

SCRIPT

SECTOR: ELECTRICAL ENGINEERING IN GERMANY

TOPIC: GET TO KNOW THE ESSENTIAL TOOLS AND EQUIPMENT
YOU WILL NEED TO USE IN THE FIELD OF
ELECTRICAL ENGINEERING



Essential tools for Electrical Installation
[Typische Werkzeuge der Elektroinstallation](#)

You should know these tools if you work in electrical installation:



[Seitenschneider](#) – The side cutter is used to cut wires and cables.
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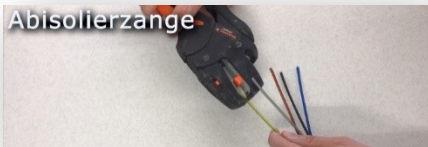
If you want to cut wires effortlessly, use a cable cutter.
[Kabelschneider](#).



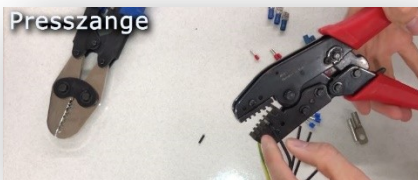
Remove the sheath insulation of the cable without damaging the
insulation of the cores.
For short pieces, a stripper is sufficient: [Entmanteler](#).



For longer pieces, use a cable knife/stripping knife: [Kabelmesser](#).



The insulation of the individual wires is removed with a wire stripper: [Abisolierzange](#).



Crimping pliers are used to press sleeves or cable lugs onto fine-stranded wires: [Presszange](#).
A wide variety of crimping inserts is available for this purpose.



Screwdrivers are needed in different sizes.
Slot screwdriver - [Schlitzschraubendreher](#)
Phillips screwdriver – [Kreuzschlitzschraubendreher](#)
They must be insulated up to 1000 V for safety.



Typical measuring devices for electrical installation:
[Typische Messgeräte](#)
A digital multimeter [Multimeter](#) can be used to measure various electrical quantities in circuits.
Voltage - [Spannung in Volt](#)
Current - [Stromstärke in Ampere](#)
Resistance - [Widerstand in Ohm](#)



A handy continuity tester [Durchgangsprüfer](#) is used to measure the continuous connection in an electrical system.



The voltage must be measured with a two-pole voltage tester: [Zweipolige Spannungsprüfer](#)
230 V at sockets or luminaires
400 V at three-phase sockets
Phase testers [Phasenprüfer](#) are not allowed in Germany



The safety of an electrical installation is measured with an installation tester: [Installationstester](#).
For example, the correct function of a residual current circuit breaker.

LIST OF VOCABULARY

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DESTINATION LANGUAGE	YOUR LANGUAGE
<i>Seitenschneider</i>	
<i>Kabelschneider</i>	
<i>Entmanteler</i>	
<i>Kabelmesser</i>	
<i>Abisolierzange</i>	
<i>Presszange</i>	
<i>Schlitzschraubendreher</i>	
<i>Kreuzschlitzschraubendreher</i>	
<i>Multimeter</i>	
<i>Spannung</i>	
<i>Stromstärke</i>	
<i>Widerstand</i>	
<i>Durchgangsprüfer</i>	
<i>Zweipolige Spannungsprüfer</i>	
<i>Installationstester</i>	