

Aircraft Wiring Harness Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Type (Wire Harness Terminal, Wire Harness Connector, and Others) and Material (PVC, Polyethylene, Polyurethane, Thermoplastic Elastomers, and Vinyl)

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Abstracts

The Aircraft Wiring Harness Market Forecast to 2030 – Market Size and Forecasts (2020-2030), Global and Regional Share, Trends, and Growth Opportunity Analysis Report Coverage – by Type (Wire Harness Terminal, Wire Harness Connector, and Others); Material (PVC, Polyethylene, Polyurethane, Thermoplastic Elastomers, and Vinyl)

The Aircraft Wiring Harness Market size is expected to reach US\$ 3.99 billion by 2030 from 2.36 billion in 2022, at an estimated CAGR of 6.8% from 2022 to 2030.

The Asia Pacific Aircraft Wiring Harness market is segmented into the China, Japan, South Korea, India, Australia, and Rest of Asia Pacific. The China is estimated to hold the largest Aircraft Wiring Harness market share during the forecast period. Asia Pacific has several Aircraft Wiring Harness market players seeking contacts from various aircraft manufacturers. SASMOS Interconnection Systems Limited (FE-SIL), a joint venture between SASMOS and Fokker Elmo, has been producing Electrical Wiring Interconnection Systems, including wire harnesses for P-8A and P-8I, for the aerospace industry. For instance, in November 2022, Boeing awarded the contract to SASMOS JV to supply over 6600 wiring harnesses for the upcoming 16 P-8A Poseidon aircraft. Several players across Japan are launching an aircraft wiring harness system. For

instance, in July 2022, Kawasaki Heavy Industries, Ltd. introduced the E3 series electrical control and wire harness design system and the DS-E3 product data management system (PDM) from Zuken Inc. for the electrical design of aircraft for the Japanese Ministry of Defense.

North America reported a 51.6% increase in air traffic in March 2023 compared to 2022. The capacity of carrying passengers surged by 34.0% during the mentioned period, which can be attributed to focus on adopting more aircraft in the region. Moreover, the expansion of the terminal building at Kelowna International Airport (YLW) in Canada is scheduled to start in the summer of 2023. The Kelowna City Council approved US\$ 90 million for the expansion.

Further, as of February 2023, the scope of airport development plans across the US was substantially expanding due to recent changes to federal funding programs. Chicago O'Hare International Airport, one of the busiest airports in the world, has revealed plans to expand for US\$ 7.1 billion. Its oldest passenger facility will be demolished, and a new terminal will be built. Another massive project was announced for the Sacramento International Airport. The various stages of this program are expected to cost US\$ 1.3 billion. A greater range of passenger services will be consolidated, and airport facilities will be expanded through six development projects. All these plans will be carried out through several construction phases from 2024 to 2027. Thus, the development of airport facilities is expected to propel the growth of the aircraft wiring harness market in the region.

Based on material, the Aircraft Wiring Harness market is segmented into PVC, Polyethylene, Polyurethane, Thermoplastic Elastomers, and Vinyl. Polyvinyl chloride is a thermoplastic material known for its versatility, and it is the most commonly used wire/cable material. PVC is popularly used for cable insulation and sheathing, as it is durable, UV resistant, and has good water and chemical resistance. Although other materials are gradually replacing it, PVC compounds are still the most widely used polymeric materials in the global cable industry. Several Aircraft Wiring Harness market companies offer PVC-composed wire harnesses for different applications

Based on type, the Aircraft Wiring Harness market is segmented into Wire Harness Terminal, Wire Harness Connector, and Others. Wire harness terminals are components where wires terminate or connect to other components. Like harness connectors, the type of terminal required depends on the intended application and insulation requirements. Non-insulated terminals are comparatively more cost-effective than insulated terminals when protection from temperature, humidity, or environmental

conditions is not required, while insulated terminals are more suitable for rough environments. Furthermore, quick disconnect and spade terminals are the most common terminals employed in aerospace applications that require rapid disconnect. Wire harness terminals are employed in the cockpit for controls, instrumentation, and communication systems. They are also used in cabin systems for passenger amenities and safety features. Hence, the growing aviation industry globally, coupled with a rise in the incorporation of electronic devices in the airline sector, is anticipated to boost the segment growth over the forecast period.

Safran SA, Latecoere SA, GKN Aerospace Services Ltd, Collins Aerospace, Samvardhana Motherson International Ltd, Aerospace Harness Manufacturing, Steinair Inc, Elimco Aerospace SLU, Heritage Aviation Pvt Ltd, and Interconnect Solutions Company LLC are among the key Aircraft Wiring Harness Market players that are profiled in this market study.

The overall Aircraft Wiring Harness Market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the Aircraft Wiring Harness Market size. The process also helps obtain an overview and forecast of the Aircraft Wiring Harness market with respect to all the market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the Aircraft Wiring Harness Market.

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