

Automotive products

RADOX® cables and system solutions

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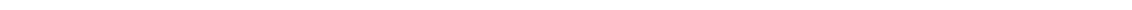


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HUBER+SUHNER

Automotive cable systems



The quality of the cabling throughout a vehicle plays a crucial role in transmitting and protecting power as it is stored in the vehicle. The cables need to be able to resist mechanical abrasion, harsh environmental conditions, moisture, temperature, aggressive fluids, as well as handle voltages up to 1000VAC/1500VDC. HUBER+SUHNER wires & cables and cable systems are designed with these challenges in mind.

When it comes to EV cable systems in the automotive sector, the main considerations are: high level of safety, reasonable costs and the correct approvals. Our in-house engineers are well experienced in the EV sector and never lose sight of the bigger picture. As a result, HUBER+SUHNER delivers complete cable system solutions that meet required automotive standards, whilst also optimising the installation processes.

Engineers work closely with our customers, always taking the latest market requirements as a starting point. A wide variety of parts in our automotive product range e.g. 3-pole connector, are tailored to specific customers and specific applications. With our global presence and many years of high voltage experience, we support new products a smooth entry into the EV market.

Benefits of using HUBER+SUHNER cable systems:

- Safe and reliable connection
- Easy assembly, saving time and money
- A smooth and effective integration with HVDU solutions
- High current carrying capacity for higher loads
- High Ingress Protection (IP) for both solid objects and liquids
- High voltage testing & validation services, both internal and external – to guarantee high product quality
- Possibility of joint development projects, allowing access to specialised engineering resources as well as RADOX technology

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Cable assembly



HUBER+SUHNER has provided Automotive industry with high-quality custom cable assemblies, wire harnesses and high voltage sub-assemblies since decades. Thanks to RADOX® technology, cable assemblies are extremely durable and able to withstand the conditions of heavy duty applications.

Benefits

- High adaptability (turnkey or custom-built solutions)
- Very fast sample preparation for prototype builds as well as series
- Accelerated homologation process (assembly with RADOX EV-C is already validated by independent laboratory)
- Long operation time under harsh environments
- Possible system usage without corrugated tubes

3 pole connector



Applications

HUBER+SUHNER develops complex and innovative cable systems according to customer requirements.

Benefits

- Assembly of HV harnesses with our cables for specific applications – according to customer requirements
- Compact design, for easy integration into Customer HV system
- High electrical loads permissible
- High shock and vibration resistance
- Proven protection against environmental factors
- Reliable connections and seals