 
Special Signal Circuit

Coach-to-Coach 
General Circuit  
Signal Circuit  
Special Jumper Cable (for power and signal)  
Optical Fiber Jumper Cable
Delivery Track Record

Hitachi Metals’ global operations and its dedicated sales team are ready to support your rolling stock business. Our wires & cables of various kinds have been widely employed in rolling stock for various railways, including high speed railways, conventional railways and underground railways.

**High Speed Train**
- JR Shinkansen (Japan)
- High Speed 1 / CTRL (UK)
- Taiwan High Speed (Taiwan)

**Metro / LRT**
- Daegu Monorail (Korea)
- Chongqing Rail Transit (China)
- Taipei MRT (Taiwan)
What differentiates Hitachi Metals from competition...

- Skilled customer service and on-time delivery management.
- Trusted cable technology and engineering support to quality-oriented customers.
- 50 years of innovation - ability to respond to special cable requirements of individual railway project.

Hitachi Metals delivers Customer Oriented Harness Solutions

Highly-functional & advanced railway systems today demand more & more rolling stock cable than ever before, both in volume and complexity, and such complexity of the cable installation tends to cause low productivity during the railway vehicle assembly. Our experience in both cable and harness production enables our customers to substantially reduce installation time, scrap and cable inventory. Our harness solutions bring simplicity to your rolling stock production management.