

## Cutting and stripping tools

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## Cutting and stripping tools for professional use

### Stripping tools

Elpress stripping tool EMBLA is a self-adjusting cutting and stripping tool for modern electrical installation. The tool strips a wide range of insulations from PVC to PTFE and takes 0.02-10 mm<sup>2</sup> with just one tool. The ergonomic design of the tool has result in a lightweight but strong and comfortable tool equally qualified for high volume production and portable/field usage.



EMBLA, ergonomically designed cutting- and stripping tool.



For stripping of larger areas up to Ø40 mm, TOR, a professional stripping tool for cables of all insulation types is used. Designed to fit the hand and for ease of use, TOR can strip the most difficult cables in the harshest of environments.

TOR, stripping tool.

The precise stripping tool ODEN, strips cables Ø2,5-11 mm, is used for stripping of the outer layer for signal cables and the like.



ODEN, precise setting for the different insulations is easily made by means of the nine position setting wheel.

For preparation and stripping of medium voltage conductors, 12-24kV, tools FBS1722 and 1723 are used. FBS1722 strips (Ø10-50 mm) outer conductor screen of XLPE conductors and FBS1723 strips (Ø15-52 mm) PEX insulation on intermediate voltage conductors.



FBS1722, for stripping of outer conductive layer gives a very smooth result.

### Cutting tools

Elpress cutting tools are available in several variants for cutting of Cu and Al conductors, up to a diameter of Ø85 mm. Apart from the mechanical cutting tools that cut cables up to Ø20 mm, there is a wide range of hydraulic cutting tools which cuts cables up to Ø85 mm. The electrical cutting tool PKL54 is easy to operate and the protective cap gives high safety for the user. The tool has a preferable scissor action while cutting and cut conductors up to Ø54 mm.



PKL54, cutting tool.

# Cutting and stripping tool 0.02 - 10\* mm<sup>2</sup> (16 mm<sup>2</sup>)

## EMBLA

Cutting and stripping tool.

Embla is available in 3 versions:

### EMBLA S

- with exchangeable knife cassette, straight blades, for PVC insulations 0.02-10 mm<sup>2</sup> (AWG 34-8)

### EMBLA V

- with exchangeable knife cassette, V-shaped blades, for harder insulations 0.1-4 mm<sup>2</sup> (AWG 28-12)

### EMBLA 16

- with exchangeable knife cassette, curved blades, for PVC insulations 4-16 mm<sup>2</sup> (AWG 12-6)

AWG	Area	Cat. no.	Weight	Dimensions
34-8	0.02-10 mm <sup>2</sup>	EMBLA S	0.136 kg	191x123x20
28-12	0.1-4 mm <sup>2</sup>	EMBLA V	0.136 kg	191x123x20
12-6	4-16 mm <sup>2</sup>	EMBLA 16	0.136 kg	191x123x20

### Particulars:

- **Stripping range**
  - for PVC insulations 0.02-10 mm<sup>2</sup> (AWG 34-8)
  - for harder insulations 0.1-4 mm<sup>2</sup> (AWG 28-12)
  - for PVC insulations 4-16 mm<sup>2</sup> (AWG 12-6)
- **Cutting range**
  - stranded conductors up to 10 mm<sup>2</sup> (AWG 8)
  - single strand conductors up to 1.5 mm<sup>2</sup> (AWG 16)
- **Versatility:** The easy exchange of stripping cassettes makes stripping of most insulation materials possible. The working range is the widest available for these type of tools.
- **Precision:** Precise knife adjustment allows stripping of conductors with thin insulations without damage to the strands. When the stripping action is completed, the knives open and are kept so during the retraction of the knives. The scratchfree conductor is thus easy to take out.
- **Ergonomy:** A specially designed movable handle with a soft rubber inlay, low friction, optimised handle opening width, an angled head and low weight safeguard comfortable work with lowest work load.
- **Long life expectancy:** Strip cassettes and knives can be exchanged for very long tool life.
- **Reliability:** Tested to over 150 000 cycles. Produced from a new high tensile plastic with doubled strength compared to ordinary PA6 (nylon).

### Accessories

EMBLA can be supplemented with the following spare cassettes for different types and sizes of cable insulations. In one simple operation the cassettes can be replaced.

#### EMBLA SP S

- with knife, straight blades, for PVC insulations 0.02-10 mm<sup>2</sup> (AWG 34-8)

#### EMBLA SP V

- with knife, V-shaped blades, for harder insulations 0.1-4 mm<sup>2</sup> (AWG 28-12)

#### EMBLA SP 16

- with knife, curved blades, for 4-16 mm<sup>2</sup> (AWG 12-6)

AWG	Area	Cat. no.	Weight
34-8	0.02-10 mm <sup>2</sup>	EMBLA SP S-cassette	0.020 kg
28-12	0.1-4 mm <sup>2</sup>	EMBLA SP V-cassette	0.020 kg
12-6	4-16 mm <sup>2</sup>	EMBLA SP 16-cassette	0.020 kg

EMBLA



EMBLA, ergonomically designed cutting- and stripping tool.

EMBLA S-cassette



EMBLA V-cassette



EMBLA 16-cassette



\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.

## Stripping tool for cables Ø 2.5 - 40 mm

### Stripping of cables Ø 4.5 - 40\* mm

#### TOR

Stripping tool for LV cables.

##### Particulars:

- two exchangeable hooks for covering the wide diameter range
- locked positions for cutting around and along the cable as well as in a spiral
- the cutting can be made on cable outer diameters from 4.5 to 40 mm with insulation thickness up to 4.5 mm (adjustable knife)
- spare blades available and may be stored in an integrated compartment in the handle

TOR



Three stripping functions.

Area	Cat. no.	Weight	Dimensions
Ø 4.5-40 mm	TOR	0.116 kg	150x42x31 mm (small hok) 167x52x31 mm (big hok)
	TOR SP KNIFE (spare blade)	0.010 kg	

### Stripping of cables Ø 2.5 - 11\* mm

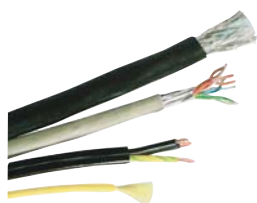
#### ODEN

Stripping of the outer layer on signal, telephone, instrument, data cables and etc.

##### Particulars:

- precise setting for the different insulations is easily made by means of the nine position setting wheel
- stripping: cables Ø 2.5 to 11 mm with up to 1.0 mm thick insulations
- strips the outer insulation on most multi conductor and optical cables up to Ø 11 mm
- spare blades available

ODEN



ODEN, for stripping of outer layer on signal, telephone, instrument, data cables and etc.

Area	Cat. no.	Weight	Dimensions
Ø 2.5-11 mm	ODEN	0.028 kg	91x40x19 mm
	ODEN SP KNIFE (spare blade)	0.010 kg	

\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.

## Tools for cutting and stripping of conductors 0.5 - 6 mm<sup>2</sup> and for cutting up to Ø 20 mm

### Cutting and stripping 0.5 - 6 \* mm<sup>2</sup>

#### SCT001

Cutting and stripping tool.

SCT001



##### Particulars:

- made from high quality steel
- cuts and strips 0.5 to 6 mm<sup>2</sup> (20 - 10 AWG)
- lockable strip setting
- light and versatile

Area	Cat. no.	Weight	Dimensions
0.5-6 mm <sup>2</sup>	SCT001	0.10 kg	140x65 mm

### Cable cutting up to approximately Ø 20\* mm

#### CT10

Cable cutter.

CT10



##### Particulars:

- cuts Cu and Al cables up to outer Ø 10 mm
- not designed to cut steel
- small and handy
- hardened cutter edges of forged steel
- the special cutter edge designs gives a clean cut surface with low distortion

Area	Cat. no.	Weight	Length
Ø 10 mm	CT10	0.17 kg	165 mm

#### CT20

Cable cutter.

CT20



##### Particulars:

- cuts Cu and Al cables up to outer Ø 20 mm
- not designed to cut steel
- relatively small and handy
- hardened cutter edges of forged steel
- the special cutter edge designs gives a clean cut surface with low distortion

Area	Cat. no.	Weight	Length
Ø 20 mm	CT20	0.44 kg	240 mm

\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.

## Cable cutting up to Ø 15\* mm

# UP-B41

UP-B41



Cable cutter.

### Particulars:

- cuts flexible Cu and Al conductors up to 95 mm²
- cuts Cu cables up to approx. Ø 15 mm
- not designed for cutting steel
- small and very effective
- a professional tool with very high quality
- gives a clean cut surface

Area	Cat. no.	Weight	Length
Ø 15 mm	UP-B41	0.28 kg	200 mm

\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.

## Cutting tools for cables up to Ø 80 mm

■ Not for steel wires or steel wire armoured cables.

### Cable cutting up to Ø 34\* mm

#### HKS34

Cable cutter.

HKS34



**Particulars:**

- cuts normal types of Cu and Al cables up to Ø 34 mm
- cuts Al-alloyed AC overhead line conductors up to 241 mm² (not ACSR)
- supplied in a robust textile carry bag

Area	Cat. no.	Weight	Length
Ø 34 mm	HKS34	0.92 kg	250 mm

### Cable cutting up to Ø 50\* mm

#### HKS50

Cutting tool for Cu/Al and steel cable with exchangeable cutting blades. HKS50 is delivered with universal blade UFE1 for Al/Cu, ACSR, Flexibel steel wire and anchoring cable. Supplied in a robust textile bag with instructions for use and a cleaning comb.

HKS50



**Particulars:**

- One hand operation
- Scissor movement
- Change blades fast and easy with release of two screws
- Clear marking of usage on the blades
- Reliable and well proven ratchet drive

Area	Cat. no.	Weight	Length
Ø50 mm	HKS50	1.4 kg	230 mm

### Blades for HKS50



Area	Cat. no.	Application
Ø 50 mm	UFE2	For Cu/Al, flex. steel wire, INOX, ACSR, screws, anchoring cable, piano wires and catenary cable.
Ø 50 mm	UFE1	For Cu/Al, flex. steel wire, INOX, ACSR, screws, anchoring cable and catenary cable.
Ø 30 mm	UFE2	For Cu/Al, flex. steel wire, ACSR and main application are for cutting data/signal cable.
Ø 50 mm	UFE	For Cu/Al, flex. steel wire, ACSR.
Ø 50 mm	UCUAL	For Cu/Al cable, clean cut and appropriate for most flexible cables. Does not cut steel.

\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.



## Cable cutting up to Ø 62\* mm

### HKS62

Cable cutter.

#### Particulars:

- cuts normal types of Cu and Al cables up to Ø 62mm
- cuts Al-alloyed AC overhead line conductors up to 241 mm<sup>2</sup> (not ACSR)
- supplied in a robust textile carry bag

Area	Cat. no.	Weight	Length
Ø 62 mm	HKS62	1.9 kg	340 mm

HKS62



## Cable cutting up to Ø 80\* mm

### HKS80

Cable cutter.

#### Particulars:

- cuts normal types of Cu and Al cables up to Ø 80 mm
- supplied in a robust textile carry bag

Area	Cat. no.	Weight	Length
Ø 80 mm	HKS80	3.4 kg	600 mm

HKS80



## Cable cutting up to Ø 35\* mm

### HKS35F

Front end cable cutter.

#### Particulars:

- front end "scissors" cutting - easy access to confined areas
- cuts normal types of Cu and Al cables up to Ø 35 mm
- low handle forces needed
- supplied in a robust textile carry bag

Area	Cat. no.	Weight	Length
Ø 35 mm	HKS35F	1.9 kg	330 mm

HKS35F



\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.



## Cable cutting up to Ø 60\* mm

### HKS60F

Front end cable cutter.

#### Particulars:

- front end "scissors" cutting - easy access to confined areas
- cuts normal types of Cu and Al cables up to Ø 60 mm
- low handle forces needed
- supplied in a robust textile carry bag

HKS60F



Area	Cat. no.	Weight	Length
Ø 60 mm	HKS60F	3.8 kg	485 mm

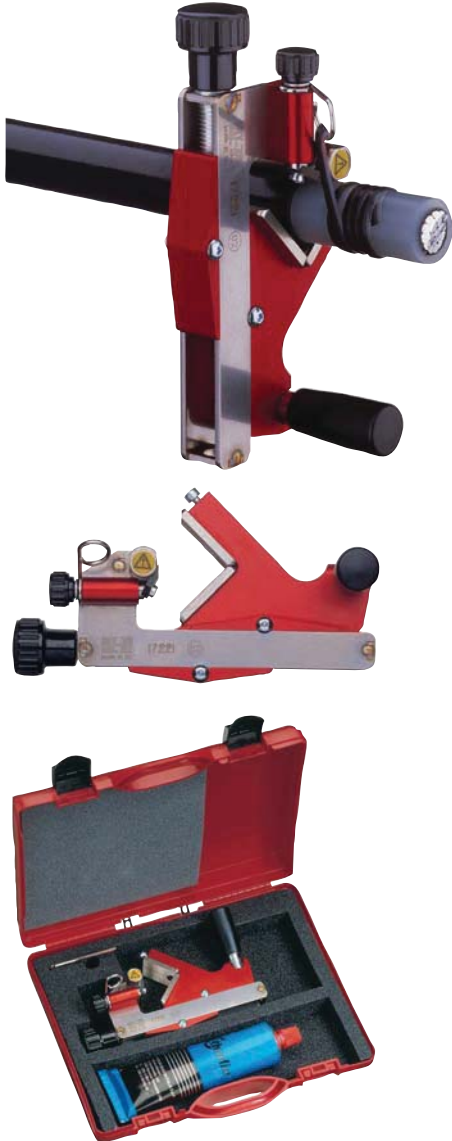
\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.

## Tool for stripping of outer conductive layer on MV XLPE cables

### FBS1722

Stripping tool for outer vulcanised, conductive layer on MV XLPE cables.

FBS1722



#### Particulars:

- FBS 1722 includes the actual tool, 100 g silicone paste and an instruction, all in a quality plastic carry box
- stripping can be made from Ø 10 mm up to Ø 50 mm, approximately corresponding to maximum sizes 800 mm² at 12kV, 630 mm² at 24 kV and 500 mm² at 36 kV
- cutting depth is easily set between 0 and 1.2 mm in steps of 0.1 mm
- stripping can be made down to 25 mm from the shield edge and the XLPE surface produced is very smooth all the way
- the HRC 55 hardness cutting blade is specially ground to specific shape and easy to replace when needed

Area	Cat. no.	Weight	Dimensions
Ø 10-50 mm	FBS1722	0.80 kg	235x200x55 mm
	FBS1722RS (spare blade)	-	
	FBS1722SP (siliconpaste)	0.10 kg	

FBS1722 is delivered in a plastic carry box with silicon paste and instructions for use.

\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.

## Tool for stripping of outer conductive layer on MV XLPE cables

### FBS1723

Stripping tool for outer vulcanised, conductive layer on MV XLPE cables.

FBS1723



FBS1723 is delivered in a plastic carry box with silicon paste and instructions for use.

#### Particulars:

- FBS1723 includes the actual tool, 100 g silicone paste and an instruction, all in a quality plastic carry box
- the tool is easy to use - the tool rotates with the handle.
- stripping can be made from Ø 15 mm up to Ø 52 mm, approximately corresponding to maximum sizes 50-1000 mm<sup>2</sup> at 12kV, 25-1000 mm<sup>2</sup> at 24 kV, 630 mm<sup>2</sup> at 36 kV and 500 mm<sup>2</sup> at 52 kV
- cutting depth is easily set between 0 and 15 mm
- unlimited stripping length
- adjustable feed in 5 positions
- blade available as spare part
- the HRC 55 hardness cutting blade is specially ground to specific shape and easy to replace when needed

Area	Cat. no.	Weight	Dimensions
Ø 15-52 mm	FBS1723	1.0 kg	275 x 220 x 65 mm
	FBS1723RS (spare blade)		
	FBS1722SP (silicon paste)	0.10 kg	

\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.

## Battery powered cable cutter

### PKL54

Electric cable cutter for copper and aluminium cable; easy and safe to operate.

PKL54



#### Particulars:

- electric cable cutter for copper and aluminium cable
- not intended for cutting steel
- max cutting diameter 54 mm;  
equivalent to 1 kV Cu type FKKJ 4 x 95 mm<sup>2</sup>  
Al type AKKJ 4 x 240 mm<sup>2</sup>  
Al type SE-N1XV 4G x 240 mm<sup>2</sup>  
equivalent to 12 kV Al type AXLJ 3 x 150 mm<sup>2</sup>
- charger 7.2-24V, charging time for battery approx. 60 min
- the tool has a scissor action when cutting, which produces a good cut
- integrated fuse as overvoltage protection
- protective cap for perfect safety, CE approved
- delivered with case and two batteries, 14.4V NiMh

#### Accessories:

- PVB2-Mh, extra battery

Area	Cat. no.	Weight	Dimensions
Ø 54 mm	PKL54	3,5 kg (incl 1 battery)	450x105x120 mm

\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.

## Hydraulic cable cutters

■ *Not for steel wires or steel wire armoured cables.*

### HKL40/KL40, HKL55/KL55, HKL85/KL85

A range of cable cutters covering virtually all needs for cutting power cables and OH-line wires. The cutting heads are powered by Elpress foot pump P4000, Elpress battery and mains operated electrohydraulic pump PS710 or Elpress mains powered pump P1000.

Area	Cat. no.	Description	Weight	Dimensions
Ø 40 mm	HKL40	Manual cutting tool	5.9 kg	645x85x165
Ø 55 mm	HKL55	Manual cutting tool	3.7 kg	560x55x140
Ø 85 mm	HKL85	Manual cutting tool	7.6 kg	745x72x190
Ø 40 mm	KL40	Cutting head	4.3 kg	285x85x105
Ø 55 mm	KL55	Cutting head	3.0 kg	300x55x110
Ø 85 mm	KL85	Cutting head	6.2 kg	385x75x170

### Technical specifications

Hydraulic manual cutters	HKL40	HKL55	HKL85
Hydraulic cutting heads	KL40	KL55	KL85
<b>Max. opening</b>	Ø 40	Ø 55	Ø 85
<b>Max. cutting force, KN</b>	88	43	55
<b>Max. cutting capacity, examples.</b>			
copper cable	Ø 40	400 (500) mm <sup>2</sup>	630 mm <sup>2</sup>
Cu annealed solid conductor		Ø 20	
Cu rod	Ø 30		
Aluminium cable	Ø 40	3x240+95 mm <sup>2</sup>	3x240+95 mm <sup>2</sup> 630 (800 mm <sup>2</sup> )
Al annealed solid conductor		Ø 25	
ACSR	Ø 40		
Al bar	ca Ø 40		
Telephone cable		Ø 55	
Steel wire (<180 daN/mm <sup>2</sup> )	Ø 11		
Steel rod	Ø 18		

Do not cut steel wire armoured cables.



\* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.