



CABLE ASSEMBLY OF THE HIGHEST QUALITY

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COMPREHENSIVE CABLE ASSEMBLY EXPERTISE

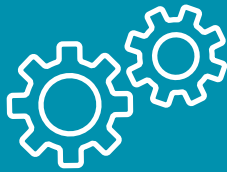
With our comprehensive portfolio, we are a globally valued partner, offering our customers first-class assembly, pre-assembly, logistics and additional services, thereby creating added value for them. Our consistent focus on customer needs, our proximity to the market and a team of highly motivated employees enable us to respond quickly to all market requirements.

ISO CERTIFICATIONS: 9001, 14001, 18001 (45001)

ISO certifications play a crucial role in our cable assembly to ensure the highest standards of quality, environmental management and occupational safety.

OUR SERVICES

AT A GLANCE



TAILOR-MADE SOLUTIONS

With our solutions, we implement your specific requirements with first-class quality.



DATWYLER QUALITY FOR THE HIGHEST DEMANDS

Rely on proven Datwyler quality for the reliable implementation of your solutions.



EFFICIENT MANUFACTURING

We optimise your solutions for cost-effective production and assembly right from the planning phase.

CUSTOMISED CABLE ASSEMBLY – QUALITY AND PRECISION FOR YOUR PROJECTS

Are you looking for a reliable supplier of cable assemblies? We offer professional manufacturing of cable harnesses and complete assembly.

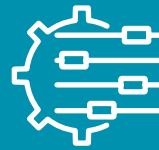
Our services include:

- **Precise cutting of wires and cables**
- **Stripping of wires and cables**
- **Assembly of various connector types**
- **Crimping of contacts and sleeves**



PRECISE ASSEMBLY

Rely on the highest precision.



SMALL AND LARGE SERIES PRODUCTION

As a specialist in customised cable harnessing solutions, we can efficiently produce both small and large series.



COMPREHENSIVE CONTROL AND FINAL INSPECTION

Our reliable inspection plans ensure consistent, top-level quality assurance.



ON-TIME DELIVERY ACCORDING TO PLAN

Rely on the on-time implementation of your projects thanks to our precise planning.



FOCUS ON SUSTAINABILITY

Datwyler is committed to sustainability, for example through the use of environmentally friendly packaging and energy-efficient production processes.

- Cable assembly
- Complete wiring of cabinets
- Machine printing of labels, wires and cables

A matter of course with our products:

- Measurement and functional testing of every product
- Quality control and final inspection
- Declaration of conformity and warranty

OUR SERVICES

AT A GLANCE



Control cabinet wiring

Optimise your industrial cabling with our customised control cabinet cabling solutions. Our precisely engineered cable harnesses ensure seamless integration into your control systems, minimise sources of error and increase the reliability of your systems.

Leverage our expertise to shorten assembly times and increase productivity. Trust in the quality that makes your production processes more efficient and gives you a clear competitive advantage.



Cable assemblies

Discover our expertise in customised cable assembly solutions tailored precisely to your requirements. From individual cable assemblies to complex cable harnesses, we ensure high-quality production.

Benefit from our comprehensive manufacturing capabilities and strict quality controls to provide reliable connectivity solutions across industries.

WHY DATWYLER?

- Flexibility and short delivery times: We adapt to your needs
- A customised approach and tailor-made solutions
- Competitive prices and high quality
- Extensive industry experience: Our expertise guarantees your satisfaction



Wiring harnesses

Optimise your control cabinet layouts with our customised wiring harness solutions. Whether for industrial, medical, or solar applications, our precision-manufactured cables ensure efficient cable management and reliable operation.

Rely on our expert workmanship and thorough quality assurance to provide the highest quality solutions for your applications.



Cut-to-length, stripped cables with contacts

Optimise your installations with our cut-to-length, stripped cables and high-quality contacts. Our cables are ideal for rapid deployment in a variety of applications and offer consistently high performance and reliability.

Benefit from our efficient production processes and punctual fulfilment of our delivery commitments.



Contact us today to find out how we can help you with your cable assembly needs!
sales.cz@datwyler-itinfra.com

INDUSTRIAL HARNESSING

**RELIABILITY
AND LONGEVITY**



**PRECISION
AUTOMATION SOLUTIONS**



**INDUSTRIAL
AUTOMATION**



**MACHINE TOOLS AND
INDUSTRIAL MACHINERY**



**BANKING
AUTOMATION**

EXAMPLES:





The primary purpose of industrial harnessing is to safely and efficiently deliver power, control signals and data to various components, motors and sensors in industrial machines.

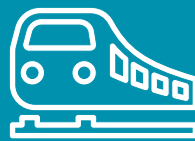
- Plays a critical role in ensuring efficient and reliable electrical connections in industrial environments
- Contributes to the overall functionality and longevity of equipment or systems.



**PROFESSIONAL
ELECTRONICS**



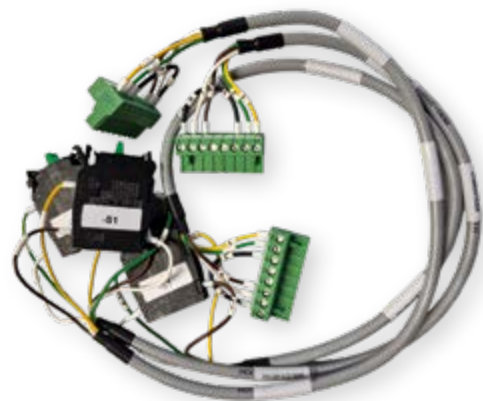
**ELECTROMEDICAL
EQUIPMENT**



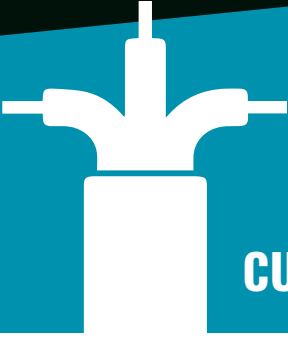
TRANSPORTATION



ELEVATOR SYSTEMS



OUR EQUIPMENT



CUTTING



STRIPPING, CRIMPING AND ASSEMBLY

Our industrial harnessing production utilises modern automated technologies to ensure the highest quality, repeatability and efficiency.

This enables us to offer reliable cable harnesses for a wide range of industrial applications – from automation and robotics to transportation systems and energy.



TESTING



1. Electrical tests

- Conductor continuity – checking that each conductor carries the current properly
- Short-circuit resistance – checking that there are no short circuits between conductors
- Insulation resistance – measuring the quality of the insulation, preventing leakage current
- High/low voltage tests – checking that the insulation can withstand the specified voltage

2. Mechanical tests

- Tensile testing of crimped connections – checking the strength of the crimped contacts
- Bending and repetitive stress – simulating operating conditions
- Mechanical durability – testing of industrial applications

3. Functional tests

- Verification of correct wiring – automatic testing of wire connections according to the wiring diagram
- Connector and sensor tests – verifying the correct connection to other components
- Temperature tests – simulating operation under various climatic conditions

4. Fibre optic connector tests

- Geometry of connector surfaces
- Attenuation checks
- Fibre optic polarity check

