



Product Sheet

Madeira HC

Category: Embroidery thread

Madeira HC – Conductive embroidery thread for smart textiles and innovative applications

Do you want to integrate electronics and functionality directly into the fabric?

Madeira HC is a conductive embroidery thread developed for smart textiles, sensors and technical solutions where the embroidery becomes part of the functionality.

- Electrically conductive embroidery thread
- Perfect for smart textiles and textile circuits
- Can be embroidered on industrial embroidery machines

Product description

When embroidery becomes functional

Madeira HC is a highly conductive embroidery thread developed for technical applications where embroidery is not only decorative but also serves a functional purpose. The thread makes it possible to create conductive circuits directly within the fabric and is used in areas such as smart clothing, sensors and interactive products. By integrating functionality directly into the embroidery, traditional cables and components can, in some cases, be replaced by flexible textile solutions.

For the textile innovations of the future

HC is used in the development of smart textiles where electronics and textiles converge. The thread is flexible, soft and designed for industrial embroidery, making it suitable for both product development and mass production. It enables designers, product developers and researchers to create innovative solutions without compromising on the comfort and flexibility of the textile.

Perfect for:

- Smart textiles
- Textile circuits
- Sensors
- LED applications
- Heating functions
- Sports and health technology
- Medical textiles
- Interactive products and prototypes

High quality for professional production

Madeira HC has been developed for professional embroidery and can be used on industrial embroidery machines. The thread combines electrical conductivity with good flexibility, opening up entirely new possibilities within technical textiles and product development. For companies working with innovation, functional textiles and the textile solutions of the future, HC is the obvious choice. The thread is available in 12-count on 1,000-metre spools and in 40-count on 2,500-metre spools.