

Optical Ground Wire (OPGW) Market By Type (Loose Tube Structure, Tight Tube Structure) , By Material Type (Metallic, Non-metallic) By Application (Renewable Energy, Telecommunications, Energy and Utilities, Oil and Gas, Mining, Infrastructure, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

<https://marketpublishers.com/r/OA0D33269D89EN.html>

Date: August 2024

Pages: 270

Price: US\$ 2,601.00 (Single User License)

ID: OA0D33269D89EN

Abstracts

Optical Ground Wire (OPGW) Market

The optical ground wire (OPGW) market was valued at \$0.9 billion in 2023 and is projected to reach \$1.3 billion by 2033, growing at a CAGR of 4.7% from 2024 to 2033.

Optical ground wire (OPGW) is an overhead power line cable formed from iron- and titanium-based alloy. The cable is enclosed in steel and aluminum wires, which facilitate tower attachment to the ground. OPGW is a replacement for the traditional earth wires and serves to protect the high voltage phase wire on towers from lightning strikes. In addition, the wire is critical for data transmission from generating stations to load dispatch centers.

Expansion of the telecommunications infrastructure is a significant driver of the optical ground wire (OPGW) market. In addition, rise in the deployment of OPGW in renewable energy projects is augmenting the market development. The cable elevates the transmission capabilities of renewable energy, making it a critical component in solar and wind farms. A key trend acquiring traction in the optical ground wire (OPGW) market is the assimilation of OPGW technology with satellite networking. This consolidation facilitates the scalability of reliable communication infrastructure and

assists in grid integration into renewable energy infrastructure.

However, the replacement and retrofitting of OPGW is an intricate & expensive procedure, which hampers the market growth. Furthermore, volatility in the prices of raw materials associated with the manufacturing of OPGW leads to restrained market development. On the contrary, continuous expansion of telecommunication infrastructure owing to rise in adoption of the Internet of Things (IoT) devices is projected to open new avenues for the optical ground wire (OPGW) market. According to the “Perspectives from the Global Telecom Outlook” by PwC, the number of operating IoT devices is projected to upsurge from 16.4 billion in 2022 to 25.1 billion by 2027. This expansion is anticipated to boost the installation of OPGW in coming years.

Segment Review

The optical ground wire (OPGW) market is segmented into type, material type, application, and region. On the basis of type, the market is bifurcated into loose tube structure and tight tube structure. Depending on material type, it is divided into metallic and non-metallic. As per application, it is categorized into renewable energy, telecommunications, energy & utilities, oil & gas, mining, infrastructure, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of type, the loose tube structure segment is anticipated to be the highest shareholder during the forecast period.

Depending on material type, the non-metallic segment is projected to account for a high market share by 2033.

As per application, the energy & utilities segment is predicted to acquire a high stake in the market throughout the forecast period.

Region wise, Asia-Pacific is expected to be the highest revenue generator by 2033.

Competition Analysis

The leading players operating in the global optical ground wire (OPGW) market include Prysmian Group, ZTT International, Apar, Sterile Technologies, LS Cable & System, Tratos, NKT Cables, DeAngeli Prodotti S.r.l., Caledonian Cables Limited, and American

Wire Group. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, to strengthen their foothold in the competitive market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

Manufacturing Capacity

Upcoming/New Entrant by Regions

Technology Trend Analysis

Market share analysis of players by products/segments

New Product Development/ Product Matrix of Key Players

Regulatory Guidelines

Strategic Recommendations

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Expanded list for Company Profiles

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

List of customers/consumers/raw material suppliers- value chain analysis

Market share analysis of players at global/region/country level

SWOT Analysis

Key Market Segments

By Type

Loose Tube Structure

Tight Tube Structure

By Material Type

Metallic

Non-metallic

By Application

Renewable Energy

Telecommunications

Energy and Utilities

Oil and Gas

Mining

Infrastructure

Others

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

UAE

Rest of LAMEA

Key Market Players

Prysmian Group

ZTT International

Apar

Sterile Technologies

LS Cable & System

Tratos

NKT Cables

DeAngeli Prodotti s.r.l

Caledonian Cables Limited

American Wire Group

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
 - 1.4.1. Primary Research
 - 1.4.2. Secondary Research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
 - 3.2.1. Top Investment Pockets
 - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
 - 3.3.1. Bargaining Power of Suppliers
 - 3.3.2. Threat of New Entrants
 - 3.3.3. Threat of Substitutes
 - 3.3.4. Competitive Rivalry
 - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
 - 3.4.1. Drivers
 - 3.4.2. Restraints
 - 3.4.3. Opportunities

CHAPTER 4: OPTICAL GROUND WIRE (OPGW) MARKET, BY TYPE

- 4.1. Market Overview
 - 4.1.1 Market Size and Forecast, By Type
- 4.2. Loose Tube Structure
 - 4.2.1. Key Market Trends, Growth Factors and Opportunities

- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Tight Tube Structure
 - 4.3.1. Key Market Trends, Growth Factors and Opportunities
 - 4.3.2. Market Size and Forecast, By Region
 - 4.3.3. Market Share Analysis, By Country

CHAPTER 5: OPTICAL GROUND WIRE (OPGW) MARKET, BY MATERIAL TYPE

- 5.1. Market Overview
 - 5.1.1 Market Size and Forecast, By Material Type
- 5.2. Metallic
 - 5.2.1. Key Market Trends, Growth Factors and Opportunities
 - 5.2.2. Market Size and Forecast, By Region
 - 5.2.3. Market Share Analysis, By Country
- 5.3. Non-metallic
 - 5.3.1. Key Market Trends, Growth Factors and Opportunities
 - 5.3.2. Market Size and Forecast, By Region
 - 5.3.3. Market Share Analysis, By Country

CHAPTER 6: OPTICAL GROUND WIRE (OPGW) MARKET, BY APPLICATION

- 6.1. Market Overview
 - 6.1.1 Market Size and Forecast, By Application
- 6.2. Renewable Energy
 - 6.2.1. Key Market Trends, Growth Factors and Opportunities
 - 6.2.2. Market Size and Forecast, By Region
 - 6.2.3. Market Share Analysis, By Country
- 6.3. Telecommunications
 - 6.3.1. Key Market Trends, Growth Factors and Opportunities
 - 6.3.2. Market Size and Forecast, By Region
 - 6.3.3. Market Share Analysis, By Country
- 6.4. Energy And Utilities
 - 6.4.1. Key Market Trends, Growth Factors and Opportunities
 - 6.4.2. Market Size and Forecast, By Region
 - 6.4.3. Market Share Analysis, By Country
- 6.5. Oil And Gas
 - 6.5.1. Key Market Trends, Growth Factors and Opportunities
 - 6.5.2. Market Size and Forecast, By Region

6.5.3. Market Share Analysis, By Country

6.6. Mining

6.6.1. Key Market Trends, Growth Factors and Opportunities

6.6.2. Market Size and Forecast, By Region

6.6.3. Market Share Analysis, By Country

6.7. Infrastructure

6.7.1. Key Market Trends, Growth Factors and Opportunities

6.7.2. Market Size and Forecast, By Region

6.7.3. Market Share Analysis, By Country

6.8. Others

6.8.1. Key Market Trends, Growth Factors and Opportunities

6.8.2. Market Size and Forecast, By Region

6.8.3. Market Share Analysis, By Country

CHAPTER 7: OPTICAL GROUND WIRE (OPGW) MARKET, BY REGION

7.1. Market Overview

7.1.1 Market Size and Forecast, By Region

7.2. North America

7.2.1. Key Market Trends and Opportunities

7.2.2. Market Size and Forecast, By Type

7.2.3. Market Size and Forecast, By Material Type

7.2.4. Market Size and Forecast, By Application

7.2.5. Market Size and Forecast, By Country

7.2.6. U.S. Optical Ground Wire (OPGW) Market

7.2.6.1. Market Size and Forecast, By Type

7.2.6.2. Market Size and Forecast, By Material Type

7.2.6.3. Market Size and Forecast, By Application

7.2.7. Canada Optical Ground Wire (OPGW) Market

7.2.7.1. Market Size and Forecast, By Type

7.2.7.2. Market Size and Forecast, By Material Type

7.2.7.3. Market Size and Forecast, By Application

7.2.8. Mexico Optical Ground Wire (OPGW) Market

7.2.8.1. Market Size and Forecast, By Type

7.2.8.2. Market Size and Forecast, By Material Type

7.2.8.3. Market Size and Forecast, By Application

7.3. Europe

7.3.1. Key Market Trends and Opportunities

7.3.2. Market Size and Forecast, By Type

- 7.3.3. Market Size and Forecast, By Material Type
- 7.3.4. Market Size and Forecast, By Application
- 7.3.5. Market Size and Forecast, By Country
- 7.3.6. France Optical Ground Wire (OPGW) Market
 - 7.3.6.1. Market Size and Forecast, By Type
 - 7.3.6.2. Market Size and Forecast, By Material Type
 - 7.3.6.3. Market Size and Forecast, By Application
- 7.3.7. Germany Optical Ground Wire (OPGW) Market
 - 7.3.7.1. Market Size and Forecast, By Type
 - 7.3.7.2. Market Size and Forecast, By Material Type
 - 7.3.7.3. Market Size and Forecast, By Application
- 7.3.8. Italy Optical Ground Wire (OPGW) Market
 - 7.3.8.1. Market Size and Forecast, By Type
 - 7.3.8.2. Market Size and Forecast, By Material Type
 - 7.3.8.3. Market Size and Forecast, By Application
- 7.3.9. Spain Optical Ground Wire (OPGW) Market
 - 7.3.9.1. Market Size and Forecast, By Type
 - 7.3.9.2. Market Size and Forecast, By Material Type
 - 7.3.9.3. Market Size and Forecast, By Application
- 7.3.10. UK Optical Ground Wire (OPGW) Market
 - 7.3.10.1. Market Size and Forecast, By Type
 - 7.3.10.2. Market Size and Forecast, By Material Type
 - 7.3.10.3. Market Size and Forecast, By Application
- 7.3.11. Rest Of Europe Optical Ground Wire (OPGW) Market
 - 7.3.11.1. Market Size and Forecast, By Type
 - 7.3.11.2. Market Size and Forecast, By Material Type
 - 7.3.11.3. Market Size and Forecast, By Application
- 7.4. Asia-Pacific
 - 7.4.1. Key Market Trends and Opportunities
 - 7.4.2. Market Size and Forecast, By Type
 - 7.4.3. Market Size and Forecast, By Material Type
 - 7.4.4. Market Size and Forecast, By Application
 - 7.4.5. Market Size and Forecast, By Country
 - 7.4.6. China Optical Ground Wire (OPGW) Market
 - 7.4.6.1. Market Size and Forecast, By Type
 - 7.4.6.2. Market Size and Forecast, By Material Type
 - 7.4.6.3. Market Size and Forecast, By Application
 - 7.4.7. Japan Optical Ground Wire (OPGW) Market
 - 7.4.7.1. Market Size and Forecast, By Type

- 7.4.7.2. Market Size and Forecast, By Material Type
- 7.4.7.3. Market Size and Forecast, By Application
- 7.4.8. India Optical Ground Wire (OPGW) Market
 - 7.4.8.1. Market Size and Forecast, By Type
 - 7.4.8.2. Market Size and Forecast, By Material Type
 - 7.4.8.3. Market Size and Forecast, By Application
- 7.4.9. South Korea Optical Ground Wire (OPGW) Market
 - 7.4.9.1. Market Size and Forecast, By Type
 - 7.4.9.2. Market Size and Forecast, By Material Type
 - 7.4.9.3. Market Size and Forecast, By Application
- 7.4.10. Australia Optical Ground Wire (OPGW) Market
 - 7.4.10.1. Market Size and Forecast, By Type
 - 7.4.10.2. Market Size and Forecast, By Material Type
 - 7.4.10.3. Market Size and Forecast, By Application
- 7.4.11. Rest of Asia-Pacific Optical Ground Wire (OPGW) Market
 - 7.4.11.1. Market Size and Forecast, By Type
 - 7.4.11.2. Market Size and Forecast, By Material Type
 - 7.4.11.3. Market Size and Forecast, By Application
- 7.5. LAMEA
 - 7.5.1. Key Market Trends and Opportunities
 - 7.5.2. Market Size and Forecast, By Type
 - 7.5.3. Market Size and Forecast, By Material Type
 - 7.5.4. Market Size and Forecast, By Application
 - 7.5.5. Market Size and Forecast, By Country
 - 7.5.6. Brazil Optical Ground Wire (OPGW) Market
 - 7.5.6.1. Market Size and Forecast, By Type
 - 7.5.6.2. Market Size and Forecast, By Material Type
 - 7.5.6.3. Market Size and Forecast, By Application
 - 7.5.7. South Africa Optical Ground Wire (OPGW) Market
 - 7.5.7.1. Market Size and Forecast, By Type
 - 7.5.7.2. Market Size and Forecast, By Material Type
 - 7.5.7.3. Market Size and Forecast, By Application
 - 7.5.8. Saudi Arabia Optical Ground Wire (OPGW) Market
 - 7.5.8.1. Market Size and Forecast, By Type
 - 7.5.8.2. Market Size and Forecast, By Material Type
 - 7.5.8.3. Market Size and Forecast, By Application
 - 7.5.9. UAE Optical Ground Wire (OPGW) Market
 - 7.5.9.1. Market Size and Forecast, By Type
 - 7.5.9.2. Market Size and Forecast, By Material Type

- 7.5.9.3. Market Size and Forecast, By Application
- 7.5.10. Rest of LAMEA Optical Ground Wire (OPGW) Market
 - 7.5.10.1. Market Size and Forecast, By Type
 - 7.5.10.2. Market Size and Forecast, By Material Type
 - 7.5.10.3. Market Size and Forecast, By Application

CHAPTER 8: COMPETITIVE LANDSCAPE

- 8.1. Introduction
- 8.2. Top Winning Strategies
- 8.3. Product Mapping Of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Top Player Positioning, 2023

CHAPTER 9: COMPANY PROFILES

- 9.1. Prysmian Group
 - 9.1.1. Company Overview
 - 9.1.2. Key Executives
 - 9.1.3. Company Snapshot
 - 9.1.4. Operating Business Segments
 - 9.1.5. Product Portfolio
 - 9.1.6. Business Performance
 - 9.1.7. Key Strategic Moves and Developments
- 9.2. ZTT International
 - 9.2.1. Company Overview
 - 9.2.2. Key Executives
 - 9.2.3. Company Snapshot
 - 9.2.4. Operating Business Segments
 - 9.2.5. Product Portfolio
 - 9.2.6. Business Performance
 - 9.2.7. Key Strategic Moves and Developments
- 9.3. Apar
 - 9.3.1. Company Overview
 - 9.3.2. Key Executives
 - 9.3.3. Company Snapshot
 - 9.3.4. Operating Business Segments
 - 9.3.5. Product Portfolio

- 9.3.6. Business Performance
- 9.3.7. Key Strategic Moves and Developments
- 9.4. Sterile Technologies
 - 9.4.1. Company Overview
 - 9.4.2. Key Executives
 - 9.4.3. Company Snapshot
 - 9.4.4. Operating Business Segments
 - 9.4.5. Product Portfolio
 - 9.4.6. Business Performance
 - 9.4.7. Key Strategic Moves and Developments
- 9.5. LS Cable And System
 - 9.5.1. Company Overview
 - 9.5.2. Key Executives
 - 9.5.3. Company Snapshot
 - 9.5.4. Operating Business Segments
 - 9.5.5. Product Portfolio
 - 9.5.6. Business Performance
 - 9.5.7. Key Strategic Moves and Developments
- 9.6. Tratos
 - 9.6.1. Company Overview
 - 9.6.2. Key Executives
 - 9.6.3. Company Snapshot
 - 9.6.4. Operating Business Segments
 - 9.6.5. Product Portfolio
 - 9.6.6. Business Performance
 - 9.6.7. Key Strategic Moves and Developments
- 9.7. NKT Cables
 - 9.7.1. Company Overview
 - 9.7.2. Key Executives
 - 9.7.3. Company Snapshot
 - 9.7.4. Operating Business Segments
 - 9.7.5. Product Portfolio
 - 9.7.6. Business Performance
 - 9.7.7. Key Strategic Moves and Developments
- 9.8. DeAngeli Prodotti S.r.l.
 - 9.8.1. Company Overview
 - 9.8.2. Key Executives
 - 9.8.3. Company Snapshot
 - 9.8.4. Operating Business Segments

- 9.8.5. Product Portfolio
- 9.8.6. Business Performance
- 9.8.7. Key Strategic Moves and Developments
- 9.9. Caledonian Cables Limited
 - 9.9.1. Company Overview
 - 9.9.2. Key Executives
 - 9.9.3. Company Snapshot
 - 9.9.4. Operating Business Segments
 - 9.9.5. Product Portfolio
 - 9.9.6. Business Performance
 - 9.9.7. Key Strategic Moves and Developments
- 9.10. American Wire Group
 - 9.10.1. Company Overview
 - 9.10.2. Key Executives
 - 9.10.3. Company Snapshot
 - 9.10.4. Operating Business Segments
 - 9.10.5. Product Portfolio
 - 9.10.6. Business Performance
 - 9.10.7. Key Strategic Moves and Developments

I would like to order

Product name: Optical Ground Wire (OPGW) Market By Type (Loose Tube Structure, Tight Tube Structure) , By Material Type (Metallic, Non-metallic) By Application (Renewable Energy, Telecommunications, Energy and Utilities, Oil and Gas, Mining, Infrastructure, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Product link: <https://marketpublishers.com/r/OA0D33269D89EN.html>

Price: US\$ 2,601.00 (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/OA0D33269D89EN.html>