

Railway Wiring Harness Market by Application(HVAC, Lighting, Traction System, Infotainment), Material, Train (Metro/Monorail, Light Rail, HRS), Component (Wire, Connector), Voltage (High, Low), Cable, Wire length,End Use and Region - Global Forecast to 2026

<https://marketpublishers.com/r/RE0F69DC775EN.html>

Date: June 2021

Pages: 276

Price: US\$ 4,950.00 (Single User License)

ID: RE0F69DC775EN

Abstracts

The railway wiring harness market, by value, was USD 1.5 billion in 2021. It is projected to grow at a CAGR of 4.6% from 2021 to 2026, to reach USD 1.9 billion by 2026. Rapid urbanization in emerging countries has increased the demand for public transport such as rail networks. In addition, the increasing demand for a safe and efficient mode of transportation is expected to drive the growth of the market. The high population growth rate, particularly in Asia Pacific countries such as China and India, has intensified the need to increase mass transportation and expand the existing rail infrastructure. China invested USD 50.3 billion in the railway sector during the first half of 2020. Investments in railways are expected to provide growth opportunities for the railway wiring harness market in future.

According to World Economic Forum, while in 1950, less than 20 percent of Africans and sns lived in cities, that number had increased to 43 percent and 51 percent, respectively, by 2020 South America also increased urban populations majorly during the same time period, arriving at an urban population share of more than 80 percent – higher than that of Europe. Increasing urbanization is expected to drive the growth of rapid transit systems such as metros, subways, light rails, and trams. Various countries are increasingly investing in metro systems to reduce traffic on roads. Emerging countries such as India, China, Egypt, and Brazil are investing significantly in the development of metro infrastructure which in turn will support the growth of railway wiring harness.

According to UIC, the global extension of the high-speed rail network is expected to reach more than 80,000 km by 2030–2035. Countries such as Japan, China, Germany, France, and Spain have successfully installed high-speed rail networks, which have revolutionized transportation in these countries. For instance, the high-speed rail line between the Chinese cities of Xi'an and Chongqing has reduced travel time from 9.5 hours to 5.5 hours. These aspects related to high-speed rail transit drive the growth of high voltage electrified rail tracks, which, in turn, are expected to boost the growth of the railway wiring harness market.

“INCREASED INVESTMENTS FOR INTRODUCING ADVANCED TECHNOLOGIES IN TRAINS IS TO DRIVE WIRE SEGMENT BY COMPONENT”

The wire segment is expected to be the largest and fastest-growing market due to the increasing number of electronic systems in a train and rising trend of driverless trains. Increasing urbanization, rising demand for increased connectivity, and the comfort, reliability, and safety offered by rail transport have led to the growth of wire components for rail transportation. Rolling stock plays a vital role in the infrastructure of a city or a country. There is a rising demand for convenient, eco-friendly, and safe modes of transportation from commuters and governments. For instance, in 2020, China announced investments of USD 14 billion for Intercity transportation and high-speed rail projects. In 2020, 24 European countries came together to boost international rail routes and provide international services for passengers who travel in a range of 300 km-800 km such as digital solutions for complex ticketing systems for multiple journeys. This is expected to boost the passenger transportation market in the coming years. Thus, with growing applications of wiring harnesses in railways, wiring with different lengths would witness significant demand.

“INCREASING DEMAND FOR HIGH END CONNECTED TRAIN IS DRIVING RAILWAY WIRING HARNESS MARKET”

OEM is estimated to hold the largest market share during the forecast period. Increasing advanced rolling stock orders and deliveries, economic growth across the regions, and increasing demand for passenger comfort in trains are the factors driving the railway wiring. Most new trains are equipped with advanced features such as enhanced lighting, HVAC and infotainment, leading to higher demand for the wiring harness. As a result, OEMs segment would continue dominating the market. In 2020, Over 7,000 conventional coaches are expected to be denounced as Indian Railways has begun the massive exercise of replacing the entire fleet with German-designed LHB (Linke Hofmann Bosch) coaches in a phase-wise manner, a move aimed at

strengthening safety and increasing the speed of all trains. Aftermarket is estimated to show the highest CAGR growth due to the changing technologies which require regular upgradation in the rolling stocks system.

“Improving Safety of The Electrical and Electronic Systems of The Train To Drive The Market”

The global demand for rail vehicles is fuelled by the rising population in urban areas, which is placing significant pressure on the existing transportation infrastructure and necessitates the expansion of the network infrastructure. According to UNCTAD (2020 report), 51.1% lived in urban areas ten years ago. The share of the urban population increased to 55.7% in 2019. It is generally higher in the developed (80.5% in 2019) than in the emerging world (51.1%), with transition economies in between the two (65.4%). Over the last ten years, urbanization has been most prominent in emerging economies, especially in Asia, which witnessed the urbanization rate increase from 42.3% in 2009 to 49.1% in 2019. The increasing urban population is expected to require governments to increase urban transportation facilities such as metros, light rails, monorails, and subways. This is expected to drive the demand for new rail vehicles including locomotives, multiple units, wagons, and coaches. The increase in rail projects will directly impact the demand for railway wirings as they carry and provide electric energy for the systems across the train. Presently, trains have a greater number of wiring due to the inclusion of a larger number of electric systems such as surveillance cameras, sensors, visual boards, and chargers. A wire harness is compact and is insulated with plastic, which improves the safety of the electrical and electronic systems of the train. It has become vital for wiring harness manufacturers to meet the global demand and comply with safety standards in order to become more agile and adapt to consistent technological enhancements.

The study contains insights from various industry experts, ranging from component suppliers to tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type: Tier 1 - 52%, Tier 2 – 27%, Others - 21%

By Designation: C level - 47%, D level - 37%, Others - 16%

By Region: Asia Pacific- 28%, North America - 22%, Europe - 26%, Middle East and Africa -14%, RoW-10%

Major players profiled in the report are Hitachi Ltd. (Japan), Prysmian Group (Italy), TE Connectivity (Switzerland), Leoni (Germany), and Nexans (France).

Research Coverage

The report segments the railway wiring harness market and forecasts its size, by value, on the basis of train type (metro/monorail, light rail, and high-speed rail/bullet train), application (HVAC, lighting, brake, traction system, engine, infotainment, and others), component (wire, connector, terminal, and others), cable type (power cable, transmission cable, jumper cable, and others), voltage (low voltage, medium voltage, and high voltage), Wiring harness Length (less than 5 feet, 5-15 feet, more than 15 feet), end use (OEM and Aftermarket) and region. It also covers the competitive landscape and company profiles of the major players in the railway wiring harness market ecosystem.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants in this market with information on the closest approximations of revenue and value for the railway wiring harness market and its sub segments.

This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies.

The report will also help the market players understand the impact of COVID-19 on railway wiring harness market.

The report also helps stakeholders understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS & EXCLUSIONS

TABLE 1 INCLUSIONS & EXCLUSIONS FOR RAILWAY WIRING HARNESS MARKET

1.3 MARKET SCOPE

1.3.1 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY

TABLE 2 CURRENCY EXCHANGE RATES (USD)

1.5 PACKAGE SIZE

1.6 LIMITATIONS

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 RESEARCH DESIGN

FIGURE 2 RESEARCH METHODOLOGY MODEL

2.2 SECONDARY DATA

2.2.1 KEY SECONDARY SOURCES

2.2.2 KEY DATA FROM SECONDARY SOURCES

2.3 PRIMARY DATA

FIGURE 3 BREAKDOWN OF PRIMARY INTERVIEWS:

2.3.1 PRIMARY PARTICIPANTS

2.4 MARKET ESTIMATION METHODOLOGY

FIGURE 4 RESEARCH METHODOLOGY: HYPOTHESIS BUILDING

2.4.1 BOTTOM-UP APPROACH

2.4.2 BOTTOM-UP APPROACH: RAILWAY WIRING HARNESS MARKET

2.4.3 TOP-DOWN APPROACH: RAILWAY WIRING HARNESS MARKET

FIGURE 5 RAILWAY WIRING HARNESS MARKET: RESEARCH DESIGN AND METHODOLOGY

2.4.4 DEMAND-SIDE APPROACH

FIGURE 6 RAILWAY WIRING HARNESS MARKET: RESEARCH METHODOLOGY ILLUSTRATION OF TE CONNECTIVITY REVENUE ESTIMATION

2.4.5 FACTOR ANALYSIS FOR MARKET SIZING: DEMAND AND SUPPLY-SIDE

2.5 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 7 DATA TRIANGULATION

FIGURE 8 FACTOR ANALYSIS

2.6 RESEARCH ASSUMPTIONS

2.7 RESEARCH LIMITATIONS

3 EXECUTIVE SUMMARY

FIGURE 9 RAILWAY WIRING HARNESS MARKET: MARKET DYNAMICS

FIGURE 10 RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026

FIGURE 11 LIGHT RAIL SEGMENT PROJECTED TO LEAD THE RAILWAY WIRING HARNESS MARKET FROM 2021 TO 2026

FIGURE 12 ASIA PACIFIC EXPECTED TO DOMINATE THE RAILWAY WIRING HARNESS MARKET DURING THE FORECAST PERIOD

FIGURE 13 IMPACT OF COVID-19 ON RAILWAY WIRING HARNESS MARKET, 2021–2026

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN THE RAILWAY WIRING HARNESS MARKET

FIGURE 14 INCREASING RAPID TRANSIT RAIL NETWORK PROJECTS EXPECTED TO BOOST THE GROWTH OF THE RAILWAY WIRING HARNESS MARKET

4.2 RAILWAY WIRING HARNESS MARKET, BY REGION

FIGURE 15 ASIA PACIFIC IS ESTIMATED TO ACCOUNT FOR THE LARGEST MARKET SHARE IN 2021

4.3 RAILWAY WIRING HARNESS MARKET, BY CABLE TYPE

FIGURE 16 POWER CABLE SEGMENT PROJECTED LEAD THE MARKET, 2021 VS. 2026 (USD MILLION)

4.4 RAILWAY WIRING HARNESS MARKET, BY VOLTAGE

FIGURE 17 THE HIGH VOLTAGE SEGMENT IS EXPECTED TO BE THE LARGEST SEGMENT OF THE MARKET FROM 2021 TO 2026

4.5 RAILWAY WIRING HARNESS MARKET, BY MATERIAL

FIGURE 18 THE COPPER SEGMENT IS PROJECTED TO DOMINATE THE MARKET DURING THE FORECAST PERIOD

4.6 RAILWAY WIRING HARNESS MARKET, BY APPLICATION

FIGURE 19 THE TRACTION SYSTEM SEGMENT PROJECTED TO BE THE LARGEST SEGMENT OF THE RAILWAY WIRING HARNESS MARKET, 2021 VS. 2026 (USD MILLION)

4.7 RAILWAY WIRING HARNESS MARKET, BY TRAIN TYPE

FIGURE 20 THE LIGHT RAIL SEGMENT PROJECTED TO BE THE LARGEST SEGMENT OF THE RAILWAY WIRING HARNESS MARKET DURING FORECAST PERIOD

4.8 RAILWAY WIRING HARNESS MARKET, BY COMPONENT

FIGURE 21 THE WIRE SEGMENT IS PROJECTED TO DOMINATE THE MARKET FROM

2021 TO 2026

4.9 RAILWAY WIRING HARNESS MARKET, BY WIRE LENGTH

FIGURE 22 LESS THAN 5 FEET IS PROJECTED TO BE THE LARGEST SEGMENT OF THE RAILWAY WIRING HARNESS MARKET FROM 2021 TO 2026

4.10 RAILWAY WIRING HARNESS MARKET, BY REGION

FIGURE 23 APAC IS EXPECTED TO BE THE LARGEST MARKET FOR RAILWAY WIRING HARNESS DURING THE FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

TABLE 3 IMPACT OF MARKET DYNAMICS

5.2 MARKET DYNAMICS

FIGURE 24 RAILWAY WIRING HARNESS MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 INCREASING RAILWAY-RELATED PROJECTS

TABLE 4 WORLD'S BIGGEST ONGOING CONSTRUCTIONS: TOP TEN RAILWAY PROJECTS BY COST

5.2.1.2 Increasing demand for safety and security concerns

TABLE 5 ADVANTAGES OF CONNECTED RAILS

5.2.1.3 Rising smart city projects

TABLE 6 TOP GROWING SMART CITIES/COUNTRIES

5.2.2 RESTRAINTS

5.2.2.1 Environmental challenge for wiring harness

5.2.3 OPPORTUNITIES

5.2.3.1 Growing trend of driverless trains

TABLE 7 AUTOMATED RAILWAY NETWORK

5.2.3.2 Development of energy-efficient wiring system

5.2.4 CHALLENGES

5.2.4.1 Fluctuating prices of copper

FIGURE 25 FLUCTUATION IN COPPER PRICE

5.2.4.2 Durability issues

5.2.4.3 Lack of proper railway infrastructure

5.3 PORTER'S FIVE FORCES

FIGURE 26 PORTER'S FIVE FORCES: RAILWAY WIRING HARNESS MARKET

TABLE 8 RAILWAY WIRING HARNESS MARKET: IMPACT OF PORTER'S 5 FORCES

5.3.1 COMPETITIVE RIVALRY

5.3.1.1 A large number of players in the market leads to medium competition in the railway wiring harness market

5.3.2 THREAT OF NEW ENTRANTS

5.3.2.1 Stringent government regulations offer hindrance in entering the market

5.3.3 THREAT OF SUBSTITUTES

5.3.3.1 Availability of limited or no substitutes makes the threat low

5.3.4 BARGAINING POWER OF BUYERS

5.3.4.1 Specific buyer requirement and a large number of suppliers makes the bargaining power of buyers high

5.3.5 BARGAINING POWER OF SUPPLIERS

5.3.5.1 A large number of component suppliers of tier 1 companies makes the bargaining power of suppliers low

5.4 RAILWAY WIRING HARNESS MARKET ECOSYSTEM

FIGURE 27 RAILWAY WIRING HARNESS MARKET: ECOSYSTEM ANALYSIS

TABLE 9 RAILWAY WIRING HARNESS MARKET: ROLE OF COMPANIES IN ECOSYSTEM

5.5 VALUE CHAIN ANALYSIS

FIGURE 28 VALUE CHAIN ANALYSIS: RAILWAY WIRING HARNESS

5.6 AVERAGE SELLING PRICE TREND

FIGURE 29 FLUCTUATION IN COPPER PRICE

5.7 PATENT ANALYSIS

5.8 TARIFF AND REGULATORY OVERVIEW

TABLE 10 EUROPE RAILWAY STANDARDS

TABLE 11 RAILWAY STANDARDS

FIGURE 30 INDIA RAILWAY STANDARDS

TABLE 12 CHINA RAILWAY STANDARDS

5.9 CASE STUDY

5.9.1 ELECWORKS BRINGS AN ADVANCED METHOD THAT ACCELERATES AND ENHANCES THE ELECTRICAL DESIGN AT CHINA ZHUZHOU SOUTH RAILWAY INSTITUTE – WIND POWER BUSINESS UNIT

5.9.2 CABLE MANAGEMENT SPECIFIC STANDARD UNDER RAILWAY CATEGORY IN CHINA

5.10 IMPORT AND EXPORT DATA

FIGURE 31 US: IMPORT AND EXPORT DATA OF RAILWAYS AND TRAMWAYS, LOCOMOTIVES, RAILWAY WIRING HARNESS, AND PARTS, 2014-2020 (USD MILLION)

FIGURE 32 CHINA: IMPORT AND EXPORT DATA FOR RAILWAYS AND TRAMWAYS, LOCOMOTIVES, RAILWAY WIRING HARNESS, AND PARTS, 2014-2020 (USD MILLION)

5.11 RAILWAY WIRING HARNESS MARKET: COVID-19 IMPACT

5.11.1 IMPACT ON RAW MATERIAL SUPPLY

5.11.2 COVID-19 IMPACT ON RAILWAY WIRING HARNESS

5.12 RAILWAY WIRING HARNESS MARKET, SCENARIOS (2021–2026)

5.12.1 RAILWAY WIRING HARNESS MARKET, MOST LIKELY SCENARIO

TABLE 13 RAILWAY WIRING HARNESS MARKET (MOST LIKELY), BY REGION, 2021–2026 (USD MILLION)

5.12.2 RAILWAY WIRING HARNESS MARKET, OPTIMISTIC SCENARIO

TABLE 14 RAILWAY WIRING HARNESS MARKET (OPTIMISTIC), BY REGION, 2021–2026 (USD MILLION)

5.12.3 RAILWAY WIRING HARNESS MARKET, PESSIMISTIC SCENARIO

TABLE 15 RAILWAY WIRING HARNESS MARKET (PESSIMISTIC), BY REGION, 2021–2026 (USD MILLION)

5.13 REVENUE SHIFT FOR RAILWAY WIRING HARNESS MANUFACTURERS

5.14 TECHNOLOGY ANALYSIS FOR RAILWAY

5.14.1 IOT IN RAILWAYS

5.14.2 BIG DATA ANALYTICS AND CLOUD COMPUTING IN RAILWAYS

5.14.3 CONNECTED TRAINS

5.14.3.1 Positive train control (PTC)

5.14.3.2 Communication/Computer-Based Train Control (CBTC)

5.14.3.3 Passenger information system (PIS)

5.14.4 AUTONOMOUS TRAIN

5.14.5 EUROPEAN NETWORK AND INFORMATION SECURITY AGENCY (ENISA)

5.15 TECHNOLOGY ANALYSIS FOR RAILWAY WIRING HARNESS

5.15.1 DRAG CHAIN AND TORSION RAILWAY WIRING HARNESS

5.15.2 WIRING HARNESS WITH DUAL TEMPERATURE

6 RAILWAY WIRING HARNESS MARKET, BY APPLICATION

6.1 INTRODUCTION

FIGURE 33 RAILWAY WIRING HARNESS MARKET, BY APPLICATION, 2021 VS. 2026 (USD MILLION)

TABLE 16 RAILWAY WIRING HARNESS MARKET, BY APPLICATION, 2016–2020

(USD MILLION)

TABLE 17 RAILWAY WIRING HARNESS MARKET, BY APPLICATION, 2021–2026

(USD MILLION)

6.2 OPERATIONAL DATA

TABLE 18 RAILWAY WIRING HARNESS DATA BASED ON APPLICATION

6.2.1 ASSUMPTIONS

6.2.2 RESEARCH METHODOLOGY

6.3 HVAC

6.3.1 DEVELOPMENTS IN RAILWAYS TO ENHANCE PASSENGER COMFORT
WILL DRIVE THIS SEGMENT

TABLE 19 RAILWAY WIRING HARNESS MARKET IN HVAC SYSTEMS, BY REGION,
2016–2020 (USD MILLION)

TABLE 20 RAILWAY WIRING HARNESS MARKET IN HVAC SYSTEMS, BY REGION,
2021–2026 (USD MILLION)

6.4 LIGHTING

6.4.1 ERROR-FREE ELECTRICAL LIGHTINGS AND HARNESS DESIGN IS
DRIVING THE SEGMENT

TABLE 21 RAILWAY WIRING HARNESS MARKET IN LIGHTING, BY REGION,
2016–2020 (USD MILLION)

TABLE 22 RAILWAY WIRING HARNESS MARKET IN LIGHTING, BY REGION,
2021–2026 (USD MILLION)

6.5 BRAKES

6.5.1 ADOPTION OF ELECTRONICALLY CONTROLLED PNEUMATIC (ECP)
BRAKE SYSTEMS IS DRIVING THE SEGMENT

TABLE 23 RAILWAY WIRING HARNESS MARKET IN BRAKES, BY REGION,
2016–2020 (USD MILLION)

TABLE 24 RAILWAY WIRING HARNESS MARKET IN BRAKES, BY REGION,
2021–2026 (USD MILLION)

6.6 TRACTION SYSTEM

6.6.1 GROWING HIGH-SPEED LINES THAT NEED ELECTRIC TRACTION IS
DRIVING THE SEGMENT

TABLE 25 RAILWAY WIRING HARNESS MARKET IN TRACTION SYSTEM, BY
REGION, 2016–2020 (USD MILLION)

TABLE 26 RAILWAY WIRING HARNESS MARKET IN TRACTION SYSTEM, BY
REGION, 2021–2026 (USD MILLION)

6.7 ENGINE

6.7.1 GROWING DEMAND FOR DIESEL LOCOMOTIVES TO TRANSPORT
FREIGHT IS DRIVING THE SEGMENT

TABLE 27 RAILWAY WIRING HARNESS MARKET IN ENGINE, BY REGION,

2016–2020 (USD MILLION)

TABLE 28 RAILWAY WIRING HARNESS MARKET IN ENGINE, BY REGION,
2021–2026 (USD MILLION)

6.8 INFOTAINMENT

6.8.1 GROWING DEMAND FOR REAL-TIME INFORMATION IS DRIVING THE
SEGMENT

TABLE 29 RAILWAY WIRING HARNESS MARKET IN INFOTAINMENT, BY REGION,
2016–2020 (USD MILLION)

TABLE 30 RAILWAY WIRING HARNESS MARKET IN INFOTAINMENT, BY REGION,
2021–2026 (USD MILLION)

6.9 OTHERS

6.9.1 ADVANCED LIGHTING TECHNOLOGIES IS GAINING IMPORTANCE HENCE
DRIVING THE SEGMENT

TABLE 31 RAILWAY WIRING HARNESS MARKET IN OTHER APPLICATIONS, BY
REGION, 2016–2020 (USD MILLION)

TABLE 32 RAILWAY WIRING HARNESS MARKET IN OTHER APPLICATIONS, BY
REGION, 2021–2026 (USD MILLION)

6.10 KEY PRIMARY INSIGHTS

FIGURE 34 KEY PRIMARY INSIGHTS

7 RAILWAY WIRING HARNESS MARKET, BY CABLE TYPE

7.1 INTRODUCTION

FIGURE 35 RAILWAY WIRING HARNESS MARKET, BY CABLE TYPE, 2021 VS.
2026 (USD MILLION)

TABLE 33 RAILWAY WIRING HARNESS MARKET, BY CABLE TYPE, 2016–2020
(USD MILLION)

TABLE 34 RAILWAY WIRING HARNESS MARKET, BY CABLE TYPE, 2021–2026
(USD MILLION)

7.2 OPERATIONAL DATA

TABLE 35 CABLE TYPES OF RAILWAY WIRING HARNESS, BY COMPANY AND
MODEL

7.2.1 ASSUMPTIONS

7.2.2 RESEARCH METHODOLOGY

7.3 POWER CABLE

7.3.1 INCREASED DEMAND FOR PHONE CHARGING POINTS AND HVAC
SYSTEM IS DRIVING THIS SEGMENT

TABLE 36 POWER CABLE: RAILWAY WIRING HARNESS MARKET, BY REGION,
2016–2020 (USD MILLION)

TABLE 37 POWER CABLE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

7.4 TRANSMISSION CABLE

7.4.1 COVERING A WIDE RANGE OF CONTROLLING COMMAND AND SIGNALING COMPONENTS DRIVES THE GROWTH OF THE SEGMENT

TABLE 38 TRANSMISSION CABLE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 39 TRANSMISSION CABLE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

7.5 JUMPER CABLE

7.5.1 THE INCREASING DEMAND FOR HVAC AND COMMUNICATION SYSTEMS FOR PASSENGERS IS DRIVING THE SEGMENT

TABLE 40 JUMPER CABLE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 41 JUMPER CABLE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

7.6 OTHERS

7.6.1 DIGITALIZATION OF RAILWAYS IS EXPECTED TO DRIVE THIS SEGMENT

TABLE 42 OTHERS: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 43 OTHERS: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

7.7 KEY PRIMARY INSIGHTS

FIGURE 36 KEY PRIMARY INSIGHTS

8 RAILWAY WIRING HARNESS MARKET, BY COMPONENT

8.1 INTRODUCTION

FIGURE 37 RAILWAY WIRING HARNESS MARKET, BY COMPONENT, 2021 VS. 2026 (USD MILLION)

TABLE 44 RAILWAY WIRING HARNESS MARKET, BY COMPONENT, 2016–2020 (USD MILLION)

TABLE 45 RAILWAY WIRING HARNESS MARKET, BY COMPONENT, 2021–2026 (USD MILLION)

8.2 OPERATIONAL DATA

8.2.1 AUTOMATED RAILWAY NETWORK

TABLE 46 AUTOMATED RAILWAY NETWORK

8.2.2 ASSUMPTIONS

8.2.3 RESEARCH METHODOLOGY

8.3 WIRE

8.3.1 INCREASED INVESTMENTS TO INTRODUCE ADVANCED TECHNOLOGIES IN TRAINS IS DRIVING THIS SEGMENT

TABLE 47 WIRE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 48 WIRE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

8.4 CONNECTOR

8.4.1 INCREASING ADOPTION OF ADVANCED FEATURES TO IMPROVE THE SAFETY & COMFORT IS DRIVING THE SEGMENT

TABLE 49 CONNECTOR: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 50 CONNECTOR: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

8.5 TERMINAL

8.5.1 TECHNOLOGICAL ADVANCED ROLLING STOCKS FUELING THE GROWTH OF THE SEGMENT

TABLE 51 TERMINAL: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 52 TERMINAL: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

8.6 OTHERS

8.6.1 OTHER COMPONENTS PLAY A CRUCIAL ROLE IN THE ARCHITECTURAL DESIGNING OF THE WIRING HARNESS

TABLE 53 OTHER COMPONENTS: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 54 OTHER COMPONENTS: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

9 RAILWAY WIRING HARNESS MARKET, BY MATERIAL

9.1 INTRODUCTION

FIGURE 38 RAILWAY WIRING HARNESS MARKET, BY MATERIAL, 2021 VS. 2026 (USD MILLION)

FIGURE 39 RAILWAY WIRING HARNESS MARKET, BY MATERIAL, 2021 VS. 2026 (USD MILLION)

TABLE 55 RAILWAY WIRING HARNESS MARKET SIZE, BY MATERIAL, 2016–2020 (USD MILLION)

TABLE 56 RAILWAY WIRING HARNESS MARKET SIZE, BY MATERIAL, 2021–2026

(USD MILLION)

9.2 OPERATIONAL DATA

TABLE 57 MATERIAL TYPES USED IN RAILWAY WIRING HARNESS, BY COMPANY AND MODEL

9.2.1 ASSUMPTIONS

9.2.2 RESEARCH METHODOLOGY

9.3 COPPER

9.3.1 HIGH STRENGTH AND CONDUCTIVITY OF COPPER DRIVES THE GROWTH OF THIS SEGMENT

TABLE 58 COPPER IN RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 59 COPPER IN RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

9.4 ALUMINUM

9.4.1 DUCTILITY, DURABILITY, AND CORROSION-RESISTANT PROPERTIES ARE EXPECTED TO DRIVE THIS SEGMENT

TABLE 60 ALUMINUM IN RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 61 ALUMINUM IN RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

9.5 OTHERS

9.5.1 MIXING COMPOSITION OF MATERIALS PROVIDE BEST-IN-CLASS WIRING SYSTEMS

TABLE 62 OTHER MATERIALS IN RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 63 OTHER MATERIALS IN RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

9.6 KEY INDUSTRY INSIGHTS

10 RAILWAY WIRING HARNESS MARKET, BY TRAIN TYPE

10.1 INTRODUCTION

FIGURE 40 METRO/MONORAIL SEGMENT EXPECTED TO DOMINATE THE RAILWAY WIRING HARNESS MARKET DURING FORECAST PERIOD

TABLE 64 RAILWAY WIRING HARNESS MARKET, BY TRAIN TYPE, 2016–2020 (USD MILLION)

TABLE 65 RAILWAY WIRING HARNESS MARKET, BY TRAIN TYPE, 2021–2026 (USD MILLION)

10.2 OPERATIONAL DATA

TABLE 66 PROPOSED RAPID TRANSIT PROJECTS IN ASIA PACIFIC**10.2.1 ASSUMPTIONS****TABLE 67 ASSUMPTIONS: BY TRAIN TYPE****10.3 RESEARCH METHODOLOGY****10.4 METRO/MONORAIL**

10.4.1 DEVELOPMENTS IN RAILWAY INFRASTRUCTURE AND GOVERNMENT SUPPORT ARE DRIVING THIS SEGMENT

TABLE 68 METRO/MONORAIL: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)**TABLE 69 METRO/MONORAIL: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)****10.5 LIGHT RAIL**

10.5.1 THE EXTENSION OF THE LIGHT RAIL LINE IS EXPECTED TO INCREASE THE DEPLOYMENT OF WIRING HARNESS IN LIGHT RAILS

TABLE 70 LIGHT RAIL: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)**TABLE 71 LIGHT RAIL: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)****10.6 HIGH-SPEED RAIL/BULLET TRAIN**

10.6.1 ADVANCED DESIGN AND IMPLEMENTATION OF ENHANCED TECHNOLOGIES IN RAILWAY IS DRIVING THIS SEGMENT

TABLE 72 HIGH-SPEED RAIL/BULLET TRAIN: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)**TABLE 73 HIGH-SPEED RAIL/BULLET TRAIN: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)****10.7 KEY PRIMARY INSIGHTS****FIGURE 41 KEY PRIMARY INSIGHTS****11 RAILWAY WIRING HARNESS MARKET, BY VOLTAGE****11.1 INTRODUCTION****FIGURE 42 RAILWAY WIRING HARNESS MARKET, BY VOLTAGE, 2021 VS. 2026 (USD MILLION)****TABLE 74 RAILWAY WIRING HARNESS MARKET, BY VOLTAGE, 2016–2020 (USD MILLION)****TABLE 75 RAILWAY WIRING HARNESS MARKET, BY VOLTAGE, 2021–2026 (USD MILLION)****11.2 OPERATIONAL DATA****11.2.1 HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN EUROPE**

TABLE 76 HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN EUROPE REGION**11.2.2 ASSUMPTIONS****TABLE 77 ASSUMPTIONS: BY VOLTAGE****11.3 RESEARCH METHODOLOGY****11.4 LOW VOLTAGE****11.4.1 INCREASED INSTALLATION OF LOW VOLTAGE ELECTRONIC SYSTEMS IN TRAINS WILL DRIVE THIS SEGMENT****TABLE 78 LOW VOLTAGE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)****TABLE 79 LOW VOLTAGE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)****11.5 MEDIUM VOLTAGE****11.5.1 FOCUS OF RAIL OPERATORS TO MANAGE AIRFLOW IN TRAINS FOR KEEPING PASSENGERS COMFORTABLE AND SAFE IS DRIVING THE SEGMENT**
TABLE 80 MEDIUM VOLTAGE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)**TABLE 81 MEDIUM VOLTAGE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)****11.6 HIGH VOLTAGE****11.6.1 GROWING USE OF ELECTRIC TRACTION SYSTEMS IS DRIVING THE SEGMENT****TABLE 82 HIGH VOLTAGE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)****TABLE 83 HIGH VOLTAGE: RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)****11.7 KEY PRIMARY INSIGHTS****FIGURE 43 KEY PRIMARY INSIGHTS****12 RAILWAY WIRING HARNESS MARKET, BY WIRE LENGTH****12.1 INTRODUCTION****12.1.1 ASSUMPTIONS****12.1.2 RESEARCH METHODOLOGY****12.2 OPERATIONAL DATA****12.2.1 LIGHT RAIL PROJECTS IN ASIA PACIFIC****TABLE 84 LIGHT RAIL PROJECTS IN ASIA PACIFIC REGION****FIGURE 44 RAILWAY WIRING HARNESS MARKET, BY WIRE LENGTH, 2021 VS. 2026 (USD MILLION)****TABLE 85 RAILWAY WIRING HARNESS MARKET, BY WIRE LENGTH, 2016–2020**

(USD MILLION)

TABLE 86 RAILWAY WIRING HARNESS MARKET, BY WIRE LENGTH, 2021–2026

(USD MILLION)

12.3 KEY PRIMARY INSIGHTS

FIGURE 45 KEY PRIMARY INSIGHTS

13 RAILWAY WIRING HARNESS MARKET, BY END USE

13.1 INTRODUCTION

13.2 OPERATIONAL DATA

13.2.1 HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN ASIA PACIFIC

TABLE 87 LIGHT RAIL PROJECTS IN ASIA PACIFIC

13.3 OEM

13.3.1 INCREASING DEMAND FOR HIGH-END CONNECTED TRAINS IS DRIVING THE SEGMENT

13.4 AFTERMARKET

13.4.1 INCREASING DEMAND FOR RAILWAY WIRING HARNESS MAINTAINANCE, REPAIR & OVERHAUL DRIVES THIS SEGMENT

14 RAILWAY WIRING HARNESS MARKET, BY REGION

14.1 INTRODUCTION

FIGURE 46 RAILWAY WIRING HARNESS MARKET, BY REGION, 2021 VS. 2026
(USD MILLION)

TABLE 88 RAILWAY WIRING HARNESS MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 89 RAILWAY WIRING HARNESS MARKET, BY REGION, 2021–2026 (USD MILLION)

14.2 ASIA PACIFIC

14.2.1 RAPID TRANSIT PROJECTS IN ASIA PACIFIC

TABLE 90 RAPID TRANSIT PROJECTS IN ASIA PACIFIC

14.2.2 UPCOMING LIGHT RAIL PROJECTS IN ASIA PACIFIC

TABLE 91 PROPOSED LIGHT RAIL PROJECTS IN ASIA PACIFIC

14.2.3 UPCOMING HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN ASIA PACIFIC

TABLE 92 PROPOSED LIGHT RAIL PROJECTS IN ASIA PACIFIC

FIGURE 47 ASIA PACIFIC: RAILWAY WIRING HARNESS MARKET SNAPSHOT

TABLE 93 ASIA PACIFIC: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2016–2020 (USD MILLION)

TABLE 94 ASIA PACIFIC: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2021–2026 (USD MILLION)**14.2.4 CHINA**

14.2.4.1 Developments in the expansions of subways/metros and rail networks are driving the market

14.2.5 INDIA

14.2.5.1 Government focus on the expansion of the electrified network is expected to boost the market

14.2.6 JAPAN

14.2.6.1 Government investments in the railway sector are expected to boost the growth of the market

14.2.7 SOUTH KOREA

14.2.7.1 Replacement of diesel locomotives with carbon-free locomotives will drive the market

14.2.8 REST OF ASIA PACIFIC

14.2.8.1 High-speed train projects expected to drive the market

14.3 EUROPE**14.3.1 METRO/MONORAIL PROJECTS IN EUROPE****TABLE 95 METRO/MONORAIL PROJECTS IN EUROPE****14.3.2 HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN EUROPE****TABLE 96 HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN EUROPE****14.3.3 RAPID TRANSIT PROJECTS IN EUROPE****TABLE 97 RAPID TRANSIT PROJECTS IN EUROPE****TABLE 98 EUROPE: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2016–2020 (USD MILLION)****TABLE 99 EUROPE: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2021–2026 (USD MILLION)****FIGURE 48 EUROPE: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2021 VS. 2026 (USD MILLION)****14.3.4 FRANCE**

14.3.4.1 Growing high-speed rail line is driving the market

14.3.5 GERMANY

14.3.5.1 Railway network expansion is expected to drive the market in Germany

14.3.6 SPAIN

14.3.6.1 Expansion of metro lines in the country projected to drive the market

14.3.7 UK

14.3.7.1 Increased investments for rail infrastructure expected to drive the market

14.4 NORTH AMERICA**14.4.1 METRO/MONORAIL PROJECTS IN NORTH AMERICA**

TABLE 100 METRO/MONORAIL PROJECTS IN NORTH AMERICA

14.4.2 HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN NORTH AMERICA

TABLE 101 HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN NORTH AMERICA

14.4.3 RAPID TRANSIT PROJECTS IN NORTH AMERICA

TABLE 102 RAPID TRANSIT PROJECTS IN NORTH AMERICA

FIGURE 49 NORTH AMERICA: RAILWAY WIRING HARNESS MARKET SNAPSHOT

TABLE 103 NORTH AMERICA: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2016–2020 (USD MILLION)

TABLE 104 NORTH AMERICA: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2021–2026 (USD MILLION)

14.4.4 US

14.4.4.1 Introduction of private high-speed lines to drive the market

14.4.5 CANADA

14.4.5.1 Investments by the government in the rail network expected to drive the market

14.4.6 MEXICO

14.4.6.1 Aim for green public transport by 2040 expected to drive the market

14.5 MIDDLE EAST & AFRICA (MEA)

14.5.1 METRO/MONORAIL PROJECTS IN THE MIDDLE EAST & AFRICA

TABLE 105 METRO/MONORAIL PROJECTS IN THE MIDDLE EAST & AFRICA

14.5.2 RAPID TRANSIT PROJECTS IN THE MIDDLE EAST & AFRICA

TABLE 106 RAPID TRANSIT PROJECTS IN THE MIDDLE EAST & AFRICA

TABLE 107 MEA: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2016–2020 (USD MILLION)

TABLE 108 MEA: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2021–2026 (USD MILLION)

14.5.3 UAE

14.5.3.1 Development projects related to rail infrastructure expected to drive the market

14.5.4 EGYPT

14.5.4.1 Increase in rail investments in the country and the demand for locomotives to drive the market

14.5.5 OTHERS

14.5.5.1 Government initiatives to develop railway infrastructure expected to drive the market

14.5.6 REST OF THE WORLD

TABLE 109 ROW: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2016–2020 (USD MILLION)

TABLE 110 ROW: RAILWAY WIRING HARNESS MARKET, BY COUNTRY,

2021–2026 (USD MILLION)

FIGURE 50 ROW: RAILWAY WIRING HARNESS MARKET, BY COUNTRY, 2021 VS. 2026 (USD MILLION)

14.5.7 BRAZIL

14.5.7.1 Increased metro projects projected to drive the market in this country

14.5.8 RUSSIA

14.5.8.1 Phasing out of carriages for long-haul distance trains is expected to drive the aftermarket

15 COMPETITIVE LANDSCAPE

15.1 OVERVIEW

FIGURE 51 KEY DEVELOPMENTS BY LEADING PLAYERS, 2017–2021

15.2 MARKET SHARE ANALYSIS FOR RAILWAY WIRING HARNESS MARKET

TABLE 111 MARKET SHARE ANALYSIS, 2020

FIGURE 52 MARKET SHARE ANALYSIS, 2020

15.3 REVENUE ANALYSIS OF TOP LISTED/PUBLIC PLAYERS

FIGURE 53 TOP PUBLIC/LISTED PLAYERS DOMINATING THE RAILWAY WIRING HARNESS MARKET IN LAST 5 YEARS

15.3.1 NEW PRODUCT LAUNCHES

TABLE 112 PRODUCTS LAUNCHES, 2017–2021

15.3.2 DEALS

TABLE 113 DEALS, 2017–2021

15.3.3 OTHERS

TABLE 114 OTHERS, 2016-2021

15.4 COMPETITIVE LEADERSHIP MAPPING

15.4.1 STARS

15.4.2 EMERGING LEADERS

15.4.3 PERVASIVE

15.4.4 PARTICIPANTS

FIGURE 54 RAILWAY WIRING HARNESS MARKET: COMPETITIVE LEADERSHIP MAPPING, 2021

TABLE 115 RAILWAY WIRING HARNESS MARKET: COMPANY FOOTPRINT, 2021

TABLE 116 RAILWAY WIRING HARNESS MARKET: COMPANY CABLE TYPE FOOTPRINT, 2021

15.4.5 RAILWAY WIRING HARNESS MARKET: REGIONAL FOOTPRINT, 2021

15.5 SME COMPETITIVE LEADERSHIP MAPPING

15.5.1 PROGRESSIVE COMPANIES

15.5.2 RESPONSIVE COMPANIES

15.5.3 DYNAMIC COMPANIES

15.5.4 STARTING BLOCKS

FIGURE 55 SME RAILWAY WIRING HARNESS MARKET: COMPETITIVE LEADERSHIP MAPPING, 2021

15.6 WINNERS VS. TAIL-ENDERS

TABLE 117 WINNERS VS. TAIL-ENDERS

16 COMPANY PROFILES

16.1 KEY PLAYERS

(Business overview, Products offered, Recent Developments, SWOT analysis, MNM view)*

16.1.1 LEONI

TABLE 118 LEONI: BUSINESS OVERVIEW

TABLE 119 LEONI: KEY FIGURES

FIGURE 56 LEONI: COMPANY SNAPSHOT

TABLE 120 LEONI: NEW PRODUCT LAUNCHES

TABLE 121 LEONI: DEALS

TABLE 122 LEONI: OTHERS

16.1.2 HITACHI LTD.

TABLE 123 HITACHI LTD.: BUSINESS OVERVIEW

FIGURE 57 HITACHI LTD.: COMPANY SNAPSHOT

FIGURE 58 HITACHI LTD.: RAILWAY SYSTEM BUSINESS UNIT REVENUE PERCENTAGE BREAKUP

TABLE 124 HITACHI LTD.: NEW PRODUCT LAUNCHES

TABLE 125 HITACHI LTD.: DEALS

16.1.3 NEXANS

TABLE 126 NEXANS: BUSINESS OVERVIEW

TABLE 127 NEXANS: REVENUE BY BUSINESS SEGMENT

FIGURE 59 NEXANS: COMPANY SNAPSHOT

TABLE 128 NEXANS: DEALS

TABLE 129 NEXANS: OTHERS

16.1.4 TE CONNECTIVITY

TABLE 130 TE CONNECTIVITY: BUSINESS OVERVIEW

TABLE 131 TE CONNECTIVITY: NET SALES BY BUSINESS SEGMENT AS A PERCENTAGE OF TOTAL NET SALES

TABLE 132 TE CONNECTIVITY: NET SALES BY BUSINESS SEGMENT IN USD MILLION

TABLE 133 TE CONNECTIVITY: NET SALES BY REGION AS A PERCENTAGE OF

TOTAL NET SALES**FIGURE 60 TE CONNECTIVITY: COMPANY SNAPSHOT****TABLE 134 TE CONNECTIVITY: NEW PRODUCT LAUNCHES****TABLE 135 TE CONNECTIVITY: DEALS****TABLE 136 TE CONNECTIVITY: OTHERS****16.1.5 PRYSMIAN GROUP****FIGURE 61 PRYSMIAN GROUP: COMPANY SNAPSHOT****16.1.6 SAMVARDHANA MOTHERSON INTERNATIONAL LIMITED****TABLE 140 SAMVARDHANA MOTHERSON INTERNATIONAL LIMITED: BUSINESS OVERVIEW****FIGURE 62 SAMVARDHANA MOTHERSON INTERNATIONAL LIMITED: GLOBAL PRESENCE****FIGURE 63 SAMVARDHANA MOTHERSON INTERNATIONAL LIMITED: COMPANY SNAPSHOT****TABLE 141 SAMVARDHANA MOTHERSON INTERNATIONAL LIMITED: DEALS****16.1.7 FURUKAWA ELECTRIC CO., LTD.****TABLE 142 FURUKAWA ELECTRIC CO., LTD.: BUSINESS OVERVIEW****FIGURE 64 FURUKAWA ELECTRIC CO., LTD.: COMPANY SNAPSHOT****TABLE 143 FURUKAWA ELECTRIC CO., LTD.: NEW PRODUCT DEVELOPMENTS****TABLE 144 FURUKAWA ELECTRIC CO., LTD.: DEALS****TABLE 145 FURUKAWA ELECTRIC CO., LTD.: OTHERS****16.1.8 TAIHAN WIRE CO, LTD.****TABLE 146 TAIHAN WIRE CO, LTD.: BUSINESS OVERVIEW****FIGURE 65 TAIHAN WIRE CO, LTD.: GLOBAL PRESENCE****FIGURE 66 TAIHAN WIRE CO, LTD.: COMPANY SNAPSHOT****TABLE 147 TAIHAN WIRE CO, LTD.: DEALS****TABLE 148 TAIHAN WIRE CO, LTD.: OTHERS****16.1.9 LS CABLE & SYSTEM LTD****TABLE 149 LS CABLE & SYSTEM LTD.: BUSINESS OVERVIEW****FIGURE 67 LS CABLE & SYSTEM LTD.: COMPANY SNAPSHOT****TABLE 150 LS CABLE & SYSTEM LTD.: NEW PRODUCT LAUNCHES****TABLE 151 LS CABLE & SYSTEM LTD.: OTHERS****16.1.10 HUBER+SUHNER****FIGURE 68 HUBER+SUHNER: COMPANY SNAPSHOT****TABLE 152 HUBER+SUHNER: NEW PRODUCT LAUNCHES****TABLE 153 HUBER+SUHNER: DEALS****TABLE 154 HUBER+SUHNER: OTHERS****16.1.11 ELCOWIRE GROUP****TABLE 155 ELCOWIRE GROUP: BUSINESS OVERVIEW**

FIGURE 69 ELCOWIRE GROUP: COMPANY SNAPSHOT

TABLE 156 ELCOWIRE GROUP: NEW PRODUCT LAUNCHES

TABLE 157 ELCOWIRE GROUP: DEALS

*Details on Business overview, Products offered, Recent Developments, SWOT analysis, MNM view might not be captured in case of unlisted companies.

16.2 OTHER PLAYERS

16.2.1 KEI INDUSTRIES

16.2.2 CMI

16.2.3 GAON CABLE

16.2.4 JIANGNAN GROUP

16.2.5 HELUKABEL

16.2.6 AQ GROUP

16.2.7 TECNİKABEL

16.2.8 IEWC

16.2.9 GPC

16.2.10 DECA CABLES

16.2.11 MILRAIL

16.2.12 UMMC

16.2.13 ALVERN CABLES

16.2.14 ADVANCED TRANSIT MANUFACTURING AND FORTITUDE INDUSTRIES, INC.

17 APPENDIX

17.1 KEY INDUSTRY INSIGHTS

17.2 DISCUSSION GUIDE

17.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

17.4 AVAILABLE CUSTOMIZATIONS

17.5 RELATED REPORTS

17.6 AUTHOR DETAILS

I would like to order

Product name: Railway Wiring Harness Market by Application(HVAC, Lighting, Traction System, Infotainment), Material, Train (Metro/Monorail, Light Rail, HRS), Component (Wire, Connector), Voltage (High, Low), Cable, Wire length,End Use and Region - Global Forecast to 2026

Product link: <https://marketpublishers.com/r/RE0F69DC775EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/RE0F69DC775EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970