

PRODUCT IMPACT REPORT

Cable USB C - USB C

# HIEDRA

Hune \*|\*



Having information is the primary tool that we, as users, possess to make conscious choices. We openly share data so that you can comprehend how and why we took each decision.

It has been proven that 80% of the environmental impact of a product can be prevented at the design stage. For this reason, at Hune we apply ecodesign strategies, ensuring that the impact of our products is minimized throughout their entire lifecycle. We choose the materials conscientiously: we analyze the specific needs of each product to find an alternative that offers us the same characteristics, but with less impact, constantly looking for a balance in all the decisions we make. We use post-consumer recycled plastics for its production, we eliminate unnecessary materials from our packaging and manufacture them with

renewable and controlled sources, we seek to have the lowest possible volume to distribute them efficiently and thus have a lower impact on the environment, we focus on designing considering its durability and recycling.

With such an ambitious challenge we will always have improvements to make. This is the best way that we have found within our reach today. We know that there is still a long way to go and there will always be screws to adjust... we are (im)perfectionists, and those are the things that make us lose sleep at night!

# Hune Hiedra

## CIRCULARITY

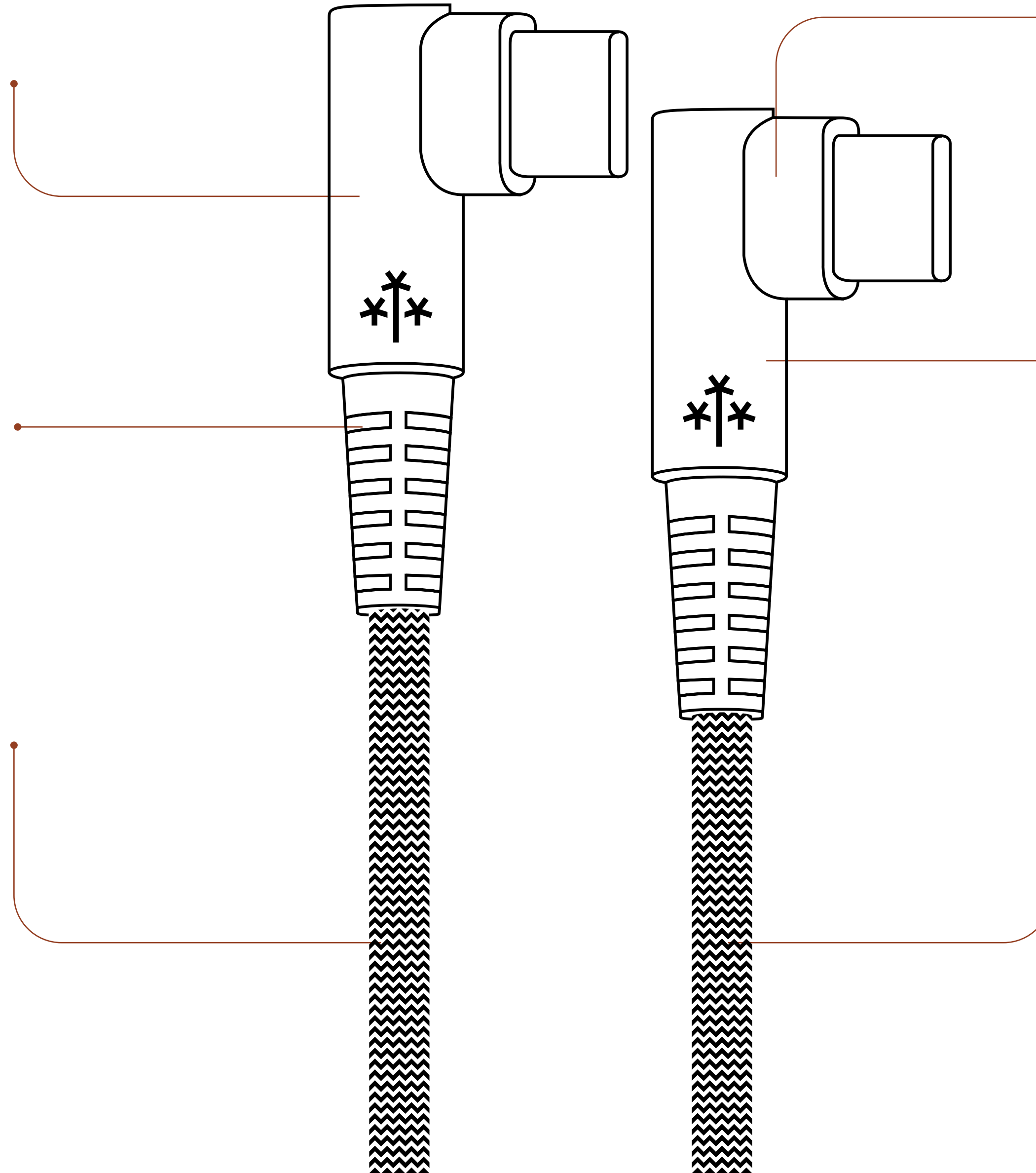
Use of recycled materials and recyclables. We are concerned about where the materials we use come from and what impact they have on their production, but also where they will end up once they reach their end of life.

## REDUCED TOXICITY

Reduction of materials with volatile organic compounds. We use materials with low toxicity certifications to protect human and environmental health.

## DURABILITY

The design of the cable was thought to prolong its useful life. To the outer mesh that provides greater resistance, a 90° connector was added that allows reconfiguring the tension point.



## DESIGN

With a modern and simple design, its materials reflect its main values: sustainability and robustness, for an aesthetically and functionally durable product.

## RESPONSIBLE SUPPLIERS

Our collaborators work under a code of conduct and in compliance with ethical conditions and social norms accepted by agreement in their production centers.

## OPTIMIZED END OF LIFE

We take care of developing a product with a high degree of recyclability, making it easier for the user and the local recycler to manage it correctly.

## AUDITS



We ensure the traceability of the origin of recycled plastics through the GRS and RCS certification in our suppliers.

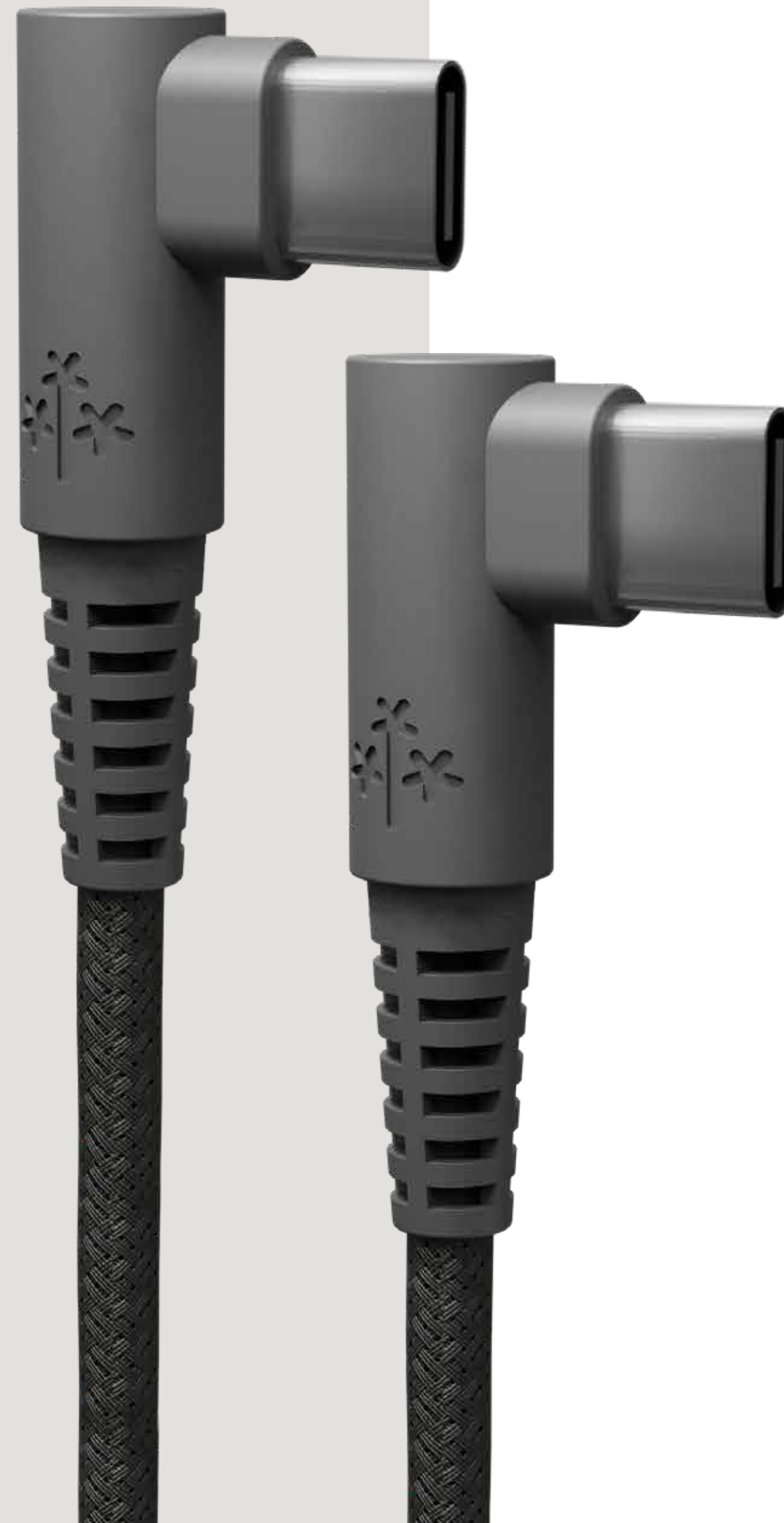


Socially responsible suppliers audited under the BSCI certification standard.



Certification of raw material of controlled origin in order to preserve sustainability and biological diversity.

# Components breakdown



RPET — 1.9 g of recycled PET

RTPE — 11 g of recycled TPE

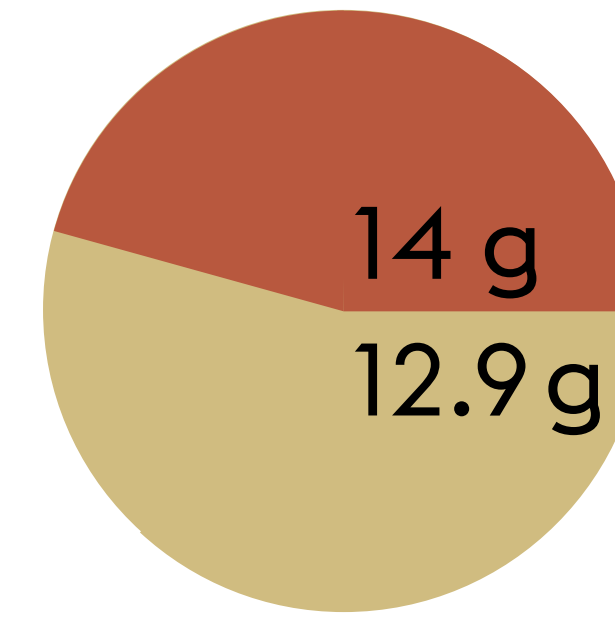
PET — 6.2 g

Copper — 6.2 g

Iron — 1.6 g

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Overall weight — 26.9 g



52% OTHER MATERIALS

48% RECYCLED MATERIALS

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# 12.9 g

The amount of plastic recovered and reintroduced into the chain for each product manufactured

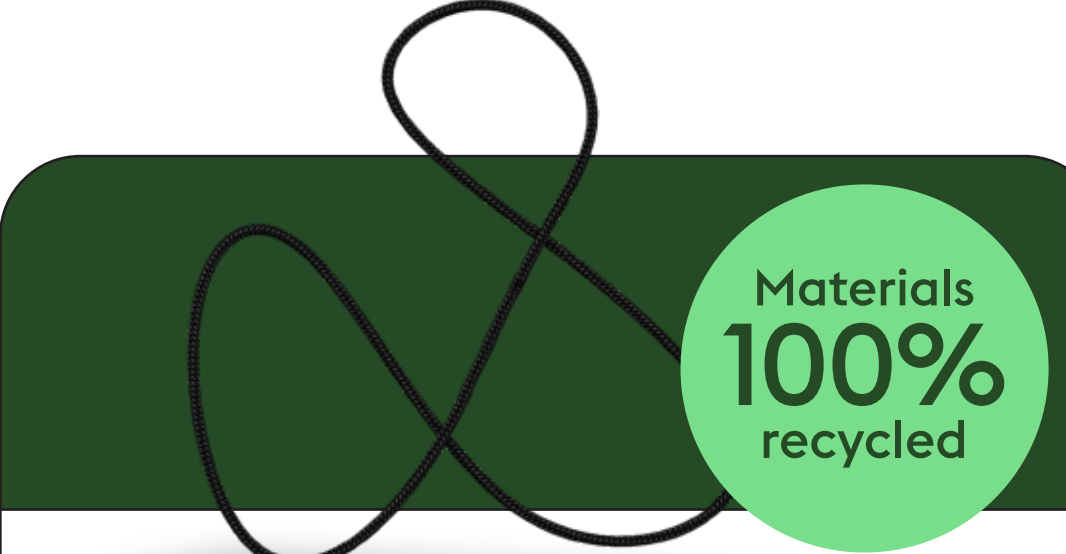
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# 100%

Post-consumer recycled plastic in cases and liners

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# Materials



## rPET

PET is the most recycled plastic material on the planet. Thanks to properties such as transparency, resistance, good barrier to oxygen and water vapor or its ability to be in contact with food, its use has been exacerbated, generating enormous amounts of waste that must be reintroduced into the chain. Using recycled PET we save energy and avoid further oil extraction, reducing GHG emissions.

MESH




## rTPE

rTPE is a thermoplastic elastomer of recycled origin, ideal for flexible components.

We chose to produce with recycled TPE as it has high durability, low toxicity, easy recycling and a reduced carbon footprint, making it a much more sustainable alternative to PVC, the plastic traditionally used to protect cables.


CASES + COATINGS



Inside you can find multiple materials that, thanks to proper management, can be recovered and reused. As we have said, unfortunately this cable will not last forever. Once you get rid of it, please do so by following the suggestions on our site, so that managers can find a new use for:

- Copper
- Coating of internal cables

INTERNAL COMPONENTS



## Carton

Our packaging, in addition to not having plastic, glue or varnishes and being printed with a minimized use of inks (of vegetable origin) is made of FSC cardboard, certified by the Stewardship Council AC, in charge of ensuring that the world's forests are managed environmentally correct and sustainable, socially beneficial and economically viable in the long term.

PACKAGING

# Carbon footprint

ABS for cases and rigid parts

PVC cables with PET mesh

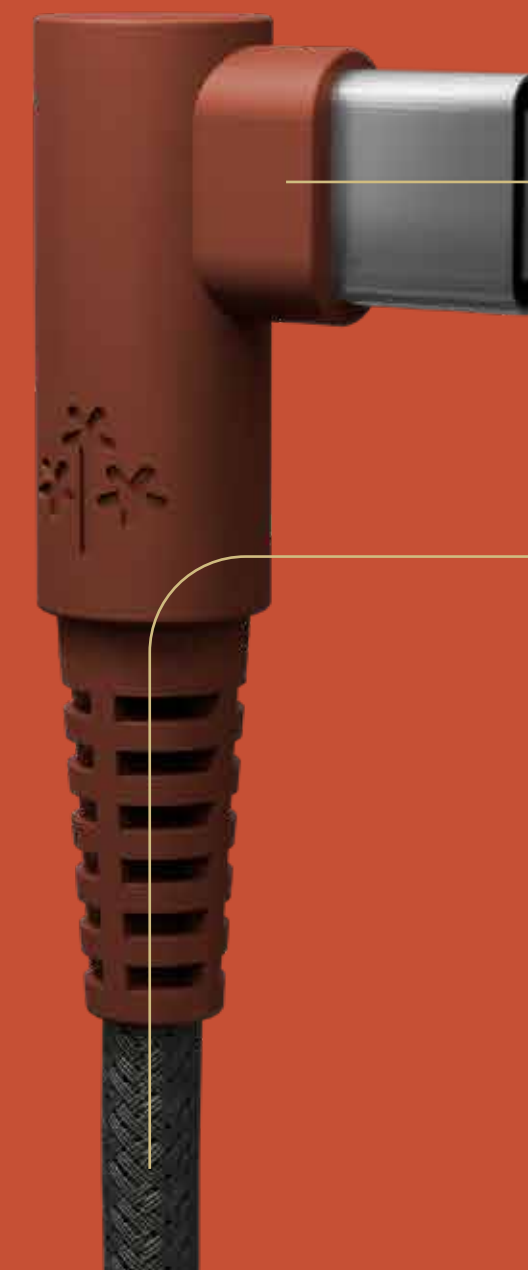
Cable connectors on the market are normally made of ABS, a good quality plastic but with a high carbon footprint. Meanwhile, the cable is usually made of PVC, a highly polluting material throughout its life cycle to the point of not having the capacity to be recycled and a mesh normally made of PET.

According to our calculations, the covering materials of a cable similar to ours but made of virgin ABS, PVC and PET suppose a footprint of 61.5 g/CO<sub>2</sub>eq. emitted into the atmosphere during its production.

In addition, these products do not usually have environmental certifications, so the origin and impact of these materials is usually not audited or measured.



61.5 g / CO<sub>2</sub>eq



9.8 g / CO<sub>2</sub>eq

84%  
LESS

According to our calculations, the environmental impact of producing the casing and covers in recycled plastic is almost 7 times less than doing it in virgin plastic.

• 100% recycled TPE in shell

• Cables in recycled TPE with mesh for greater resistance in recycled PET

The decision to produce casings and coverings in recycled plastic considerably reduces the CO<sub>2</sub> emitted into the atmosphere during its production. When producing the casing and external components of the cable, only 9.8 g of CO<sub>2</sub> associated with the materials are emitted, **generating an 84% lower impact compared to the standard cable.**

In addition to their recycled origin, the plastics used are, in turn, **100% recyclable.**

# Packaging

## OPTIMIZATION

We minimize the impact in the extraction of materials and in the distribution of the product, optimizing its palletizing and transport.



## FSC CARTON

Packaging from renewable sources and managed in an environmentally sustainable way by a responsible entity.

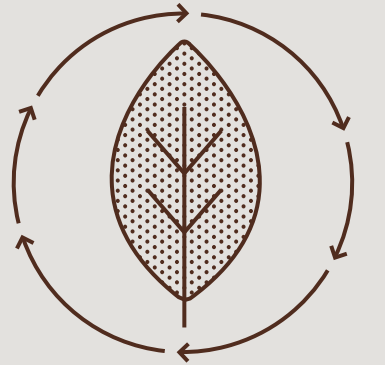
## PLASTIC FREE

Reducing the amount of single-use plastics is key to sustainability. In addition, the emissions generated in its production are lower.

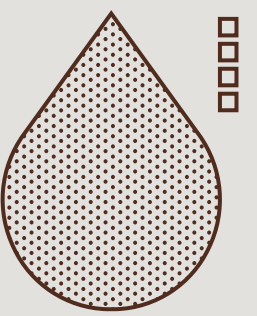
## SIMPLIFIED END OF LIFE

Making use of less raw material is not only beneficial during the production process but also simplifies the work when it comes to recycling it. Less is more.

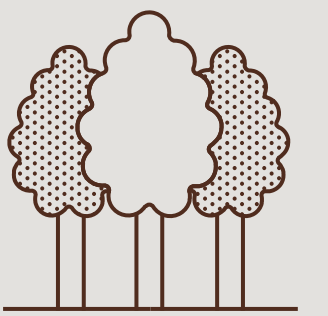
## DECISIONS WITH IMPACT



We replace the use of plastics with low-emission materials from renewable sources.

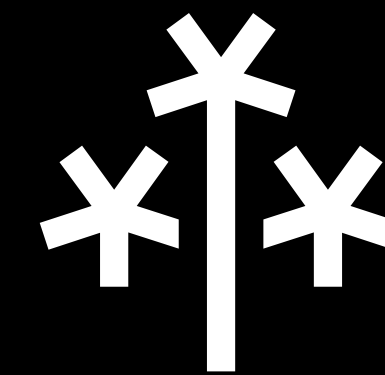


We eliminate varnishes and glues to reduce the number of chemicals and ensure good recyclability. In addition, we only print with vegetable inks.



The design of this packaging represents a reduction of 114 g of CO2 per box compared to one produced in PVC.

Information is power.  
Use it.



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