



**NEUMÜLLER**  
ELEKTRONIK GMBH

# CABLE ASSEMBLY

**Standard and custom**

---

# Neumüller Elektronik GmbH

## Tradition meets Innovation

---

### WHO WE ARE

Since our founding in 1952, we have stood for comprehensive product knowledge and in-depth technical expertise. As a market- and innovation-oriented design-in distributor, we can look back on over 70 years of tradition and are now one of the leading partners in the industrial and lighting sector.

With our headquarters in Weisendorf and our locations in Ahrensburg, Berlin, Munich, and Dortmund, we ensure direct customer proximity. This regional presence enables us to respond quickly and flexibly to all relevant market changes at any time.



Headquarters:  
**WEISENDORF**



Branch office:  
**AHRENSBURG**



Offices:  
**BERLIN, DORTMUND, MÜNCHEN**

### WHAT WE DO

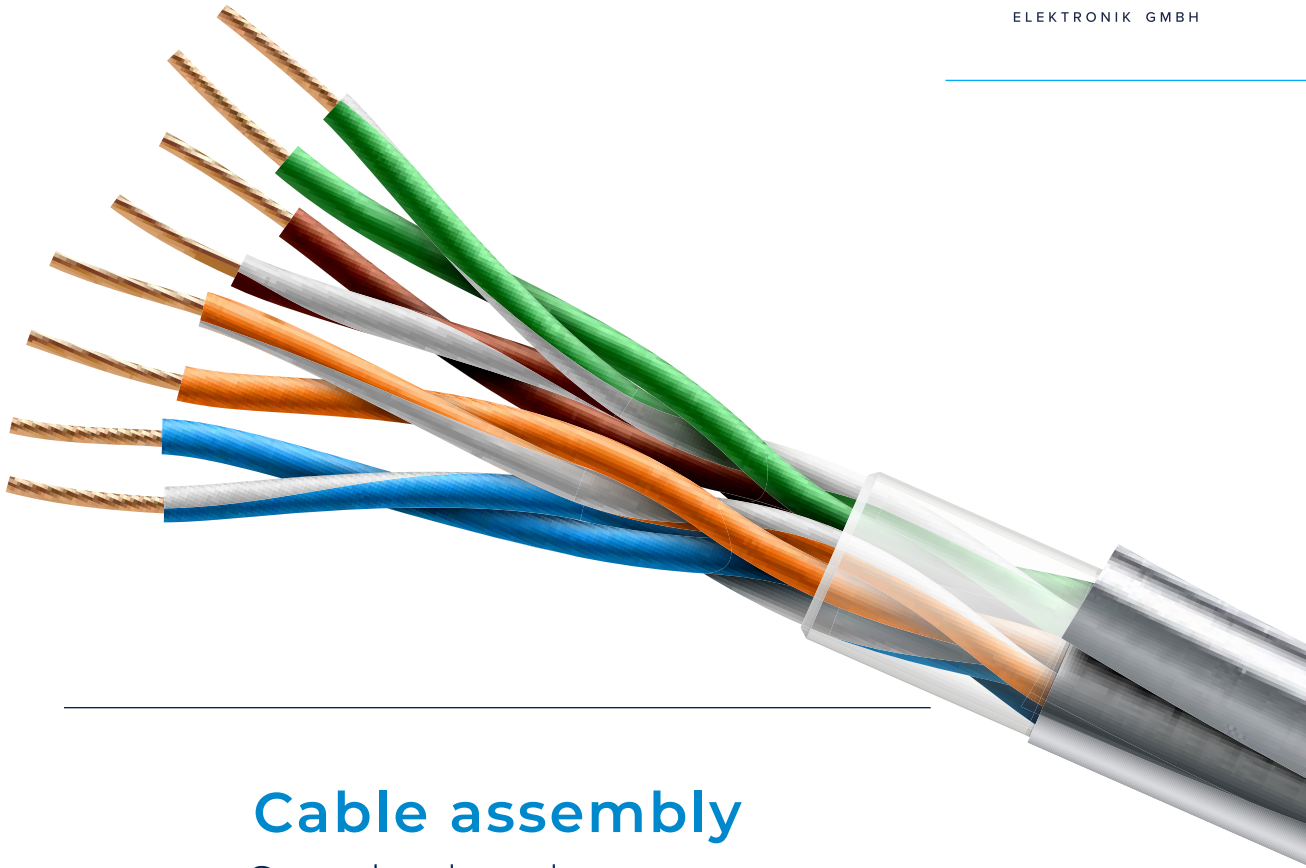
We offer you not only electronic components, but also tailor-made systems and comprehensive solutions. As a globally networked company, we work exclusively with renowned manufacturers to guarantee you direct access to state-of-the-art technology and expertise.



Uwe Fischer **managing director**,  
Tanja Hollfelder **authorized signatory**

### OUR AIM IS TO THINK OUTSIDE THE BOX:

**we support you with in-depth design-in expertise and technical support from the initial idea to implementation.**



---

## Cable assembly

### Standard and custom

---

**A broad cable assembly production portfolio enables us to manufacture an extremely wide range of cable types and connectors, compliant with all common norms and standards, for virtually any industry.**

We provide cable assembly services for customers from many sectors, including household appliances, automotive suppliers as well as communication and control technology. This cross-industry experience allows us to manufacture cables and wiring systems for diverse applications while consistently meeting all relevant norms and standards.

We assemble custom cables exactly to your specifications – from simple to highly complex designs, using both manual and automated processes. Clean workmanship, precise lengths and stable, long-lasting connections are at the core of our quality assurance. Clear and unmistakable labelling ensures secure assignment and smooth downstream processing.

Our service portfolio includes, among others, cable and wire harnesses, sheathed cables, single cores as well as data and control cables. In addition, we manufacture ribbon cables, HF and coaxial cables, fiber optic cables, cable looms and customer-specific special cables. Processing covers a wide range of conductor cross-sections and connection variants in line with the respective technical requirements.

We supply prototypes as well as small, medium and – depending on the application – larger series. In close collaboration with our customers, we develop tailored solutions that combine functional reliability, cost-efficiency and consistently high quality.



### SINGLE WIRES

Precisely for your needs

We offer individually assembled single-wire solutions exactly tailored to your specific requirements.

Our solutions are used in a wide range of applications, including machinery and plant engineering, electronics manufacturing, industrial automation, automotive applications and control cabinet construction. Beyond that, we implement customer-specific configurations for numerous other industrial applications.

In doing so, we take both electrical and mechanical requirements into account and reliably translate them into high-quality, application-ready cable assemblies.

|          |                                           |
|----------|-------------------------------------------|
| Cutting  | 0,05 mm <sup>2</sup> – 25 mm <sup>2</sup> |
| Crimping | 0,05 mm <sup>2</sup> – 16 mm <sup>2</sup> |



### FFC CABLES

Standard and custom

We offer assembled FFC cables with SMD FFC connectors, precisely matched to your requirements. FFC cables are characterized by low weight, low profile height and high flexibility and can be easily mated with SMD FFC connectors. The insulation material of the FFC cables is PET.

A wide variety of FFC variants is possible. In addition to our standard FFC cables, we can tailor parameters such as transmission frequency, punching, current-carrying capacity, shielding, bending radius and temperature resistance to your specific needs.

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Pitch options      | 0,5 mm, 0,8 mm, 1,0 mm, 1,25 mm, 2,54 mm                                                                           |
| Variants           | gold-plated contacts, folded, shielded, with/without shielding termination, punched, ...                           |
| special parameters | Transmission frequency, punching, current-carrying capacity, shielding, bending radii, temperature resistance, ... |



### MAINS CABLES

VDE-certified for industry and medical

We offer assembled mains connection cables (power cords) certified according to VDE for industrial and medical applications and approved by numerous national and international test institutes.

#### Available portfolio:

Euro plugs, Schuko plugs IP44, contour plugs IP44, UK plugs, Swiss plugs, Italian plugs, Australian plugs, South African plugs, Chinese plugs, Japanese plugs, North American plugs, hospital-grade plugs, appliance inlet C14, appliance outlets C13 / C17, small appliance outlets C7 / C5, high-current outlet C19, extension cables, strain relief grommets, power cords with switch, and cable lengths supplied as bulk goods

### YOUR CONNECTION TO US

You have questions?  
We have the answers !

**09135 73666-0**  
**info@neumueller.com**

### RIBBON CABLES

Space-saving connections

Ribbon cables and jumpers are predominantly used in the automotive industry for climate control units and in vehicle doors.

At our facilities, all common pitches are cut to the required length and then terminated with PCB connectors such as Micro-Match or pin headers.



## HDMI CABLES

### Custom and standard

Our HDMI cables reliably transmit high-resolution audio and video signals between devices. They are available in various lengths and designs and support the latest HDMI standards, including 4K, 8K and HDR, as well as HDCP-compliant content.



The cables provide excellent signal quality, robust connectors and durable materials. High-grade shielding minimizes interference and ensures stable, error-free transmission even over longer distances.

## HOTMELT

### Classic connection techniques vs. component encapsulation

We offer the option of encapsulating electrical and electronic components using hotmelt technology to protect them from unwanted or improper access. With the hotmelt process, strain reliefs and grommets can be applied precisely where they are needed. The encapsulation material can additionally contribute to strain relief. Eliminating conventional encapsulation housings, energy-intensive thermal curing processes and aluminium moulds significantly reduces overall costs.

## WIRING HARNESSES

### For automotive, commercial vehicles and industrial electronics

We manufacture sophisticated wiring harnesses with or without overmoulding according to your specifications for automotive, commercial vehicles and industrial electronics. Comprehensive consulting and close project support are a matter of course for us – not only for high-quality standard cable assemblies, but also for custom wiring harnesses precisely tailored to your requirements.

For special designs, we offer a wide selection of materials for the outer jacket, protective and shielding braids with heat-resistant, water- and chemical-resistant sheathing.

Production standards for wiring harnesses are certified in accordance with DIN EN ISO 9001:2008, ISO/TS 16949 and UL.

### Automotive

Pre-assembled cables are complex harnesses that meet the automotive industry's high quality and safety standards.

### Commercial Vehicles

Reliable connections for all electrical components to ensure optimal functionality

### Industrial

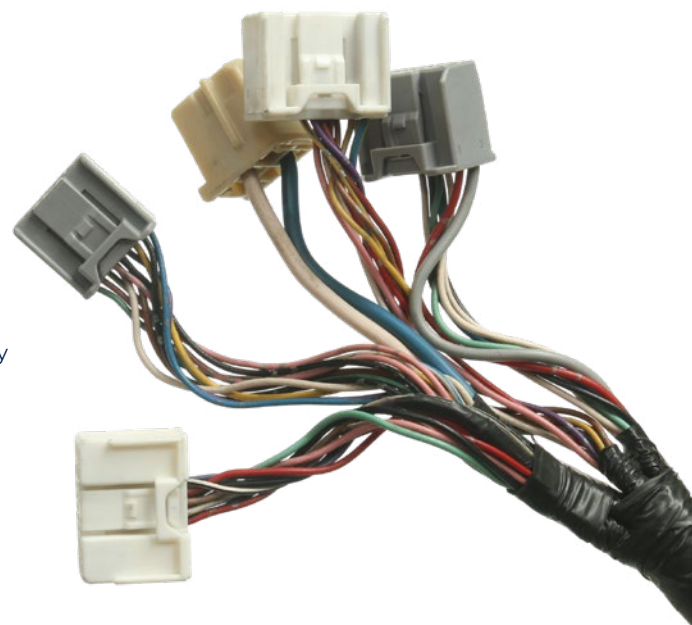
Manufactured to specific requirements to ensure a reliable connection and optimal performance.

## AUTOMOTIVE

### For maximum reliability and efficiency

For the automotive sector, we provide specially assembled cable sets that meet the highest requirements for reliability, flexibility and protection. They connect control units, sensors and actuators efficiently and space-savingly, and are vibration-resistant, temperature-resistant and resistant to moisture, oil and other automotive media.

Clear bundling and labelling of the cables simplify installation and reduce errors, while individual adjustments in length, shielding or connector type ensure a perfectly matched solution for every application.





**NEUMÜLLER**  
ELEKTRONIK GMBH

**Neumüller Elektronik GmbH**

Gewerbegebiet Ost 7 | 91085 Weisendorf | Germany

Tel.: +49 9135 73-666-0 | E-Mail: [info@neumueller.com](mailto:info@neumueller.com) | [www.neumueller.com](http://www.neumueller.com)