

Customized solutions for your ECG cables and leadwires

IDEA

We have a solution for you regardless of whether you are looking for a **standard or a custom product** that will revolutionise the market. Are you looking for a new product or one based on existing solutions? In both cases you can count on our **professional support**. The experience we have gained over the years allows us to meet custom requirements for cable and cable systems or ECG electrodes. Do you only have a photo of the product or a drawing of your idea? Or do you already have clearly defined technical requirements. No matter how developed your idea or concept, with our support you will soon be putting your plans and thoughts into practice. Contact us and together we will plan specific actions in the form of a roadmap.

DRAFT

At the initial stage of the process, you provide us with information which we use to create the first sketches and functional concepts of the product. Based on your guidelines and technical requirements, we define the boundary conditions and verify the technological capabilities necessary to implement the project.

DESIGN

At this stage, you're invited to evaluate and consult our proposed solutions. Together, we discuss possible changes in the project in order to fully tailor it to your needs; our top priority. To achieve this goal, we use modern design and measurement tools which allow us to adapt the product to your expectations. Taking into account functional and useful requirements, and following the guidelines in medical device standards, we give the product its final shape. The selection of materials takes place in consultation with you at the same time meeting the **REACH** and **RoHS** criteria.

PROTOTYPE

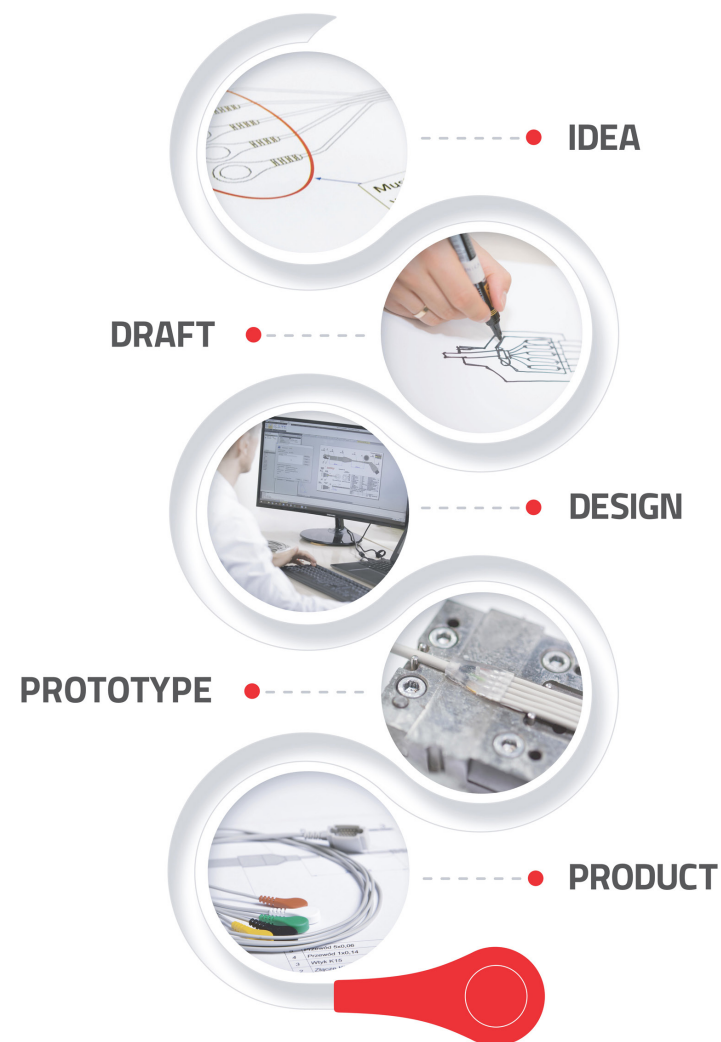
Before introducing the product into mass production, we create a prototype which is shared with you for verification. At this stage, you can ensure it meets your requirements by testing its function. The **modern technologies** we use give us the opportunity to implement unconventional solutions if required.

PRODUCT

At the last stage, we proceed to the production of the product based on a mutually agreed and accepted project. You can be sure of the **highest quality** of workmanship, because we rely on proven materials, advanced technologies, modern machinery and many years of experience, knowledge and teamwork. Ultimately, you receive a product that complies with your idea, requirements needs and expectations.

Your need Our solution

MEDICAL CABLES AND ECG ELECTRODES

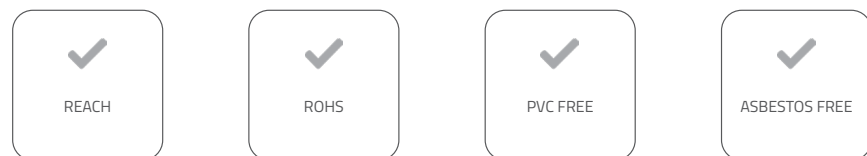


How to get in touch? Contact us via email at export@sorimex.eu



Medical cable construction and properties

ECG cables and leadwires transmit the electrical signal from patients to the ECG unit. They are used for **diagnostic and monitoring purposes**. The electronic signal, upon which the ECG recording is based, is heavily reliant on the quality and structure of the cables or leadwires. These cables are composed of flexible material and terminate in a suitable plug for the specific ECG device. At the patient's end, there might be a plug, clamp, or latch. Additionally, the cable could include extra electronic components such as resistors, chokes, and surge suppressors. The structure of the **cables and leadwires** is tailored to match particular devices or the bulk cable to which they will be connected. These cables and leadwires are used in conjunction with **disposable and reusable ECG electrodes** as well as ECG adaptors, which connect the cable termination with a banana plug to the disposable ECG electrode.



Precision and durability

- quality and durability of our products are a result of 35 years' experience

Safety

- the safe leadwire sockets prevent from unintentional plugging into the electricity source
- the isolated banana plugs ensure the safety of the patient
- the additional surge suppressor protects the cable and the apparatus during defibrillation and prevents the patient from being electrocuted

Convenience

- flexible, elastic and light cables ensure the patients' greater comfort
- clips prevent entangling, thus simplify using
- readable label placed on cable connector show correct location of each lead



- 1 Built-in resistors prevent the cable and the apparatus from damage**
- 2 Color-marked plugs, clamp and latch allow for easy identification**
- 3 Made only of materials approved for contact with the skin of the patient**
- 4 Pins in the plugs are gold-plated which ensure constant voltage**
- 5 Shielded cables made of low noise materials**
- 6 Flat surface makes cleaning easy**