

Cable solutions for
demanding applications

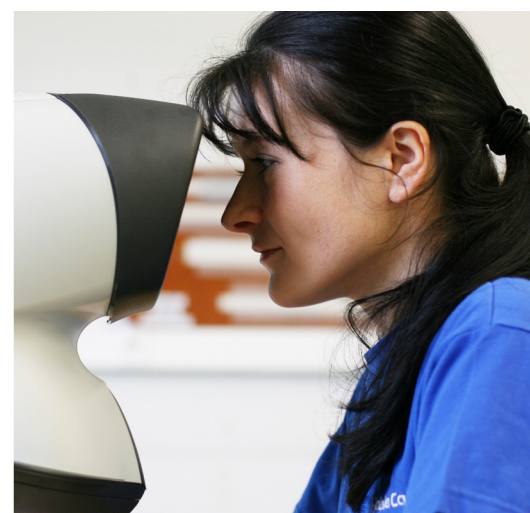
Creative solutions for your business

Habia Cable is today one of Europe's leading manufacturers of special wire, cable and cable systems. Habia Cable has built an enviable reputation for the design and manufacture of high performance standard and custom designed cables and cable systems, using constructions and materials to meet the most demanding requirements. Our products are found in nuclear power, defence, offshore, telecom, and a variety of industrial, applications.

Our most important competitive advantages are a high level of service, high technical competence and a global organisation.

With sales offices across Europe and Asia, and production facilities in Sweden, Germany, Poland and China, we sell our products in 50 countries on five continents.

Habia Cable is a Swedish company, founded in 1941, and has been a cable manufacturer since 1957. Habia Cable is owned by Beijer Alma, an industrial group listed on the Stockholm Stock Exchange, which is focused on production of components for customers in high technology sectors.



A focus on service

As one of Europe's most successful manufacturers of special wire, cable and cable systems, we recognise the importance of providing a consistently high level of service to our customers.

We offer:

- A prompt response to enquiries and queries
- Short lead-times
- Low minimum order quantities
- Cost effective standard products and custom designed solutions
- Local support to our customers thanks to our network of sales offices and factories

Our expertise

Habia Cable has over 50 years' experience in designing and manufacturing cables for harsh environmental conditions. This is reflected in our material portfolio, which includes fluoropolymers, and high performance halogen free materials. Over the years, we have built up a significant knowledge covering industrial, defence, nuclear and telecommunications applications.

Our cable systems division are experts in design and manufacture of cable assemblies for demanding environments. We can achieve properties such as water blocking, long flex life, resistance to temperatures and chemicals, and spiralisation. Applications include gas turbines, industrial power tools, weapon systems, military communication equipment, ROVs and submarines. Hot and cold moulding are used to achieve tough yet cost effective cable harnesses.

Our promise

At Habia, we are committed to the highest standards in quality, environment and business ethics. All our offices and production facilities are ISO 9001:2015 certified. In the nuclear area, we work according to the industry standards NQA1 and 10 CFR 50 B.

We have implemented a policy for corporate social responsibility. This policy is based on international agreements and guidelines, and enables us to meet our customers' increasing expectations regarding business ethics, and social and environmental responsibility.



Application areas

With more than 50 years’ experience in special cable manufacturing, we understand our customers’ cable needs, and work closely together with them to find the best solution for their application – be it a standard or custom designed product.

Defence

- Fighting vehicles
- Communication systems
- Radar systems
- Surface ship and submarine systems

Industrial

- Automotive
- Raw material processing
- Space
- Heating
- Lighting
- Measurement
- Control panels
- Gas turbines
- Marine diesel engines
- Power tools
- Probes
- Rolling stock
- Sensors

Nuclear power

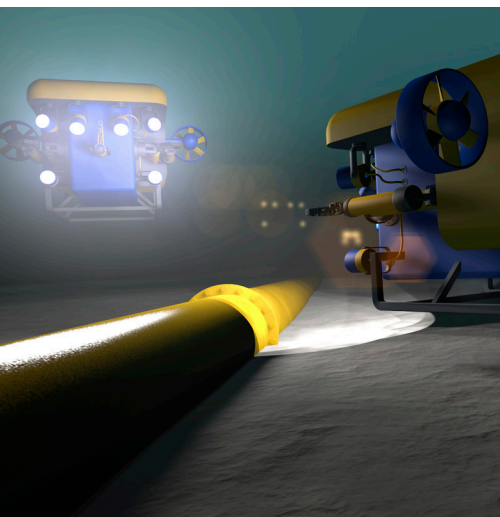
- Safety cables inside / outside containment
- Communication
- Control
- Instrumentation
- Power

Offshore

- Downhole
- Topside
- Subsea
- HTMV solutions
- ROV’s
- Tidal power
- Wave power

Telecom

- Antennas
- Base stations



Our product range

Equipment wires

We offer various standards including UL, NF, NEMA and DEF-STAN. Voltage rating to 1000v.

- **ETFE** – temperature range -65 to +155°C
- **FEP** – temperature range -65 to + 200°C
- **PTFE** – temperature range -65 to +260°C
- **PFA** – temperature range -65 to +200°C
- **Polyimide** – temperature range -65 to +200°C
- **PEEK** – temperature range -60 to +190°C
Radiation tolerance >107 Gy

Coaxial cables

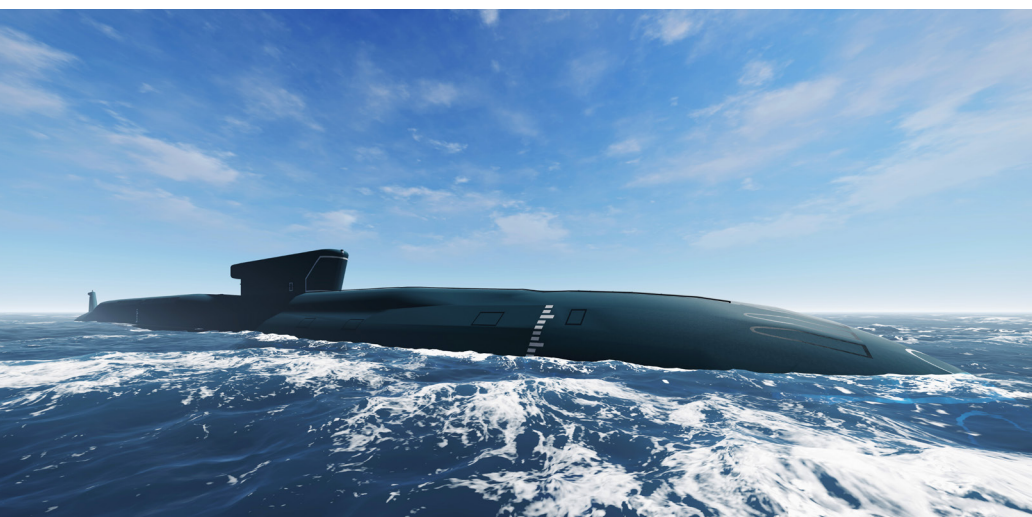
- A wide range of **standard RG style cables** in addition to low noise, low loss, super screened and sub-miniature versions.
- **Speedflex** – LSOH alternatives to RG styles. Operating frequency up to 3 GHz.
- **Speedfoam** – a low-cost, low-loss flexible communications cable. Operating frequency up to 2,5 GHz.
- **Speedfoam 240 and 400 HT** – high temperature, low loss coaxials, temperature range -65 to +200°C
- **Flexiform** - a hand-formable alternative to semi-rigid cables used successfully at operating frequencies up to 18GHz.
- **Multibend** - a flexible alternative to semi-rigid cables, operating frequency up to 18GHz.

Defence standards

- **LSI 155** – cross-linked ETFE to Defence Standard 61-12 Part 33/001.
- **HFI 140** – to Defence Standard 61-12 Part 18. Low-smoke and zero halogen.
- **Multicore cables** to Defence Standard 61-12 Part 25.
- **Hi-Flex** – power cores for Armoured Land Vehicles Power cables are designed to be tough and highly flexible, with exceptional current carrying capabilities.
- **Landguard** – jacketed cables for Armoured Vehicles to meet German VG 95218 (Pt 20-29) specifications. These cables are tough, durable and resistant to variety of oils, fuels and other chemicals.

Fire performance wires and cables

- **Habiaflame** – flame retardant to IEC 60331-1 and 60331-31. Continuous operating temperature of -65 to +260°C 120 Minutes at +830°C, excursions to +1565°C
- **HFFR** (Halogen Free Flame Retardant) - a wide range of LSOH insulation materials to meet IEC 60332 and as well as options to meet IEC 60331.



Shielded signal cables

From our extensive range of equipment wires, Habia Cable are able to offer a wide range of shielded cables incorporating pairs, triples and quads. Various levels of screening can be achieved using a combination of braids, foils and tapes.

Custom multicore and hybrid cables

Custom designed cables provide a solution to the customer's unique technical challenge, and can also be a cost effective alternative to standard products. Elements may include signal, power, coaxes, fibre, pneumatics, strain members and any numbers of pairs, triples etc., individually or overall screened to meet specific electrical requirements. A wide range of insulation and sheathing materials gives us the flexibility to offer for even the most demanding customer applications.

Demands may include:

- Water resistance
- Fire resistance and flame retardancy
- Low temperature - high temperature
- Small diameter, lightweight
- Radiation resistance

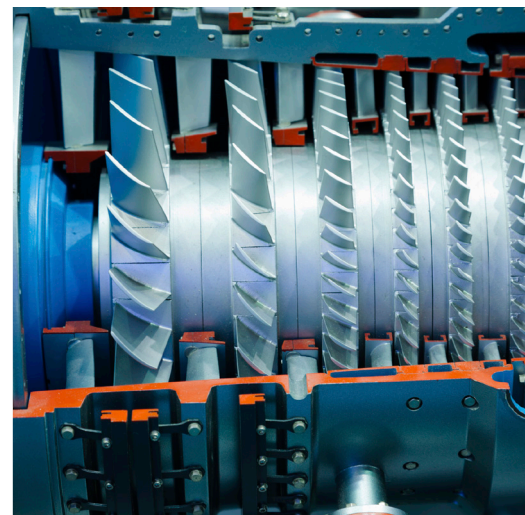
- Halogen-free
- Low smoke and toxicity
- Fuel, oil and chemical resistance
- Flexibility and long flexlife
- Stiffness
- Vibration
- Cut-through and abrasion resistance
- Electrical parameters

Habiatron – radiation tolerant cables and coaxes for Nuclear power applications

- Flame retardant and good chemical resistance
- Small size and weight in relation to performance
- Low and high temperature
- Small minimum order quantities
- In-house harness assembly production

International Nuclear approvals:

- IEEE 383-1974
- IEEE 383-2003 (60 years)
- IEC 60754 and 60544

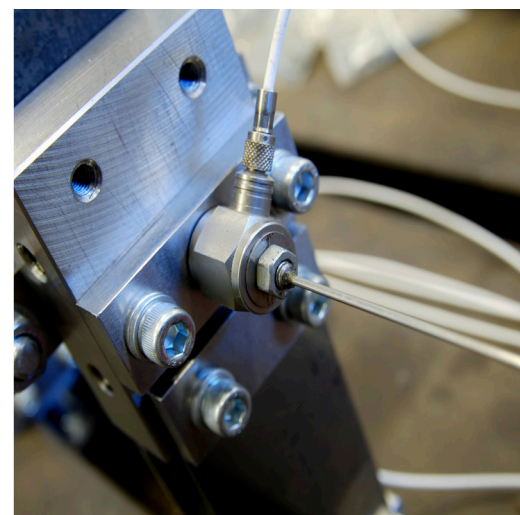


Habiasense – measurement cables

- Typical sensor applications include accelerometers (including positioning, speed, vibration and displacement), chemical (including lambda / O₂), level and flow, metrology, pressure, proximity and radiation.
- Measurement cable types - the variety of environments our cables are subjected to requires a varied range of Habiasense products.
- External factors such as high and low temperature exposure, vibration and movement, oil, fuel and water immersion and even radiation all influence the cable's overall performance.

Habiatherm – thermocouple cables

- Extension and compensating cables
- Types – E, J, K, R, S, T, NB
- Conductors to International Standards
- Standard types - single, twin twisted and twin flat
- Specials – multicores, individually and collectively screened



Habia Cable is one of Europe's leading wire and cable manufacturers. We develop, manufacture and market custom design cables and harness systems for demanding applications in a number of diverse industries.

The company has a global presence and worldwide sales of custom design and standard products in more than 50 countries.

We aim to provide a high level of customer service and technical competence with competitive lead times and low minimum order quantities.

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