

**»»» JOKARI®**  
original

## Precision Cable & Wire Stripping Tools

Quality made in Germany



### **Market Leader for Cable Stripping and Dismantling Technology**

The JOKARI-Krampe GmbH is a leading manufacturer in the technology of cable stripping and dismantling hand tools. The range comprises specialist tools for a wide field of applications to allow fast, simple and precise stripping and dismantling of cables and wires. Most of our tools are TÜV- and GS-certified, as we commit ourselves to the safety of the user of our products. As a renowned specialist with an experience of more than 50 years in development we offer innovative solutions for nearly all requirements in manual cable and wire stripping.

### **Reliable partner for trade, users and employees**

The satisfaction of our clients is the guideline of our management and employees in our daily work. As employers we know about the substantial role our employees play to contribute to the success of our business. Being a family-owned and managed company, we are a reliable partner of all people working for us – inside and outside of our company.

### **Leading in quality**

Most modern technologies and materials require the most qualified tools for the job. JOKARI's Original Range sets the professional standard for stripping and dismantling of wire and cable. We cover everything from production work to specialized work. When you see a JOKARI item, you can have faith that you are working with the best of the best.

### **Investing in Germany**

JOKARI is known for having the highest quality and precision products. We are constantly research-ing and developing new ideas and products and strive to continue offering innovative solutions for new technologies. To remain a leader in the international markets, all JOKARI items are developed and produced 100% in Germany. Our factory is located in the Westphalian town of Ascheberg. All

of the JOKARI range originate from here. We are continuing to invest in growing manufacturing to ensure the constant evolution of JOKARI into the future. JOKARI – 100% made in Germany: this is the quintessence of our policy.

### **Careful Use of Resources**

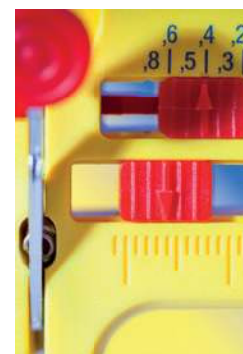
The environment plays a crucial role at our company. The enlargement and refurbishment of our buildings comprised the installment of solar geothermical equipment to make use of green and independent electrical and thermal energy sources to avoid environmental stress. Also our production facilities look for an environmental friendly handling of all materials used for production and maintenance. As we are responsible for the environment, we live in.

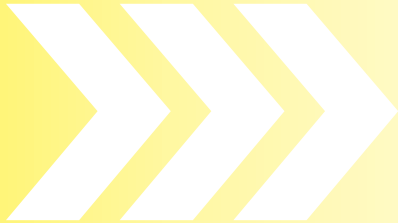


## Precision Cable-Stripping Tools

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**100% Made in Germany**





**Must-have for  
every electrician**

## **Cable Knives**

Proven a million times over, the JOKARI cable knife is the tool of choice for stripping all standard round cables. The cutting blade automatically repositions from cutting around to cutting along the sheath for fuss-free cable stripping. Each JOKARI cable knife benefits from special Titanium-Nitride coating (TiN) to achieve longer life, faster cutting, and less wear.

## **The Best. Reinvented**

With the cable knife System 4-70 a new era begins. More safety, more comfort, more flexibility – the new generation of the cable stripper comes with many top features. Find out more about it!

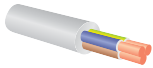
- **New Type of Bracket Change System**
- **Safe Locking Switch**
- **Automatic Blade Protection**







**Cable Knife System 4-70**  
 With an intelligent, exchangeable  
 bracket system for most com-  
 mon cable types  
**Part No. 70000**  
 (incl. Cable bracket No. 28)



0.31" - 1.10" Ø  
 8 - 28 mm Ø

**Accessories**

Cable bracket No. 16	Size 4 - 16 mm Ø	0.16" - 0.63" Ø
<b>Part No. 79016</b>		
Cable bracket No. 28	Size 8 - 28 mm Ø	0.31" - 1.10" Ø
<b>Part No. 79028</b>		
Cable bracket No. 35	Size 27 - 35 mm Ø	1.06" - 1.38" Ø
<b>Part No. 79035</b>		
Cable bracket No. 50	Size 35 - 50 mm Ø	1.38" - 1.97" Ø
<b>Part No. 79050</b>		
Cable bracket No. 70	Size 50 - 70 mm Ø	1.97" - 2.75" Ø
<b>Part No. 79070</b>		



**Spare parts**

- Spare cable blade  
**Part No. 19000**
- Spare hook blade TiN coated  
**Part No. 79055**



**System 4-70 Set**  
 including all cable brackets  
 in a Sortimobox with high-  
 quality foam insert  
**Part No. 71000**



Never use tool on or near live electrical circuit!

**Thanks to the intelligent bracket change system, all common cable types, from 4 to 70 mm diameter, can be stripped with just one tool. One for all – there's nothing better.**

Cut injuries are a thing of the past with the newly developed protection mechanism. This precision tool is your safe companion in all work situations.



#### Automatic Blade Protection

More safety: The hooked blade is only exposed when pushed against the wire insulation. The blade guard automatically springs back over the blade to prevent any accidental injuries. Perfect protection for everyday routine work.



#### Safe Locking Switch

More work protection: The locking switch activates the use of the hook blade. When the switch is at the open lock icon, the blade guard can be lowered into the handle; otherwise the blade guard is blocked. After lowering the blade guard into the handle, the locking switch automatically adopts stand-by mode, from which it instantly covers the hook blade should the tool slip off the cable. The blade cannot be reactivated unless the lock is released.

#### New Type of Bracket Change System

More flexibility: From 4 to 70 mm Ø – whatever the cable size. The new JOKARI is the perfect tool for you – thanks to the bracket change with a single click. To change the bracket simply release a clip in the push opening and slide it out. Swapping to a new bracket will allow you to use one tool to strip any cable from 4-70 mm Ø.



#### Visible Round Cut

More comfort: An exact round cut – an essential criterion for the following steps. Through a window in the metal bracket the user can see at once whether the cutting is good.



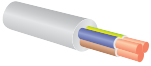
Never use tool on or near live electrical circuit!





4 011391 101623

**No. 16 Standard**  
**Part No. 10162**

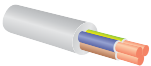


5/32" - 5/8" Ø  
4 - 16 mm Ø



4 011391 102729

**No. 27 Standard**  
**Part No. 10272**

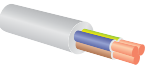


5/16" - 1.1/8" Ø  
8 - 28 mm Ø



4 011391 102859

**No. 28 G Standard**  
with straight blade  
**Part No. 10285**

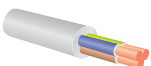


5/16" - 1.1/8" Ø  
8 - 28 mm Ø



4 011391 102828

**No. 28 H Standard**  
with hooked blade  
**Part No. 10282**



5/16" - 1.1/8" Ø  
8 - 28 mm Ø



Never use tool on or near live electrical circuit!



**Cable Knife SECURA 2-Component Design**

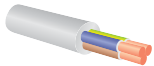
The unique feature of this knife is the slip-proof handle grip with soft thumb pad. The user benefits from a more secure grip achieved by the non-slip padding.



4 011391 101609



**No. 16 Secura**  
Dual-compound handle and thumb pad for better grip and more safety.  
**Part No. 10160**



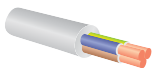
5/32" - 5/8" Ø  
4 - 16 mm Ø



4 011391 102705



**No. 27 Secura**  
Dual-compound handle and thumb pad for better grip and more safety.  
**Part No. 10270**

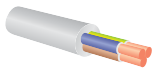


5/16" - 1.1/8" Ø  
8 - 28 mm Ø



4 011391 102811

**No. 28 G Secura**  
with straight blade.  
Dual-compound handle and thumb blade.  
Dual pad for better grip and more safety.  
**Part No. 10281**

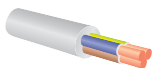


5/16" - 1.1/8" Ø  
8 - 28 mm Ø



4 011391 102804

**No. 28 H Secura**  
with hooked blade.  
Dual-compound handle and thumb pad for better grip and more safety.  
**Part No. 10280**



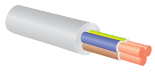
5/16" - 1.1/8" Ø  
8 - 28 mm Ø



Never use tool on or near live electrical circuit!



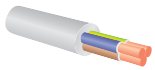
**No. 35**  
Dual-compound handle  
for better grip and more  
safety.  
**Part No. 10350**



1.5/64" - 1.1/2" Ø  
27 - 35 mm Ø



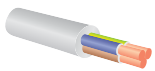
**No. 50**  
Dual-compound handle  
for better grip and more  
safety.  
**Part No. 10500**



1.3/8" - 1.15/16" Ø  
35 - 50 mm Ø



**No. 70**  
Dual-compound  
handle for better grip  
and more safety.  
**Part No. 10700**



50 - 70 mm Ø  
20" - 28" Ø



- The JOKARI Advantage:**  
Titanium-Nitride (TiN) CoaTiNg
- Fast cutting
  - Reduced wear
  - Longer life

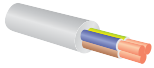




4 011391 102712



**No. 27 ISO**  
Full-plastic body design  
(excluding the internal blade)  
**Part No. 10271**



5/16" - 1.1/8" Ø  
8 - 28 mm Ø



4 011391 103559

**No. 35P**

Earth cables are often used in high and medium voltage areas, for they are superior to PVC-insulated cables in matters of durability and dielectric strength. All winding wires are coated with an oil-impregnated layer of paper.

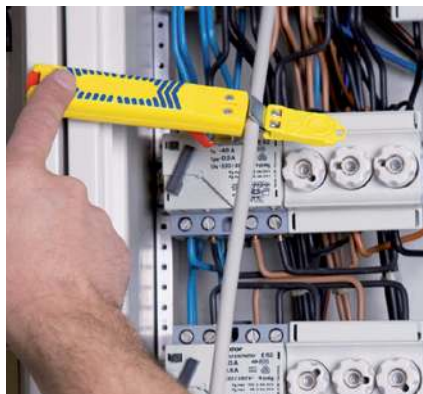
With winding conductors in transformers round and paper-insulated Cu-cables (copper-cables, categories 2 and 5) are used for the leakage.

Normally those paper-insulated cables are stripped with a sharp knife. That may cause partial damage of the Cu-cable and cutting off conductors (category 5).

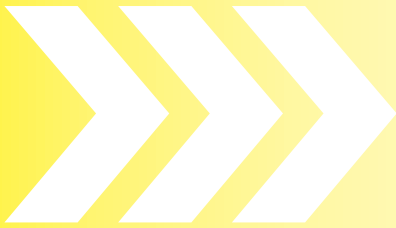
JOKARI's cable knife No. 35P can be adjusted to the 3 to 5 mm thick paper insulation, and a clean round cut can be realized. Working and process safety are in the focus.

Stripping range round cable:  
35 to 300 mm<sup>2</sup> with paper insulation of 3 - 5 mm

**Part No. 10355**



Never use tool on or near live electrical circuit!



## Cable Strippers

The JOKARI cable strippers are a must-have on every building site because of their comfortable and effective use. These tools impress with their ease-of-use and high-end quality. Original JOKARI cable strippers allow effortless work even in tight or hard to reach places.

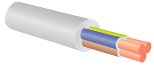






**Universal Stripper No. 12**

Universal stripper for all standard insulated round cables, including NYM 3 x 1,5 to 5 x 2,5 mm<sup>2</sup>. No cutting depth adjustment required. TiN-coated blades. Pocket clip.  
**Part No. 30120**

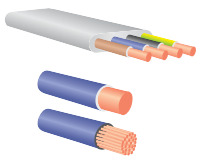


Ø 5/16" - 1/2" | 8 - 13 mm



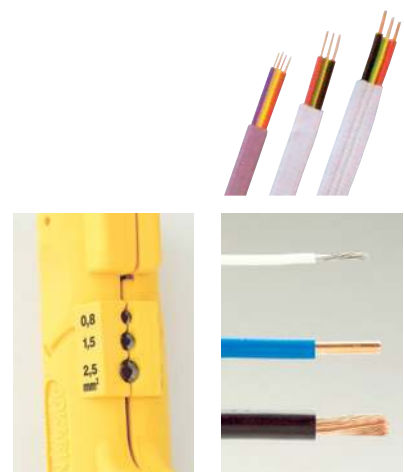
**No. 14 Strip**

Stripper for all standard PVC-insulated round cables and PVC-insulated flat cables. Extra blade for longitudinal cut. No cutting depth adjustment required. 3 stripping notches for stripping conductors. Pocket clip.  
**Part No. 30140**



max. 1/2" width | 12 mm

AWG 18 | 16 | 14  
mm<sup>2</sup> 0,8 | 1,5 | 2,5



Never use tool on or near live electrical circuit!





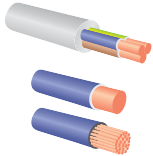
**SECURA No. 15**

Stripper for all standard insulated round cables, including NYM 3x1,5 bis 5x2,5 mm<sup>2</sup>, NHXMH 3x1,5 bis 5x2,5 mm<sup>2</sup> halogenfree. No cutting depth adjustment required. TiN-coated blades. Extra blade for longitudinal cut. 6 stripping notches for stripping conductors. Dual-compound handle for better grip and more safety. Pocket clip.

**Part No. 30155**

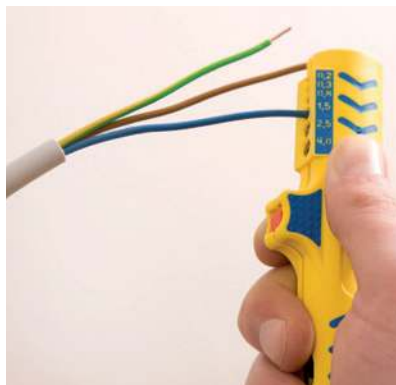
Ø 5/16" - 1/2" | 8 - 13 mm

AWG 24 | 22 | 18 | 16 | 14 | 12  
mm<sup>2</sup> 0,2 | 0,3 | 0,8 | 1,5 | 2,5 | 4,0



**SECURA No. 15**

- Secure grip achieved by introducing soft padding for non-slip grips.
- Technically improved functionality.
- New locking mechanism prevents the unwanted opening of the tool.
- Absolutely straightforward longitudinal cuts – with innovative internal cable duct.
- Redesigned blade layout and intake to stop cable waste from jamming the tool.
- Durable and ergonomically designed pocket clip.



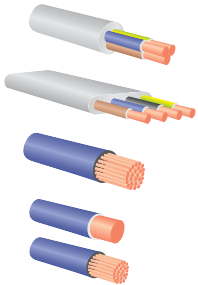
Never use tool on or near live electrical circuit!



**Allrounder**

Stripper for round and flat cables. A tool with a various range of applications from building services to industrial use. Extra blade for longitudinal cut. 2 stripping notches with length stop for stripping conductors. The removable length stop is suitable for left and right hand use and can be stored in the tool handle. Working range: Round cables 4-15 mm Ø e.g. energy-, control-, halogenfree installations-, data-, coaxial cables. Flat cables max. 15 mm width e.g. YDY, NYM-J.

**Part No. 30900**



5/32" - 19/32" Ø | 4 - 15 mm Ø

max. 19/32" | 15 mm

mm<sup>2</sup> 1,5 - 50

AWG 16 | 14

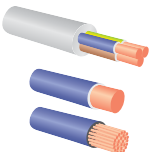
mm<sup>2</sup> 1,5 | 2,5



**UNI-PLUS**

Stripper for all standard insulated round cables, building installation and industrial cables. No cutting depth adjustment required. 2 stripping notches with length stop for stripping conductors. Removable length stop can be re-positioned for left and right hand use. Hole for hanging loop.

**Part No. 30400**



Ø 5/16" - 19/32" | 8 - 15 mm

AWG 16 | 14

mm<sup>2</sup> 1,5 | 2,5



Never use tool on or near live electrical circuit!





## Locator Box with power limiter for a high process safety

### JOKARI System Component kit

Stripping wires with a varied thickness of the outercoating can sometimes be difficult. It is essential for a user to never damage the inner-conductors. When too much pressure is applied while stripping certain cable, there is the possibility of inner nicks to the cable

This is why JOKARI has introduced the new Locator-system, which users can equip inside the Allrounder and UNI-Plus strippers with a power and level limiter. After the distance of the blades is defined by adjusting the Locator to the correct thickness of the coating, the cutting depth will remain consistent which will help the user avoid exerting too much pressure. These leads to quicker stripping and no internal damage to cables!

The distance of the blades can be precisely defined in a diameter-range of 4 - 11,9 mm (with Allrounder). The Locator-box is stored in the grip and equipped with a hex key. The multi-colored Locators makes it easy to reserve uniquely adjusted Locators for returning wires.

The Locator-system helps the user avoid harmful nicks and cuts and promotes a safe work environment while wire stripping.

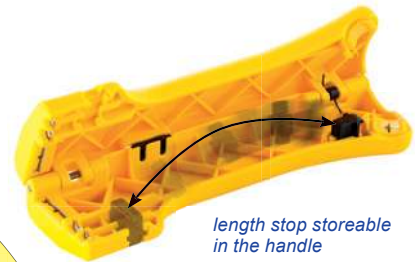
**Part No. 30910**



*different thickness of outer sheath*



*Locator Box inside the handle*



*length stop storeable in the handle*



*maximum height limit*



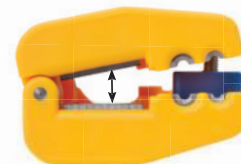
**Locator Box for JOKARI cable stripper Allrounder + Uni Plus adjustable from 5/32" - 15/32" Ø, 4.0 to 11.9 mm Ø Part No. 30910**



*adjusting the screw with the hex key*



*Locator and length stop combined as height and power limiter*



*blade distance will be defined*



*Locator positioned*

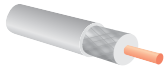
Never use tool on or near live electrical circuit!



**SECURA Coaxi No. 1**

Cable stripper for all standard coaxial cables, including TV-Coax, RG 58U/RG 59U; 3-core flex (3 x 0.75 mm<sup>2</sup>). With 20 mm length scales. cutting blades on both ends of tool marked with ① and ② for correct order of use. No cutting depth adjustment required. Dual-compound handle for better grip and more safety. TiN-coated blades.

**Part No. 30600**



Ø 3/16" - 19/64" | 4,8 - 7,5 mm



**The JOKARI Advantage:**

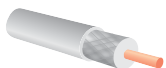
- Titanium-Nitride (TiN) Coating
- Fast cutting
- Reduced wear
- Longer life



**Top Coax Plus**

Cable stripper for all standard coaxial cables, including TV-Coax, RG 58U/RG 59U, 3-core flex (3 x 0.75 mm<sup>2</sup>). With integrated SW 11mm plug made of high-strength, glass-fiber reinforced plastic for tightening F-connectors (HEX 11). Integrated length scale from 5 to 20 mm, unlimited stripping range. TiN-coated blades.

**Part No. 30110**



Ø 4,8 - 7,5 mm | 3/16" - 19/64"



**SW11 - Top Coax**

Socket SW11mm made of high-strength, glass-fiber-reinforced plastic for tightening F-connectors (HEX 11). Perfect for extending the JOKARI Top Coax Part No. 30100

**Part No. 30101**



Never use tool on or near live electrical circuit!

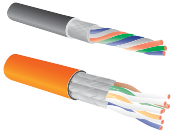


**No.1-Cat**

Designed for use on PVC-insulated data cables with thin insulation (e.g. Cat5, Cat6, Cat7, Twisted-Pair-Cable). Strip outer insulation and foil sheathing with one tool easily and quickly. No cutting depth adjustment required. TiN-coated blades.

**Part No. 30500**

Ø 3/16" - 3/8" | 4,5 - 10 mm



**PC-Cat**

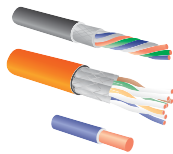
Special sheathing and insulation stripping tool for PVC-insulated data communication and controller connections (e.g. Cat5, Cat6, Cat7, twisted-pair, network, and thinly insulated cables). No cutting depth adjustment required.

TiN-coated blades. Pocket clip.

**Part No. 30161**

Ø 3/16" - 3/8" | 4,5 - 10 mm

AWG 24 | 22 | 18  
mm<sup>2</sup> 0,2 | 0,3 | 0,8



**PC-Strip**

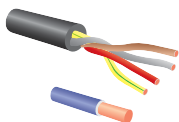
Special sheathing and insulation stripping tool for PVC-insulated data communications cables, control cables and various Ölflex-types. No cutting depth adjustment required.

TiN-coated blades. Pocket clip.

**Part No. 30160**

Ø 3/16" - 1/2" | 5 - 13 mm

AWG 24 | 22 | 18 | 16 | 14 | 12  
mm<sup>2</sup> 0,2 | 0,3 | 0,8 | 1,5 | 2,5 | 4,0







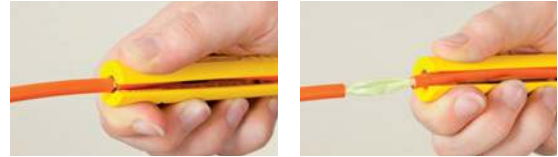
4 011391 307001



#### Fibre-Strip DC

Stripping tool for fibre optic cables, e.g. DAC – Direct Access Cable with diameter 7/32" | 5.9 mm. TiN-coated blades.

**Part No. 30700**



4 011391 308008



#### Fibre-Strip LC

Stripping tool to apply a longitudinal cut at the outer sheath of distribution cables, e.g. fibre optic cables I-VHH 24 x Singlemode with diameter 21/64" | 8.2 mm. Pocket clip.

**Part No. 30800**



4 011391 308107

#### Fibre Strip LC - PUR

Easy separating of the outer sheath by bilateral longitudinal cut for round cables with an diameter of 6 mm. Suitable for fiber-optic duplex cable with PUR insulation. Cut depth of blades ca. 1 mm which means that the tool is suitable for cable wall thickness of 1 mm without damaging the inner conductors. Application: fiber-optic duplex cable with PUR insulation.

**Part No. 30810**





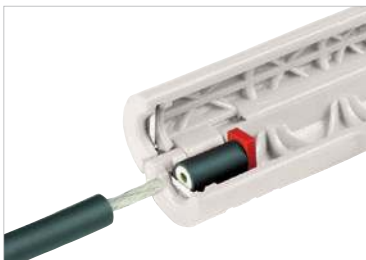


**CAN-Strip**

Developed while working on solutions for the aviation industry the CAN-Strip is the perfect tool to strip shielded Data Bus Twisted Pair wires with a thin PTFE coating. The outer diameter of the wire is limited to 3,5 mm.

The temperature-resistant wires have a characteristically thin sheathing that is cut with precise blades. By slightly snapping the sheathing will break at the cut and can be stripped off with the internal rubber pads of the CAN-Strip. The special design prevents the blades from penetrating the wire and damaging the inner sheathing.

**Part No. 30013**



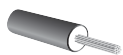
**SE-Strip**

Quick and precise stripping of all standard energy and security cables, double shielded solar cables, shortcircuit and grounding-proof, flameretardant, halogen free cables (e.g. NSGAFÖU, VER H07RN-F), with integrated length stop from 8 to 12 mm. Pocket clip.



**Part No. 30180**

1,5 mm<sup>2</sup> | 7,0 mm Ø  
AWG 16



**Part No. 30190**

2,5 - 6,0 mm<sup>2</sup> | 7,5 - 9,5 mm Ø  
AWG 14 - 10

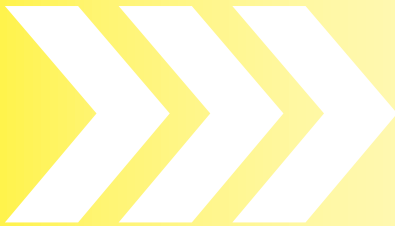


**Part No. 30200**

10/16 mm<sup>2</sup> | 11/13 mm Ø  
AWG 8|6



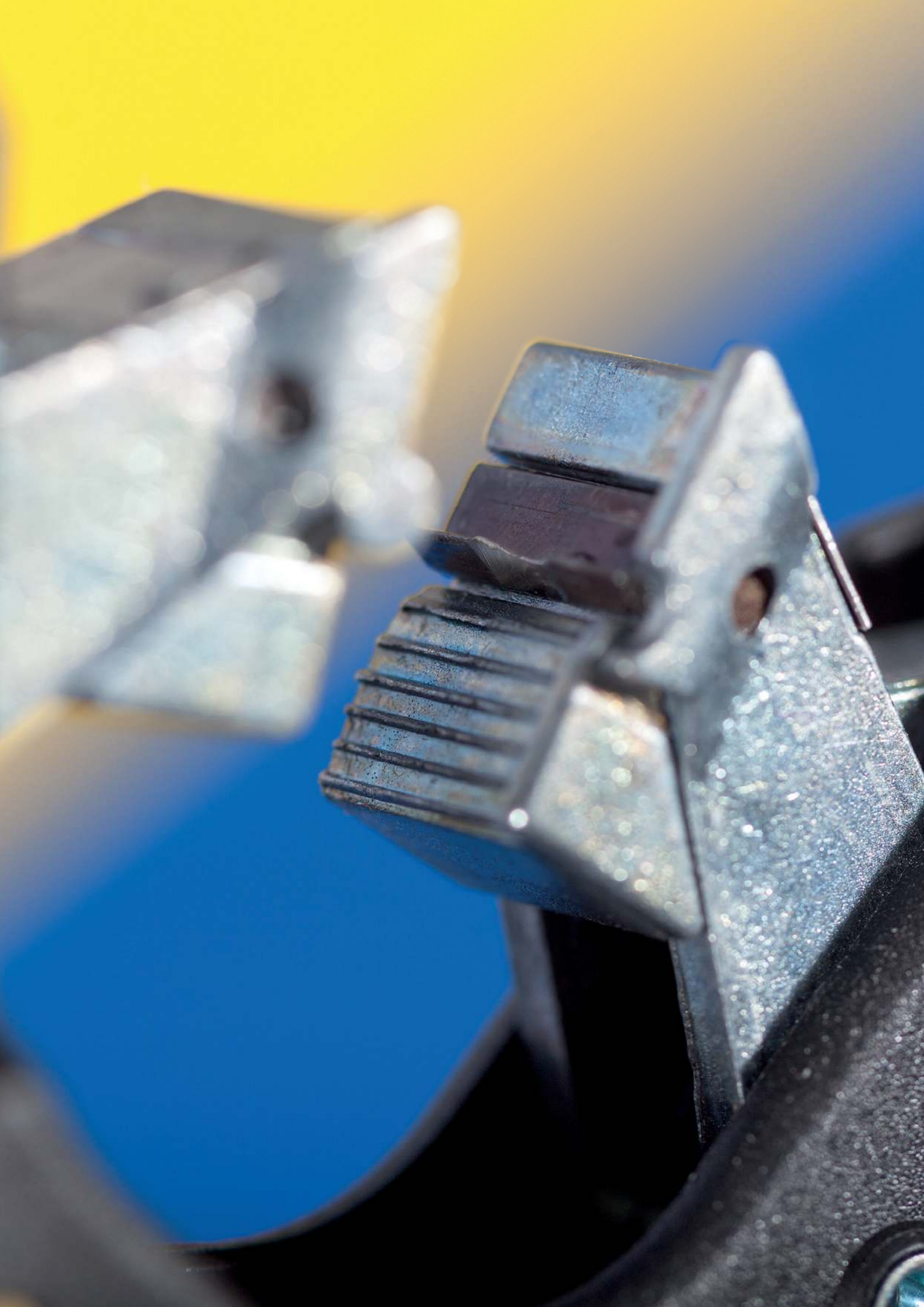
Never use tool on or near live electrical circuit!



## Wire Strippers

Many industrial applications require utmost precision and perfection from wire strippers. These specialist tools are indispensable helpers for all switchboard construction, mechanical and plant engineering and industrial cabling purposes. A JOKARI exclusive.

The automatic wire strippers convince with their light-weight fibreglass-reinforced polyamide construction for exceptional quality and high strength. They are developed to suit the needs across various industrial applications. Ergonomically designed for fatigue free, repetitive stripping they are easy and safe to use even in hard to reach places. Their long life and wear-proof quality will not fail to impress their users anew on every single day.



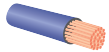




### Multi-Talent QUADRO

The unmatched integration of four different functions:  
Cutting – insulation stripping – twisting – crimping. The quick reloading of  
connector sleeves by switching magazines enables fast and efficient work.  
Magazines can be used for all standard end sleeves strips 0.5 - 2.5 mm<sup>2</sup>  
available in electrical wholesale.

**Part No. 61000**

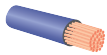


AWG 20 | 18 | 17 | 15 | 13  
mm<sup>2</sup> 0,5 | 0,75 | 1,0 | 1,5 | 2,5

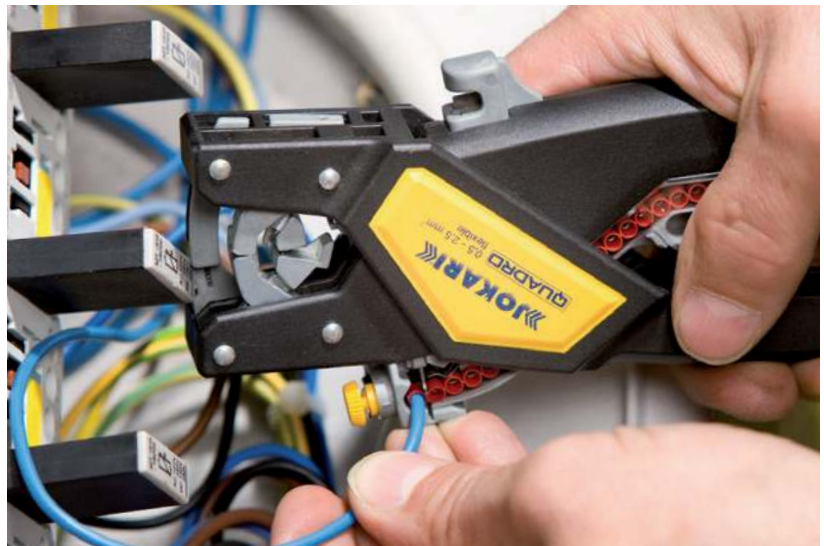




**QUADRO-Set**  
Multi-Tool and 3 magazines with  
end sleeve strips 0.5, 0.75, 1.0, 1.5  
and 2.5 mm<sup>2</sup>.  
**Part No. 60000**



AWG 20 | 18 | 17 | 15 | 13  
mm<sup>2</sup> 0,5 | 0,75 | 1,0 | 1,5 | 2,5

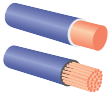


Never use tool on or near live electrical circuit!





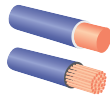
**Super 4 plus**  
 Ergonomic, automatic wire stripper for solid and stranded wires. No adjustment to diameter necessary. Wire cutter for cross section up to AWG 14 | 2,5 mm<sup>2</sup>. Adjustable length stop 6 - 15 mm. Hole for hanging loop. Exchangeable blades.  
**Part No. 20050**



AWG 24 - 10 | 0,2 - 6,0 mm<sup>2</sup>



**SECURA 2K**  
 Ergonomic, automatic wire stripper for solid and stranded wires. No adjustment to diameter necessary. Wire cutter for cross section up to AWG 14 | 2,5 mm<sup>2</sup>. Adjustable length stop 6 - 18 mm. Safe dual-compound handle design with soft, non-slip gripping zone. Exchangeable blades.  
**Part No. 20100**



AWG 24 - 10 | 0,2 - 6,0 mm<sup>2</sup>



Never use tool on or near live electrical circuit!

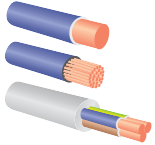




**No. 6-16<sup>2</sup>**

Ergonomic, automatic wire stripper for solid and stranded wires. No adjustment to diameter necessary. Also suitable for stripping the sheathing of PVC-Flex 3 x 0,75 mm<sup>2</sup> and solar cables with jointed cable sheathings (e.g. Solarflex®, Energyflex®). Stripping of any length possible due to open frame construction of handles. Exchangeable blades. Length scale printed on handle.

**Part No. 20090**



AWG 10 - 5 | 6 - 16 mm<sup>2</sup>

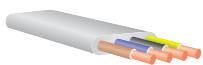
3 x 0,75 mm<sup>2</sup> PVC-Flex



**FKZ Flat Cable Stripper**

Automatic stripper for PVC-insulated flat twin and earth cables. Removes both the external sheathing and internal conductor insulation. A built-in wire bending hole for effective termination of conductors up to 2.5 mm<sup>2</sup>. No adjustment necessary. Exchangeable blades.

**Part No. 20030**



max. 1/2" | 12 mm  
AWG 18 - 10  
mm<sup>2</sup> 0,75 - 2,5



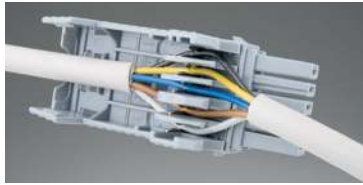
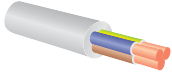


4 011391 202559



### Outlet Special 55

Wire stripper for de-insulating cable sections of 2.1/8" | 55 mm. Ideal for working in tight spaces, such as cable ducts, or the connecting system Cable Outlet. Cable types NYM AWG 16 | 3 x 1.5 mm<sup>2</sup> to 5 x 1.5 mm<sup>2</sup>.  
**Part No. 20255**



4 011391 202207



### Outlet Special 20

Wire stripper for de-insulating cable sections of 13/16" | 20 mm for connecting monitoring systems or potential equi-valuation purposes. Range: Selected round cable types from 19/64" - 11/32" Ø | 7.5 to 9 mm Ø, including coaxial cables, and shielded or unshielded monitoring or control cables (max. 1/16" | 1.65 mm insulation).  
**Part No. 20220**



**The Wire Strippers Sensor Special and Sensor Mini**

are tightly focussed to the needs of stripping the sheathing of sensor/actuator cables. With their new blade design the tools strip PVC/PUR cable sheathings precisely from cables as from 3,20 mm Ø (Sensor Mini) resp. 4,40 mm Ø (Sensor Special) without damages to the individual conductors or shieldings inside.

The innovative cable scanning system adjusts the stripping blades automatically to the various cable diameters.

So the stripping of the outer sheathing of cables for connecting Sensor/Actuator boxes or bus couplers is being done quickly and safely.



Qualified for use on:

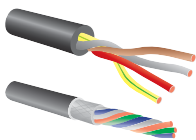
- PUR halogen-free cables
- Highly flexible TPE-U-cables
- PUR-cables
- PUR/PVC-cables
- PVC-cables
- Multi-stranded cables
- Shielded and non-shielded cables



**Sensor Mini**

The JOKARI Sensor Mini is layed out especially for small cable diameters as from 3,20 mm Ø.

**Part No. 20310**



Cable structure	multi-stranded cables
Round cables	3,20-4,40 mm Ø



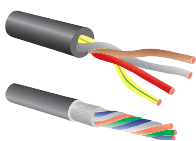
**from 3,20 mm Ø**



**Sensor Special**

The JOKARI Sensor Special is designed for use on larger cable diameters as from 4,40 mm Ø.

**Part No. 20300**



Cable structure	multi-stranded cables
Round cables	4,40-7,00 mm Ø



**from 4,40 mm Ø**

Never use tool on or near live electrical circuit!





4 011391 200708



### AS-Interface Special

Automatic wire stripper for AS-Interface cables with PUR or TPE insulation. Full protection for the internal conductors.

**Part No. 20070**



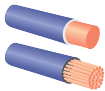
4 011391 204508



### High Strip

Ergonomic precision wire stripper for conductors with tough and difficult insulations such as rubber, silicone, TPE etc. Length stop adjustable from 5 - 15 mm. No adjustment to diameter necessary due to fixed blade diameters. Stripping of any length possible. Exchangeable blades.

**Part No. 20450**



AWG 20 | 18 | 16 | 13 | 11  
mm<sup>2</sup> 0,5 | 0,75 | 1,5 | 2,5 | 4,0



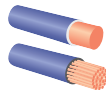
Never use tool on or near live electrical circuit!



**Special**

Ergonomic, automatic wire stripper for solid and stranded wires. No adjustment to diameter necessary. Wire cutter for cross section up to AWG 12 | 3,3 mm<sup>2</sup> (CU-wire). Adjustable length stop 5 - 18 mm. Exchangeable blades.

**Part No. 20060**



AWG 20 - 10  
mm<sup>2</sup> 0,5 - 6,0



**BKZ**

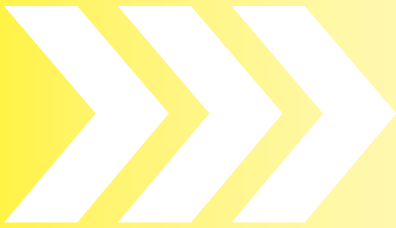
Special Wire Stripper for telecommunication broadband cables up to 18 mm Ø. Exchangeable blades.

Suitable for e. g. KxKs-iKx, -nKs, -qKs.

To dismantle in 3 simple steps the outer sheathing as well as the copper shielding below.

**Part No. 50000**





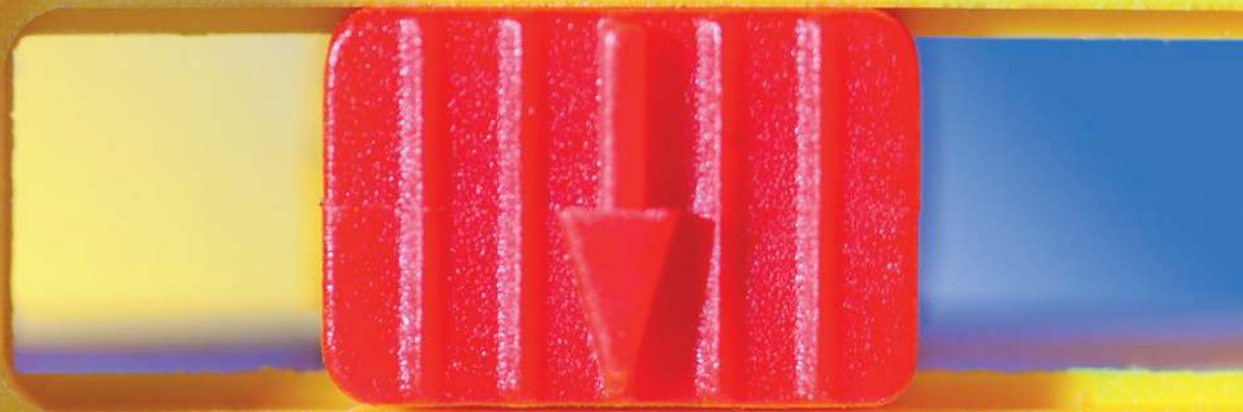
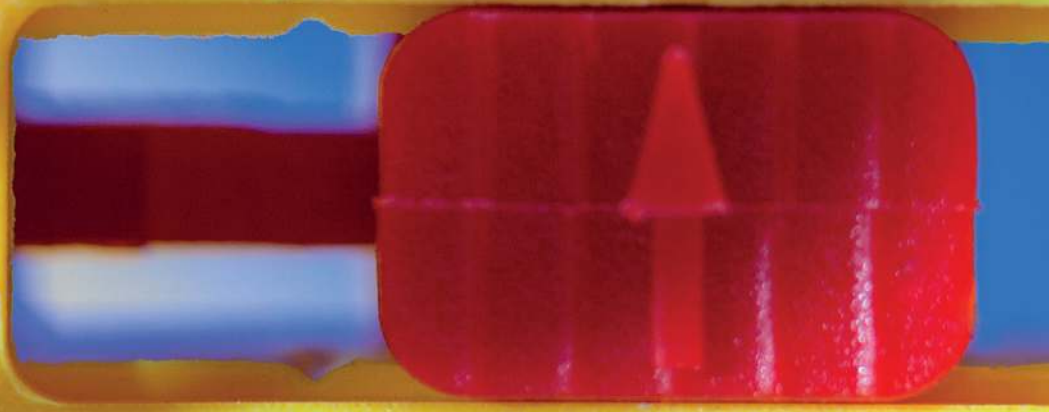
## Micro-Precision Wire Strippers

Fine and thin wires are in daily use in small batch production, prototype construction, quality control or after-sales service and are manually cut, stripped, soldered or assembled. In the house and building technology special tools are being used to avoid damages by stripping fine wires.

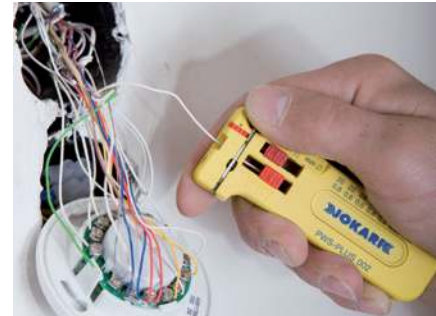
To cover these demands, JOKARI has designed a compact range of strippers, covering 18 types in 3 patterns. Lightweight, easy to handle, safe and exact: the JOKARI Micro Precision Wire Strippers combine these basic demands in an unique way.



,6 ,4 ,25  
,8 | ,5 | ,3 |



For electronic, telecommunications and modelling purposes. With adjustable length stop and integrated cutter for cable diameters of up to 0.8 mm Ø. Lightweight design. PWS-PLUS Series (yellow models) with adjustable stripping range and SWS-PLUS Series (grey models) with fixed stripping diameter. Ideal for PVC, TEFLON, KYNAR, TEFZEL, MYLAR cables with diameters from 0.12 to 1.00 mm Ø (36 - 18 AWG).



**PWS-PLUS Serie**



	Type	Part No.
0,12 to 0,40 mm Ø   AWG 36 - 26	PWS-PLUS 001	<b>40024</b>
0,25 to 0,80 mm Ø   AWG 30 - 20	PWS-PLUS 002	<b>40025</b>
0,30 to 1,00 mm Ø   AWG 28 - 18	PWS-PLUS 003	<b>40026</b>



**SWS-PLUS Serie**



	Type	Part No.
0,12 mm Ø   AWG 36	SWS-Plus 012	<b>40015</b>
0,16 mm Ø   AWG 34	SWS-Plus 016	<b>40035</b>
0,20 mm Ø   AWG 32	SWS-Plus 020	<b>40045</b>
0,25 mm Ø   AWG 30	SWS-Plus 025	<b>40055</b>



Never use tool on or near live electrical circuit!



0,30 mm Ø | AWG 28

SWS-Plus 030

40065



0,40 mm Ø | AWG 26

SWS-Plus 040

40075



0,50 mm Ø | AWG 24

SWS-Plus 050

40085



0,60 mm Ø | AWG 22

SWS-Plus 060

40095



0,80 mm Ø | AWG 20

SWS-Plus 080

40105



1,00 mm Ø | AWG 18

SWS-Plus 100

40115



Ideal for electronics and IT applications. Adjustable stripping diameter from 0.12 to 1.00 mm Ø (36 - 18 AWG). With length stopper and integrated cutting function for cables of up to 0.8 mm Ø. Made from special dissipative thermoplastic material.

ESD-PLUS Serie



0,12 to 0,40 mm Ø | AWG 36 - 26

ESD-Plus 001

Part No. 40027



0,25 to 0,80 mm Ø | AWG 30 - 20

ESD-Plus 002

Part No. 40028



0,30 to 1,00 mm Ø | AWG 28 - 18

ESD-Plus 003

Part No. 40029



Never use tool on or near live electrical circuit!



# Ideas



## JOKARI Extras

Here you find general information around JOKARI products such as spare parts and consumables available, user tips and tricks, as well as some more useful information around cable and wire stripping. All you need to optimize your sales and to select the right products.



# Service



All JOKARI products are designed to sustain a long tooling lifetime. The blades are made from high alloy special steel and are hardened and tempered with great care. However each kind of edges are subject to wear after extensive use. Therefore JOKARI has made available replacement blades for several of our products in case the need arises. **The exchange of blades is easy.**

**Cable Knives:** Open body (4 screws), take out old blade, insert new blade into support, close body.

**Wire Stripping Pliers:** as per video instruction. Open the file by scanning the corresponding QR-code on this page, or with your web browser.

**Micro Precision Wire Strippers:** Take off screw at front, take out old blade, insert new blade and fix screw again.

### For Cable Knives

Each JOKARI Cable Knife is supplied with a spare blade inside the handle. Additional spare blades are available. JOKARI Tools with external trimming knife have a loose protection cap. This cap is also available as spare part.

- Single blade** Part No. **19000**
- Set of 3 blades** Part No. **19000/3**
- Protection cap** Part No. **19580**



		19000	19000/3	19580	79055
10160	No. 16 Secura	x	x		
10162	No. 16 Standard	x	x		
10270	No. 27 Secura	x	x		
10271	No. 27 ISO	x	x		
10272	No. 27 Standard	x	x		
10280	No. 28 H Secura	x	x	x	
10281	No. 28 G Secura	x	x	x	
10282	No. 28 H Standard	x	x	x	
10285	No. 28 G Standard	x	x	x	
10350	No. 35 Standard	x	x		
10500	No. 50 Standard	x	x		
70000	System 4-70	x	x		x

### For Cable Stripper

Socket SW11mm made of high-strength, glass-fiber-reinforced plastic for tightening F-connectors (HEX 11). Perfect for extending the JOKARI Top Coax Part No. 30100

**SW11 Top Coax** Part No. **30101**



### For Wire Stripping Pliers

Spare Blades for JOKARI Wire Stripping Pliers have to be replaced as a full set. Spare blade sets are available for most pliers, please use spare parts no.s listed below.



Set Blades Part No.

20030	FKZ	29030
20050	Super 4 plus	29050
20070	AS-Interface Special	29070
20090	No. 6-16 <sup>2</sup>	29090
20100	Secura 2K	29100
20300	Sensor Special	29300
20310	Sensor Mini	29310

Scan for instructions



20030 Flat Cable Stripper



20050 Super 4 plus



20070 AS-Interface Special



20090 No. 6-16<sup>2</sup>



20100 Secura Soft Grip



20300/20310 Sensor Mini

### For Mikro Precision Wire Strippers

The swiveling lever blade is fixed by a screw and can easily be replaced.

**Part No. 46025**



### For QUADRO

Available are the empty magazine as well as strips of end sleeves.



	Color	Box unit TTTTTT x T	Part No.
Magazine, empty			60100
End sleeve strip 0,5 mm	White	10 x 50	60150
End sleeve strip 0,75 mm	Grey	10 x 50	60175
End sleeve strip 1,0 mm	Red	10 x 50	60110
End sleeve strip 1,5 mm	Black	10 x 50	60115
End sleeve strip 2,5 mm	Blue	10 x 40	60125



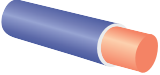
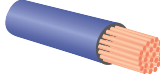
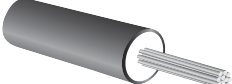
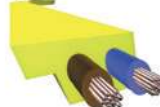
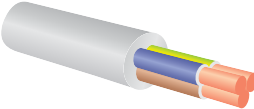
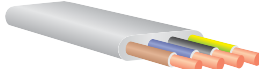
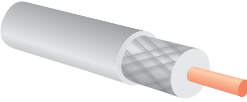
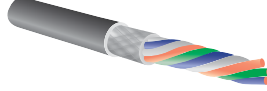
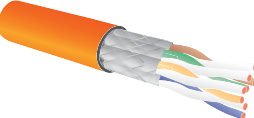
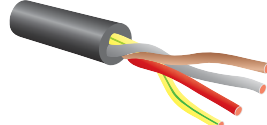
### AWG Metric Comparison Table

AWG sizes refer to solid wire.

The diameter of twisted wires can exceed the diameter of solid wires by up to 20%.

AWG Ø	cross section mm <sup>2</sup>	Ø mm	AWG Ø	cross section mm <sup>2</sup>	Ø mm	AWG Ø	cross section mm <sup>2</sup>	Ø mm	AWG Ø	cross section mm <sup>2</sup>	Ø mm
4/0	102,22	11,68	8	8,37	3,26	19	0,65	0,91	30	0,051	0,25
3/0	85,01	10,40	9	6,63	2,91	20	0,52	0,81	31	0,040	0,23
2/0	67,43	9,27	10	5,26	2,59	21	0,41	0,72	32	0,032	0,20
1/0	53,48	8,25	11	4,17	2,30	22	0,33	0,64	33	0,025	0,18
1	42,41	7,35	12	3,31	2,05	23	0,26	0,57	34	0,020	0,16
2	33,62	6,54	13	2,63	1,83	24	0,21	0,51	35	0,016	0,14
3	26,67	5,83	14	2,08	1,63	25	0,16	0,46	36	0,013	0,13
4	21,15	5,19	15	1,65	1,45	26	0,13	0,40	37	0,010	0,11
5	16,77	4,62	16	1,31	1,29	27	0,10	0,36	38	0,008	0,10
6	13,23	4,12	17	1,04	1,15	28	0,081	0,32	39	0,006	0,09
7	10,55	3,67	18	0,82	1,02	29	0,064	0,29	40	0,005	0,08

### JOKARI cable symbols

	Insulated solid conductor.		Flexible, twisted conductor.
	Solar cable with external insulation layer.		AS-Interface cable.
	Cables for building installation, multicore cables for fixed installation, flexible cables, damp-proof installation cables, e. g. NYM, NYY.		Multicore flat installation cables, e.g. NYIF-J.
	Coax Cables for audio, video and TV, network coax cables.		Data communication cables, ethernet cables, sensor and actuator cables, shielded and non-shielded.
	Cat data communication cable.		Oil resistant flexible control and power cable.

### JOKARI product information symbols

#### Titan-Nitride coatings(TiN)

- Quicker cut
- Longer lifetime and less blade wear
- Less friction
- Better cutting quality

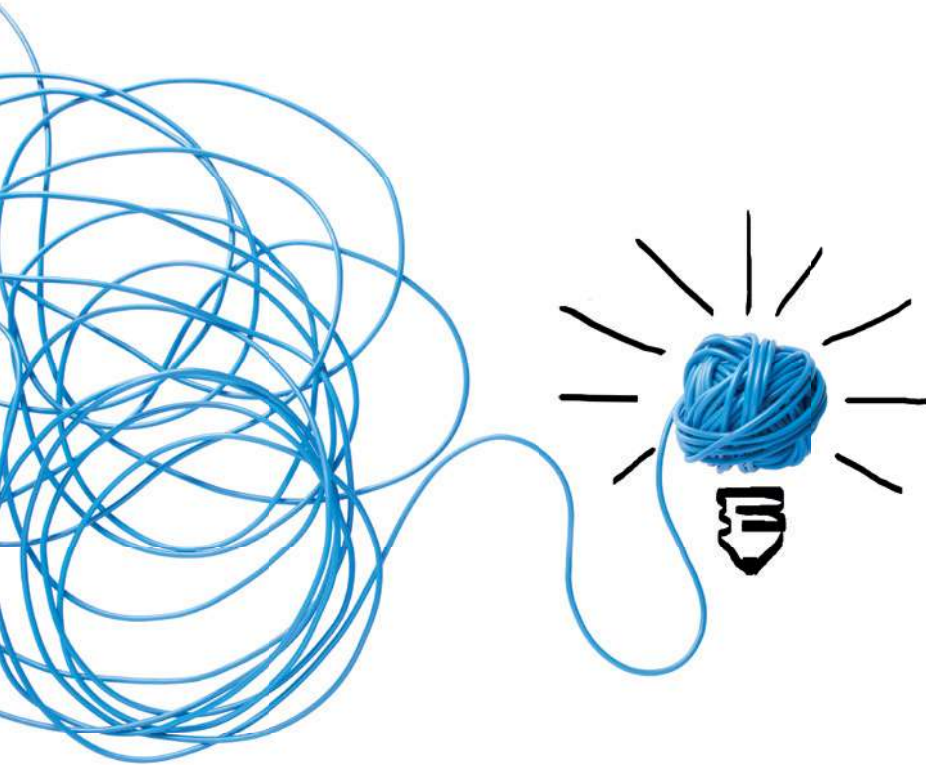
	TiN coated inner blade	
	TiN coated hook blade	
	TiN coated cable stripper knives	



#### Multifunctional protector cap

- High safety during use
- Safe handling due to protector cap “click” function
- Integrated hanging hole for tool storage
- Screw driver function for easy blade adjustment





## Working with JOKARI

### Cable Knives

JOKARI cable knives consist of 3 functional parts: the ergonomic **handle** offers a fine grip and safe and exact cable guidance.

The self-retaining **cable guide clip** presses the cable sheathing reliably to the swivelling **inner knife blade** and ensures with the shaped handle end an exact guidance of the cable during round and longitudinal cutting.

Adjust cutting depth of the stripping knife to sheathing thickness by turning the adjustment wheel. After insertion of the cable slightly press the cable guide clip to the cable to scratch the sheathing surface. The knife blade is pivot-mounted inside the handle and the knife design ensures that the blade follows the cutting direction automatically without resetting the tool when changing from round to longitudinal cut. Start with a single round cut, then move the knife alongside the cable to its end.

Break the sheathing easily at the round notch by bending the cable end up and down, detach sheathing, finished. Some patterns optionally are equipped with a trimming knife blade to cut open packages, boxes, strips, cords etc.

### Cable Strippers

The pipe-shaped cable strippers are equipped with 1 or more pairs of cutting knives fixed inside the working heads, depending on application. The use is always the same: open half-pipes by unlocking the catch, insert cable, close half-pipes with slight pressure. Then rotate tool a quarter turn to the left and the right, open tool again, position the blades beside the round notch towards the end, break the sheathing by bending the cable end up and down and tear off sheathing with the tool. Some patterns offer the option to strip conductor insulations by using cross section related stripping notches. Some patterns contain a separate blade for longitudinal cuts. Insert cable in the cable guide, close half-pipes and move tool in a slight angle alongside the sheathing. It is even possible to strip longer sections as the cable can protrude the pipes at full length.

### Wire Stripping Pliers

Stripping Pliers are designed to either strip the cable sheathing or the wire insulation. JOKARI Pliers are being offered for different conductors, insulation types and cable sheathings. All pliers either adjust themselves automatically to the conductor cross section or work with precisely ground, size related stripping blades.

### Micro Precision Wire Strippers

Made for conductor diameters from 0,12 to 1,0 mm resp. 36 to 18 AWG. The conductors are automatically held in a centered position, the precisely ground knives cut through the insulation surface easily by thumb pressure. Tear stripper away from wire, finished. Available either with blades for individual wire diameters or adjustable by a slider to 6 different diameters. Also available is a version for ESD-use in electrostatic protected areas.

## JOKARI - ultimate Sales Support

Sales support at JOKARI is a multi-faceted matter. The aim is to provide the JOKARI dealership with the best possible direct or indirect support to keep the brand JOKARI as strong as it is and to always be present at the user. JOKARI follows this intention since many years and constantly improves and develops things further. To be a premium brand - and to keep this approach also in the future, this attitude is only possible with satisfied users and through satisfied dealers.

### See. Feel. Buy. The JOKARI Sample Case

The JOKARI sample cases give the tools into the hands of your customers. Ask for details.



### Hear. Talk. Experience. The JOKARI Exhibitions

Users can experience JOKARI on many exhibitions. We demonstrate and present new and known products. We show how to best handle the tools. We tell where to buy. We listen to the user at the front. We implement what is reasonable.

### Teach. Share. Learn. The JOKARI Training Courses

We share our Know-How with the sales consultants of our customer. We train customer's staff at customer's location using professional presentations and under practical and typical conditions of use.



### Present. Inform. Sell. The JOKARI Blister Cards

As POS-support the JOKARI blister card provides the user with all relevant product information in a compact layout. Short description, easy to understand cable graphics with dimensional details, application photos all at the front, illustrated multi-language instructions of use at the rear, plus QR-Code linking direct to our application videos.

Surf. Download. Skype.  
JOKARI Digital



- Surf, download, skype, twitter
- Video instructions for correct use and easy exchange of stripping blades
- JOKARI cable data base
- QR-Codes
- JOKARI's Wiki
- JOKARI Facebook Forum
- Video phone by Skype

The consequent use of popular multimedia components makes the access to information free of barriers and immediate - for the trade like for the user.





## You want to have a look at your JOKARI tool working properly?



Just scan the corresponding QR-code in our catalogue or on our blistercard and look. Or visit [www.jokari.de](http://www.jokari.de), click to the product and it's video.

The screenshot shows the JOKARI website interface. At the top, there is a navigation bar with the JOKARI logo and menu items: PRODUKTE & LÖSUNGEN, AKTUELLES, SERVICE & NUTZEN, ÜBER JOKARI, and KONTAKT. Below the navigation bar is a large image of the Multitalent QUADRO tool. The product title is "Multitalent QUADRO" with a "Merken" button. Below the title is a short description: "Ergonomische Abisolier- und Crimpzange für Litzen von 0,5 bis 2,5 mm² (AWG 20 - 14) mit 4 integrierten Funktionen (Schneiden-Abisolieren-Verdrillen-Crimpen)". There are several small images showing the tool in use. To the right of the images is a list of features:

- 0,5 - 2,5mm² | AWG 20-13
- Beispielhafte Integration von vier Funktionen in einer Abisolier- und Crimpzange,
- die perfekte Synthese aus Ergonomie und Funktionalität,
- Vier Funktionen für schnelles und präzises Arbeiten: Schneiden - Abisolieren - Verdrillen - Crimpen,
- ein schnelles Nachladen der Bandware in wenigen Sekunden durch einfachen Magazinwechsel gewährleistet rationelles Arbeiten,
- eine hohe Übersetzung ermöglicht ein ausgesprochen leichtes Verkrimpen der Aderendhülsen,
- Arbeitsbereich von 0,5 bis 2,5 mm²,
- ein Einstellen auf den Leiterquerschnitt ist nicht erforderlich,
- TÜV / GS-geprüft
- passgenauer Längenanschlag für gleichmäßige Abisolierungen,
- integrierter Seitenschneider für Drähte bis max. 2,5 mm²,

## The JOKARI cable database – thousands of cables with one click



Which tool is best to strip that cable professionally? The JOKARI cable database will answer this question. The user enters the available cable type and the database looks for the optimal tool in seconds.

JOKARI offers more than 70 tools for stripping wires. The database supports the user to find fast and easy solutions. Anytime and anywhere accessible via Internet, the database helps to find a professional stripping solution. The use of the database is very simple:

At <http://wire.jokari.de> the user enters the name of the cable and the key-word-search suggests

a cable list. From that list, the user selects the suitable cable type and the result is a tool recommendation plus a detailed description with text and photo. A link to the homepage [www.jokari.de](http://www.jokari.de) offers additional information and often an application video.

As new cables are developed permanently, the database will be constantly updated in dialog with users.

If a cable is not on our list, JOKARI will add this to the database with your help! Just send a message with information about the cable type or name and number of inner conductors and the cross-section via Facebook, email, fax or phone.

<http://wire.jokari.de>

- free cable database with thousands of records
- find the best JOKARI tool within seconds
- anytime, anyplace accessible via internet



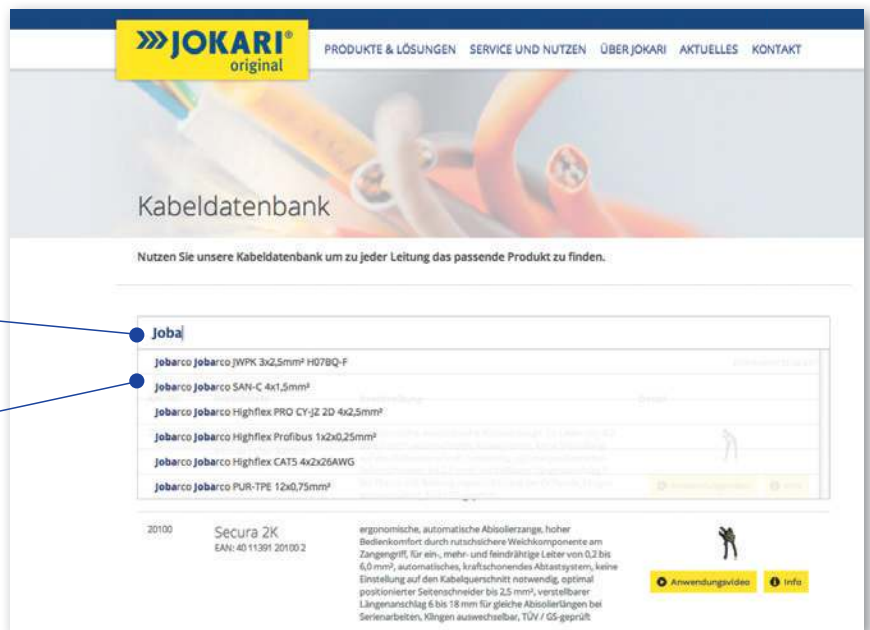
your JOKARI cable database  
Ihre JOKARI-Kabeldatenbank

It's just that easy:



Enter the cable type information into the search box.

The keyword search of the dynamic search machine shows already during the input a choice of cables. The more you complete the search information, the finer the search is working. If necessary, scroll through the offered cable types, mark the correct type and click the left mouse button ...

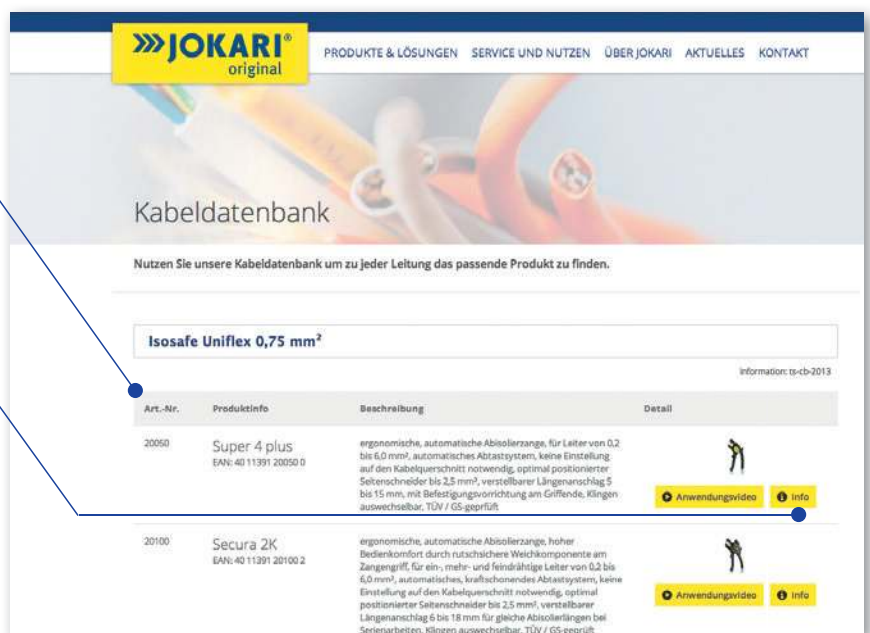


... and the recommended product or products are showing up.



If more information is required, click of more info >>

Your cable is not listed? Open our contact form by mouseclick, write your message or provide us with a test sample of your cable. We will consult you individually as quickly as possible.



## JOKARI 's WIKI – What is what?

### AS-Interface Cable (AS-i)

Industrial cable with internationally standardized square, step-shaped design and dimensions, made from a very tough PUR or TPE sheathing around 2 insulated conductors. Used in field bus communication, mainly as Actuator/Sensor system based on EN 50295 and IEC62026-2. For stripping the sheathing the JOKARI AS Interface Stripping Plier 20070 is recommended.

### Cable diameter

The size of a cable is defined by the maximum diameter at the outside of the sheathing and can be measured in millimeter and inches.

### Cable (Dismantling) Knife

The construction of a modern Cable Knife comprises usually of a plastic handle, a cable holding device and a knife blade to slit the cable sheathing with a round cut.

### Cable Stripper

JOKARI Cable Strippers provide two half-pipe plastic bodies, which are linked on one long side with hinges. Stripping blades will either be on one or both ends of the cable stripper depending upon the pattern and style. After opening a closing catch, the body opens alongside, and the cable can be inserted by placing the knives at the position, where the insulation has to be cut. Closing the body applies a slight pressure to the knives cutting into the sheathing. After the blades have cut the outer sheathing, simply rotate the body of the cable stripper a quarter turn to the left and right. This prepares the sheathing to be broken and to be pulled off. Some Cable Strippers offer 2 sets of blades to work on coaxial cables with one tool, and some Cable Strippers offer additional wire stripping notches. Common to all is that there is no need to adjust the tools to cable and wire diameter.

### Cable Stripping

Round and Flat Cable consist of some insulated conductor wires, which are coated by a plastic or rubber sheathing. To get the conductors ready for an electrical connection, the sheathing has to

be taken off the cable end to expose the conductors. For stripping a cable sheathing we recommend JOKARI Cable Knives, Cable Strippers and some Stripping Pliers.

### CAT cable

These are twisted pair cables (cables with twisted pairs), which are usually referred to as network cables.

These lines used for message transmission are distinguished in categories which classify the transmission capacity of the line. Currently (2017) of Cat-1 with a bandwidth of only 0.4 MHz up to Cat-8 with a bandwidth up to 2000MHz. In order to achieve these high transmission rates, the four twisted pair pairs are shielded individually with a foil (Screened / Foiled-shielded Twisted Pair S / FTP) for Cat-7 cable types. This minimizes unwanted interactions between the wire pairs.

For the cables of categories 1-6, it is primarily important to remove the outer sheath so that the shield or one of the inner conductors is not damaged in any way. This can be done very well with the help of the JOKARI PC-CAT (part no. 30161). It has not only blades that are specially adjusted for the outer coverings of the network cables, but can also be used in the rare cases where the inner conductors (0.5 to 0.8mm<sup>2</sup>) also need to be stripped, this can be made with the small blades at the side of the stripper.

The four pairs of wires of the Cat-7 and higher classes are also shielded by a foil. In cases where it is necessary to shorten this for all conductor pairs to the same length, the JOKARI No.1 Cat (part no. 30500) is an effective solution. With the help of the special blades indicated on the second side (marked with 2 points), the foil can be easily scored so that the foil can be easily removed in one pull.

### Coaxial Cable

Coaxial Cables are consisting of a pair of concentric positioned conductors. The inner conductor can be either solid or stranded. It is covered by a dielectric insulation material, around which the second conductor in form of an aluminum foil or mesh protects the inner con-

ductor against parasitic induction. This shielding is covered by a second insulation sheath. Coax cables are used for a distortion-free transfer of high frequency bandwidth transfer signals, e. g. in cable-TV or ethernet systems.

The Secura No. 1 (part no. 30600) strips both, the outer sheathing and shielding as well as the dielectric insulation to prepare a professional connection to coax plugs and connectors.

### Conductor

A conductor consists of one or more metal wires inside an insulation layer to transport electrical energy. The international standard IEC 60228 defines all criteria around conductors, amongst them the various basic types: class 1 - solid, class 2 - stranded for fixed installation, Class 5 - flexible and class 6 - very flexible. Conductors can be used alone or assembled from 2 and more inside a sheathing as a cable.

### Conductor cross section (AWG)

AWG means „American Wire Gauge“ and is being used mainly in the USA. Like the metric cross section AWG defines the frontal area of the individual wires of conductors. AWG numbers become smaller, the larger the diameters are. The differences between solid and twisted wires in AWG are larger than in millimeter units, and AWG sizes do not exactly match European metric wires. Therefore our AWG indications are only as near as possible to the basic metric figures.

### Conductor cross section (mm<sup>2</sup>)

The size of a conductor is defined by the frontal cross section of the metallic part of the wire, without insulation. Contrary to a solid wire, the cross section of stranded wires is the addition of the individual cross sections of all the fine wires forming the stranded string. As this string also contains some spaces between the fine wires, a stranded wire may be up to 20% larger in diameter than a solid wire with same cross section. In Europe the cross section usually is indicated by „mm<sup>2</sup>“.

### Conductor, flexible, Class 5

Assembled from a greater number of



individual, finer wires, the conductor respectively the final cable are used, wherever the cable needs to be much more flexible, but also a good stability is needed, e. g. to connect fixed equipment like ma-chines, larger household equipment etc to mains.

#### **Conductor, solid, Class 1**

Made of a single, solid wire, usually copper, which is insulated by a plastic insulation layer. A set of 2 or more conductors form a sheathed multicore cable. Used e. g. in building installation and other surroundings, where a strong and comparatively rigid cable construction is required.

#### **Conductor, stranded, Class 2**

Used for fixed installation purposes, it consists of a number of thinner wires, which are stranded to a string, which is more flexible than a solid conductor.

#### **Conductor, very flexible, Class 6**

Built from still finer wires, this conductor type is being used for cables, installed at all movable electrical equipment, e. g. from TV to hair blowers.

#### **Data Cable**

Used for transmitting data files with usually low electrical energy. These cables often have rather thin sheathing due to low requirements to the insulation properties. They either have one insulated stranded conductor with a larger diameter, or a set of thinner, insulated flexible stranded wires, twisted around inside a sheathed cable, which can transport different data parallel and separate from each other. Some cables feature an additional metal or plastic shielding foil, which can protect against external influences, but this is not a must for all applications. Other types of data cable has each of its insulated conductors carrying an individual shielding foil. Some JOKARI Cable Strippers are layed out for the individual demands of the various types and specifications of data cables.

#### **Detection cable**

A fire detection cable is a special type of telecommunication cable. The description BMK - JY (ST) Y already suggests this. This red PVC cable is predominantly used in the area of the

message transmission of fire detectors, call stations, extensions and measured values and is inscribed on its jacket as a fire detection line.

Most fire detection cables can be stripped very well with the JOKARI SECU-RA Coaxi No. 1. This cable stripper 30600, which was originally developed for the stripping of coaxial cables, is particularly suitable since its blade adjustment makes it easy to remove the resistive outer jacket of the fire detection cables.

#### **ESD**

Abbreviation for Electrostatic Discharge. ESD marks the international standard for the complex topic of „Protection of electronic components from electrostatic discharge“. Numerous production departments of the electronics industry must be protected against electrostatic influences. Among other things, the use of tools is required, whose static energy can be derived by the special plastic. JOKARI offers the ESD-Plus micro strippers for this purpose.

#### **KNX cable**

KNX is a fieldbus used in the building installation. With this successor of the EIB bus, not only lighting, blinds and heating systems can be controlled, but also HTML, LAN, and video signals can be transmitted in the latest KNX version. The KNX line is the bus line used for this (usually a Y (ST) Y (2x2x0.8)) There are different possibilities to strip KNX. One of the fastest possible ways to remove the outer jacket is to use the JOKARI Sensor Special (part no. 20300). Another solution is the use of a cable stripper like the JOKARI Allrounder (part no. 30900).

#### **Profibus?**

The Profibus (Process Field Bus) is a transfer standard in automation technology. There are three variants of this fieldbus: PROFIBUS DP (Distributed I/O), PA (process automation) and FMS (Fieldbus Message Specification). This standard is used, for example, to control sensors and actuators by means of a central control in production.

Since Profibus cables are usually two-core cables, the outer diameter is quite small. The JOKARI PC-Strip (part no.

30160) is the recommended cable stripper to remove the outer jacket. In most cases, connection systems are used here for which stripping of the inner conductors is not necessary. However, should this be required, the JOKARI micro-precision strippers are very well suited for this purpose e.g. PWS-Plus 002 (part no. 40025).

#### **Sensor Cable**

Sensor Cable is being used greatly in manufacturing systems engineering. It can be found in the robotics and logistics industries. The operating conditions are often difficult, as the cables are being exposed to dirt, humidity, aggressive materials, hot or cold temperatures and extensive movements. Due to these extremes, the demands to the cable sheathing und conductor insulation materials are extreme as well. These cables can be highly resistant, flexible and tough. They use materials such as PUR, halogen-free PUR, or TPE. These can be stripped by specially designed strippers – a speciality of JOKARI.

#### **Wire Stripping**

The insulation material of an electrical conductor wire is being pulled off to enable a clean electrical connection. Suitable tools are JOKARI Wire Stripping Pliers and Micro-Precision Wire Strippers. Also some JOKARI Cable Strippers are equipped with additional wire stripping notches.












#### **Wire Stripping Plier**

Traditionally, a Pair of Pliers consists of a pair of grips, which are pivoting around a centered bolt. The one side of the tool form the handles, the other the working head. The working head of JOKARI Stripping Pliers contains a lever construction, which in one move of the user's hand presses cutting knives onto the cable sheathing and pulls the sheathing off from the conductors inside. JOKARI has Stripping Pliers that automatically adjust to the cable needs as well as manual adjustment variations.



Cable and wire types listed in this table are typical application examples and support to find the right tool. In most cases the tools can be used at similar or related cable and wire patterns as well.



Cable types											
Cable dimensions	part no.   page	part no.   page	part no.   page	part no.   page	part no.   page	part no.   page	part no.   page	part no.   page	part no.   page	part no.   page	part no.   page
<b>Cable Knives</b>											
4-16 mm 5/32"-5/8" Ø	10160   9										
	10162   8										
8-28 mm 5/16"-1.1/8" Ø	10270   9										
	10271   11										
	10272   8										
	10280   9										
	10281   9										
	10282   8										
	10285   8										
27-35 mm 1.5/64"-1.1/2" Ø	71000   6										
35-50 mm 1.3/8"-1.15/16" Ø	71000   6										
50-70 mm 1.97"-2.75" Ø	71000   6										
<b>Cable Stripper</b>											
4-13 mm 5/32"-1/2" Ø	30900   16		30900   16					30900   16		30900   16	
8-13 mm 5/16"-1/2" Ø	30120   14										30155   13
	30155   13										30400   16
	30900   16										
8-15 mm 5/16"-19/32" Ø	30400   16										30400   16
	30900   16										30900   16
PVC-Flex 3,0x0,75 mm <sup>2</sup> Ø	30600   18										30900   16
4,8x7,5 mm 3/16"-19/64" Ø			30100   18								
			30600   18								
4,5-10 mm Ø					30161   19					30161   19	
					30500   19					30500   19	
							30900   16	30900   16	30900   16		
5-13 mm 3/16"-1/2" Ø	30160   19				30160   19						30160   19
Flat Cable to 12 mm width		30140   14									
Flat Cable to 15 mm width		30900   16									
Solar Cable 1,5 mm <sup>2</sup>				30180   21							
Solar Cable 2,5-6 mm <sup>2</sup>				30190   21							
Solar Cable 10/16 <sup>2</sup>				30200   21							
1,5-50 mm <sup>2</sup>								30900   16			
<b>Wire Stripping Pliers</b>											
0,2-6 mm <sup>2</sup> AWG 24-10							20050   26	20050   26			
							20100   26	20100   26			
0,5-6 mm <sup>2</sup> AWG 20-10							20060   31	20060   31			
0,75-2,5 mm <sup>2</sup> AWG 18-10							20030   27	20030   27			
6-16 mm <sup>2</sup> AWG 10-5							20090   27	20090   27			
Sensor Cable 3,20-4,40 mm Ø					20310   29						
Sensor Cable 4,40-7,00 mm Ø					20300   29						
Flat Cable to 12 mm width		20030   27									
AS-Interface Cable						20070   30					
Special Insulation 0,5-4 mm <sup>2</sup> (rubber, silicone, TPE etc.)							20450   30	20450   30			
Flex. Control + Power Cable to 3x1,5 mm <sup>2</sup> /Ø 6,7 mm											20300   29
<b>Micro Precision Wire Strippers</b>											
0,12-0,40 mm Ø AWG 36-26							40024   34	40024   34			
							40027   35	40027   35			
0,25-0,80 mm Ø AWG 30-20							40025   34	40025   34			
							40028   35	40028   35			
0,30-1,00 mm Ø AWG 28-18							40026   34	40026   34			
							40029   35	40029   35			

Part No.	Produkt	Seite	Produkt	Part No.	Seite
10160	No. 16 Secura	9	Allrounder	30900	16
10162	No. 16 Standard	8	AS-Interface Special	20070	30
10270	No. 27 Secura	9	BKZ	50000	31
10271	No. 27 ISO	11	Cable bracket No.16	79016	6
10272	No. 27 Standard	8	Cable bracket No.28	79028	6
10280	No. 28 H Secura	9	Cable bracket No.35	79035	6
10281	No. 28 G Secura	9	Cable bracket No.50	79050	6
10282	No. 28 H Standard	8	Cable bracket No.70	79070	6
10285	No. 28 G Standard	8	Can-Strip	30013	21
10350	No. 35	10	End sleeve strip 0,5	60150	38
10355	No. 35 P	11	End sleeve strip 0,75	60175	38
10500	No. 50	10	End sleeve strip 1,0	60110	38
10700	No. 70	10	End sleeve strip 1,5	60115	38
19000	Single blade for Cable Knives	38	End sleeve strip 2,5	60125	38
19000/3	Set of 3 blades for Cable Knives	38	ESD-PLUS 001	40027	35
19580	Protection cap	38	ESD-PLUS 002	40028	35
20030	FKZ Flat Cable Stripper	27	ESD-PLUS 003	40029	35
20050	Super 4 plus	26	Fibre Strip DC	30700	20
20060	Special	31	Fibre Strip LC-PUR	30810	20
20070	AS-Interface Special	30	FKZ Flat Cable Stripper	20030	27
20090	No. 6-16 <sup>2</sup>	27	Locator-System	30910	17
20100	Secura 2K	26	No. 14 Strip	30140	14
20220	Outlet Special 20	28	No. 16 Secura	10160	9
20255	Outlet Special 55	28	No. 16 Standard	10162	8
20300	Sensor Special	29	No. 1-Cat	30500	19
20310	Sensor Mini	29	No. 27 ISO	10271	11
20450	High Strip	30	No. 27 Secura	10270	9
29030	Spare Blades for 20030	38	No. 27 Standard	10272	8
29050	Spare Blades for 20050	38	No. 28 G Secura	10281	9
29070	Spare Blades for 20070	38	No. 28 G Standard	10285	8
29090	Spare Blades for 20090	38	No. 28 H Secura	10280	9
29100	Spare Blades for 20100	38	No. 28 H Standard	10282	8
29300	Spare Blades for 20300	38	No. 35	10350	10
29310	Spare Blades for 20310	38	No. 35 P	10355	11
30013	Can-Strip	21	No. 50	10500	10
30101	SW11 - Top Coax	18	No. 6-16 <sup>2</sup>	20090	27
30110	Top Coax Plus	18	No. 70	10700	10
30120	Universal Stripper No. 12	14	Outlet Special 20	20220	28
30140	No. 14 Strip	14	Outlet Special 55	20255	28
30155	Secura No. 15	15	PC-Cat	30161	19
30160	PC-Strip	19	PC-Strip	30160	19
30161	PC-Cat	19	Protection cap	19580	38
30180	SE-Strip 1,5	21	PWS-PLUS 001	40024	34
30190	SE-Strip 2,5-6	21	PWS-PLUS 002	40025	34
30200	SE-Strip 10/16	21	PWS-PLUS 003	40026	34
30400	UNI-PLUS	16	QUADRO	61000	24
30500	No. 1-Cat	19	Quadro-Magazine, empty	60100	38
30600	Secura Coaxi No. 1	18	QUADRO-Set	60000	25
30700	Fibre Strip DC	20	Secura Coaxi No. 1	30600	18
30810	Fibre Strip LC-PUR	20	Secura No. 15	30155	15
30900	Allrounder	16	Secura 2K	20100	26
30910	Locator-System	17	Sensor Mini	20310	29
40015	SWS-PLUS 012	34	Sensor Special	20300	29
40024	PWS-PLUS 001	34	SE-Strip 1,5	30180	21
40025	PWS-PLUS 002	34	SE-Strip 2,5-6	30190	21
40026	PWS-PLUS 003	34	SE-Strip 10/16	30200	21
40027	ESD-PLUS 001	35	Set of 3 blades for Cable Knives	19000/3	38
40028	ESD-PLUS 002	35	Single blade for Cable Knives	19000	38
40029	ESD-PLUS 003	35	Spare Blades for 20030	29030	38
40035	SWS-PLUS 016	34	Spare Blades for 20050	29050	38
40045	SWS-PLUS 020	34	Spare Blades for 20070	29070	38
40055	SWS-PLUS 025	34	Spare Blades for 20090	29090	38
40065	SWS-PLUS 030	35	Spare Blades for 20100	29100	38
40075	SWS-PLUS 040	35	Spare Blades for 20300	29300	38
40085	SWS-PLUS 050	35	Spare Blades for 20310	29310	38
40095	SWS-PLUS 060	35	Spare Blades for Mikro-Abisolierer	46025	38
40105	SWS-PLUS 080	35	Special	20060	31
40115	SWS-PLUS 100	35	Super 4 plus	20050	26
46025	Spare Blades for Mikro-Abisolierer	38	SW11 - Top Coax	30101	18
50000	BKZ	31	SWS-PLUS 012	40015	34
60000	QUADRO-Set	25	SWS-PLUS 016	40035	34
60100	Quadro-Magazine, empty	38	SWS-PLUS 020	40045	34
60110	End sleeve strip 1,0	38	SWS-PLUS 025	40055	34
60115	End sleeve strip 1,5	38	SWS-PLUS 030	40065	35
60125	End sleeve strip 2,5	38	SWS-PLUS 040	40075	35
60150	End sleeve strip 0,5	38	SWS-PLUS 050	40085	35
60175	End sleeve strip 0,75	38	SWS-PLUS 060	40095	35
61000	QUADRO	24	SWS-PLUS 080	40105	35
70000	System 4-70	6	SWS-PLUS 100	40115	35
71000	System 4-70 Set	6	System 4-70	70000	6
79016	Cable bracket No.16	6	System 4-70 Set	71000	6
79028	Cable bracket No.28	6	Top Coax Plus	30110	18
79035	Cable bracket No.35	6	UNI-PLUS	30400	16
79050	Cable bracket No.50	6	Universal Stripper No. 12	30120	14
79070	Cable bracket No.70	6			





# »»» JOKARI® original

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