

Wire and Cable Compounds Market Growth Analysis - Forecast Trends and Outlook (2025-2034)

Market Report | 2025-07-14 | 161 pages | EMR Inc.

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Report description:

The global wire and cable compounds market attained a value of USD 15.40 Billion in 2024. The market is further expected to grow at a CAGR of 9.20% between 2025 and 2034, to reach a value of USD 37.13 Billion by 2034.

Key Trends in the Market

Wire and cable compounds refer to the insulating materials used to protect wires and cables and act as a filler for telecommunication, power transmission, and electrical and traction cables. These compounds offer high mechanical strength, excellent resistance to electricity, thermal resistance to low temperatures, and low toxicity.

- Wire and cable compounds are crucial in any structure, to stop the penetration of moisture, ensuring proper functioning of power transmission and telecommunication cables. Hence, the increasing construction activities across the emerging economies are key wire and cable compounds market trends.

- The increasing application of wire and cable compounds in the automotive sector is escalating the wire and cable compounds market demand. Anticipated increase in sale of alternative fuel vehicles for passenger and commercial purpose, is expected to bolster the market for wire and cable compounds.

- Heightened application of wire and cable compounds in the electrical and electronics and the anticipated increase in demand for consumer electronics and high-end appliances is likely to bolster the wire and cable compounds market growth.

Global Wire and Cable Compounds Market Segmentation

The EMR's report titled "Global Wire and Cable Compounds Market Report and Forecast 2025-2034" offers a detailed analysis of

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the market based on the following segments:

Market Breakup by Polymer Type

- Polyvinyl Chloride (PVC)
- Thermoplastic Elastomer (TPE)
- Thermoplastic Polyurethane (TPU)
- Thermoplastic Olefin (TPO)
- Others

Market Breakup by Product

- Fiber Optic Cable
- Coaxial Cable
- Others

Market Breakup by End User

- Automotive
- Construction
- Electrical and Electronics
- Healthcare
- Power
- Telecommunication
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Global Wire and Cable Compounds Market Share by Polymer Type

The polyvinyl chloride (PVC) segment, based on polymer type, accounts for a healthy share of the wire and cable compounds market. PVC is a highly preferred thermoplastic material which exhibits high durability, great versatility, strong insulation properties, and excellent resistance to abrasion, flame, and moisture. Apart from these, PVC also possesses unique characteristics such as resistance to UV, acids, oils, and alkalis, among others. In addition, easy processibility and recyclability of this material makes it ideal for sustainable wiring and cabling solutions, leading to a heightened growth of this segment.

Global Wire and Cable Compounds Market Share by Product

Based on product, fiber optic cables occupy a significant share of the wire and cable compounds market. Fiber optic cables offer greater bandwidth, deliver faster speeds, can be applied for longer distances, are extremely durable and reliable, are thin and flexible, and the total ownership cost is low. Hence, these advantages offered by fiber optic cables makes them ideal for various

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power-related projects. They allow less interference which adds to their security, propelling the demand for fiber optic cables.

Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the key players in the global wire and cable compounds market, covering their competitive landscape and latest developments like mergers, acquisitions, investments and expansion plans.

Cabot Corporation

Cabot Corporation is a leading specialty chemicals and performance materials company which serves crucial sectors such as transportation, infrastructure, environment, and consumer, among others. It was founded in 1882 and is currently headquartered in Massachusetts, United States.

Buss AG

Buss AG is a global compounding systems manufacturing company which has a core expertise in the field of application specific compounding solutions and a product portfolio which includes calendaring sheet, cable compound, masterbatch, performance compound, and engineered plastic. It was founded in 1901 and is headquartered in Basel-landschaft, Switzerland.

Other market players include DuPont de Nemours, Inc, Solvay S.A., Trelleborg AB, SCG Chemicals Public Company Limited, Exxon Mobil Corporation, Mitsubishi Chemical Corporation, Electric Cable Compounds, INC., and Melos GmbH, among others.

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