

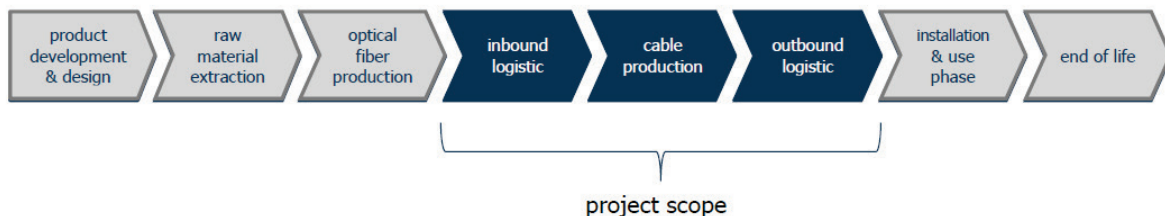
## Study commissioned by Europacable identifies key carbon emission sources and recommends action to reduce CO<sub>2</sub> emissions in optical fibre cable production

Brussels, 5<sup>th</sup> December 2025

Europacable, the voice of Europe's leading cable systems manufacturers, commissioned 'Steinbeis Transfer Centre Logistics and Supply Chain Management' to conduct a "Study on Sustainable Procurement and Supply Chain Management of Optical Fibre Cables". The objective of the study was to identify the key sources of carbon emissions during the production of Optical Fibre Cables (OFC) in Europe.

The Study found that the cable production process itself and inbound transport logistics account for most CO<sub>2</sub> emissions during the production process. From these findings, the Study develops five Recommended Actions seeking to reduce emissions in the future.

The Study offers a valuable contribution EU policy makers to define Green Public Procurement for sustainable optical fibre cable manufacturing in Europe. Europacable member companies are ready to follow these recommendations to contribute to achieving net-zero emissions by 2050 in line with EU decarbonisation goals.



The Study focuses on the inbound and outbound logistics and the manufacturing phase of OFCs, where Europacable members can effectively implement CO<sub>2</sub> reduction approaches.

### Key findings are:

1. **Production:** Production is responsible for 46% of total emissions, with extrusion processes contributing over 65%.
2. **Transportation:** Inbound transportation of raw materials accounts for 24% of emissions, due to global sourcing and reliance on air freight.

## Recommended Actions

The Study identifies five recommendations to reduce emissions during OFC production:

- 1. Energy Efficiency:** Invest in modern, energy-efficient production equipment and implement systems to reduce energy consumption.
- 2. Emission-Free Energy:** Transition to emission-free energy sources such as solar, wind, hydropower, or nuclear and expand in-house energy generation capabilities.
- 3. Local Sourcing:** Reduce transport emissions by sourcing raw materials regionally, thereby minimizing the carbon footprint associated with logistics.
- 4. Optimised Logistics:** Consolidate shipments and prioritize low-carbon transport options to further decrease emissions from transportation.
- 5. Circularity Measures:** Enhance recycling efforts for materials such as plastic granulates and reel drums, consider designing cable components for reuse or easy of recycling at end-of-life to promote a circular economy.

**Translating the above recommendations into Green Public Procurement Criteria will assist public authorities in and across Europe in procuring environmentally friendly cables while supporting European manufacturers in adopting sustainable production and logistics practices.**

**Europacable member companies are committed to achieving net-zero emissions by 2050. Sourcing optical fibre cables made in Europe for Europe will enhance the resilience of our continent, promote European cable manufacturing and minimise CO<sub>2</sub> emissions thanks to local production. Europacable member companies will be working both individually as well as through Europacable to follow the recommendations developed by this study.**

The study is available via the following link on the Europacable website.

[Study](#)

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## About Europacable

Europacable is the voice of Europe's leading wire and cable producers. High-quality, sustainable power and telecommunication cables, produced by our members in Europe, empower electrification and digitalisation of our societies. Founded in 1991, Europacable represents the largest cable makers in the world providing global technology leadership, as well as highly specialized small- and medium sized businesses from across Europe. With our future being ever more electrified and digitalised, cable technology will be the core backbone of Europe's energy and telecommunication infrastructures. Sustainable, low-carbon manufacturing and high-performance cables are essential to achieve Europe's climate neutrality objectives by 2050. Europacable is committed to the principles of free enterprise and fair trade. Our members employ over 80.000 people of which more than 50% in Europe, generating a worldwide turnover over €70 billion in 2024. Europacable is a member of EuroFSA, FEEDS, Orgalim, RGI, WindEurope and a partner of CENELEC and EUEW. Europacable is listed in the European Commission's Transparency Register under 453103789-92. [www.europacable.eu](http://www.europacable.eu)