Cutting and insulation stripping tools

Cutting and stripping tools

Stripping tools

To strip insulation from cable there are, for example, the Embla, Tor and Oden ranges, that strip from approx. 0.02 mm² up to approx.Ø 40 mm cable. The tools are characterised by high precision, ergonomic adaptation, user friendliness and reliability.

EMBLA, ergonomically adapted cutting and stripping tool.

The ODEN stripping tool can be used in one easy operation.

Cutting tools

Tools are available in several variants for cutting Cu and Al cable up to approx. Ø 85 mm. In addition to the simplest mechanical tools that cut cable up to Ø 20 mm, there is a wide range of hydraulic tools for cutting cable up to approx. Ø 85 mm.

The size of the conductor that the tools can handle mainly depends on the type of conductor to cut; whether it is a low or medium voltage cable and whether it is, for example, a solid Class 1, flexible Class 5 or stranded Class 2 conductor. The hardness of the conductor's material also affects the results. For example, the PKL54C is capable of cutting type Cu FKKJ 4 x 95 mm² low voltage cable or Al AKKJ 4 x 240 mm² or medium voltage cable type Al AXLJ 3 x 150 mm². The insulation takes some space on the medium voltage cable, which is why it can be restrictive.

Battery powered cutting tool PKL54C.

Tools for PEX cable

For preparation of medium voltage cables, 12-24 kV, and removal of conducting layers and PEX insolation, tools FBS1722 and FBS1723 are available.

Stable FBS1722 stripping tool delivers better and smoother results than most other stripping tools.

ELPRESS®

Tool for cutting and stripping insulation 0.02 - 16 mm²

Properties:
- cutting capacity (EMBLA S, standard cassette): - single core conductor 1.5 mm² (AWG 16), - multi-stranded conductor 10 mm² (AWG 8)
- Versatility: The simplicity and ability to change the stripping cassettes allow stripping of most modern insulation materials. The operating range is the widest found in this type of tool.
- Precision: Fine-adjustment allows stripping of even thin insulation without conductor damage. When stripping is complete, the stripping blades are opened and kept open during the blade return so that the cable can be removed from the tool, easily and without scratches.
- Ergonomics: Specially formulated shape, soft rubber inserts in the fixed handle, low friction, optimized handle width, angled head and low weight ensures comfortable work with the lowest load.
- Long life: Stripping cassettes and cutting blades can be replaced for long tool life.
- Reliable: Tested for over 150,000 cycles. Made of high strength plastic with double strength compared to standard PA6 (nylon).

EMBLA

Stripping and cutting tools.

Embla is available in 3 versions:

EMBLA S,
- with stripping blade, straight blades for PVC insulations 0.02-10 mm² (AWG 34-8)

EMBLA V,
- with stripping blade, V-shaped blades, for harder insulations 0.1-4 mm² (AWG 28-12)

EMBLA 16,
- with stripping blade, oval-shaped blade, for 4-16 mm² (AWG 12-5)

mm²	AWG	Name	Net weight (kg)	Length mm	Width	Height
0,02-10	34-8	EMBLA S	0,184	191	123	20
0,1-4	28-12	EMBLA V	0,18	191	123	20
4-16	12-6	EMBLA16	0,182	191	123	20

EMBLA (right-angled handles)

Stripping and cutting tools with right-angled handles.

mm²	AWG	Name	Net weight (kg)	Length mm	Width	Height
0,02-10	34-8	EMBLA RA S	0,136	144	168	23
0,1-4	28-12	EMBLA RA V	0,136	144	168	23
4-16	12-6	EMBLA RA 16	0,136	144	168	23

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transit cable products

ELPRESS

EMBLA S-cassette

EMBLA V-cassette

EMBLA 16-cassette

Accessories EMBLA

EMBLA and EMBLA RA can be supplemented with the following stripping cassettes for different types of cable sizes and insulation. The cassettes can be quickly and easily changed.

EMBLA SP S
• with stripping blade, straight blades, for PVC insulation 0.02-10 mm² (AWG 34-8)
EMBLA SP V
• with stripping blade, V-shaped blade, for harder insulation 0.1-4 mm² (AWG 28-12)
EMBLA SP 16
• with stripping blade, oval-shaped blade, for 4-16 mm² (AWG 12-5)

mm²	AWG	Name	Net weight (kg)
0,02-10	34-8	EMBLA SP S-CASSETTE	0,002
0,1-4	28-12	EMBLA SP V-CASSETTE	0,002
4-16	12-6	EMBLA SP 16-CASSETTE	0,002

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Tool for stripping insulation on cables Ø 2.5 - 40 mm

TOR

Cable stripping tool for cable insulation Ø 4.5 - 40 mm

Properties:
• two interchangeable hooks for different cable diameters
• locked positions for cross, longitudinal and spiral sections
• stripping: cable diameters 4.5 - 40 mm, insulation thicknesses up to 4.5 mm

Max ø conductor	Name	Net weight (kg)	Length	Width	Height
4,5-40	TOR	0,206	150 (167)	42 (52)	31 (31)

Dimensions: Small hook / (large hook)

Three stripping functions.

Accessories TOR

mm²	AWG	Name	Net weight (kg)
4,5-40	11-1	TOR SP KNIFE	0,001
20-40	4-1	TOR SP BIG HOOK	0,04
4,5-25	11-3	TOR SP SMALL HOOK	0,04

ODEN

Stripping tool to strip insulation from cables Ø 2.5 - 11 mm.
Used for signal, telephone, audio, instrument, data cable and similar.

Properties:
• fine-adjustment and adjustment are performed with a nine-position setting wheel
• stripping: cables Ø 2.5-11 mm, up to 1.0 mm thick outer layers
• flexible: strips or removes the outer layer on most multi-conductors and optical cables up to Ø 11 mm

Max ø conductor	Name	Net weight (kg)	Length	Width	Height
2,5-11	ODEN	0,043	91	40	19

ODEN strips signal, telephone, audio, instrument, data cable etc.

Accessories ODEN

Name	Net weight (kg)
ODEN SP KNIFE	0,0001

Tool for cutting and stripping conductors 0.5 - 6 mm² and cutting up to Ø 20 mm²

SCT001

Stripping and cutting tool for cutting and stripping conductors 0.5 - 6 mm².

Properties:
- material: high-quality steel
- cuts 0.5-6 mm² (20-10 AWG)
- strips 0.5-6 mm² (20-10 AWG)
- light and versatile
- lockable setting

mm²	Max ⌀ conductor	AWG	Name	Net weight (kg)	Length mm	Width	Height
0,5-6	2	10-20	SCT001	0,102	140	65	10

CT10

Cable cutter for cutting cable up to approx. Ø 10 mm.

Properties:
- cuts Cu and Al cable up to approx. Ø 10 mm
- not intended for cutting steel
- small and manageable
- tempered forged steel cutting blade
- design of the blade inserts provides a clean cut surface

Max ⌀ conductor	Name	Net weight (kg)	Length mm	Width	Height
10	CT10	0,16	165	50	15

CT20

Cable cutter for cutting cable up to approx. Ø 20 mm².

Properties:
- cuts Cu and Al cable up to approx. Ø 20 mm
- not intended for cutting steel
- sturdy and comfortable handle grip
- tempered forged steel cutting blade
- design of the blade inserts provides a clean cut surface

Max ⌀ conductor	Name	Net weight (kg)	Length mm	Width	Height
20	CT20	0,471	240	78	21

UP-B41

Cable cutter for cutting cable up to approx. Ø 15 mm.

Properties:
- cuts multi-stranded Cu and Al conductors.
- not intended for cutting steel
- small and manageable
- high quality, professional tool
- design of the blade inserts provides a clean cut surface
- minimal power requirement

mm²	Max ⌀ conductor	AWG	Name	Net weight (kg)	Length mm	Width	Height
95	15	4/0	UP-B41	0,357	255	25	70

Tool for cutting cable up to Ø 80 mm

Not for steel wire and wire reinforced cable.

HKS34

Cable cutter for cutting cable up to approx. Ø 34 mm.

Properties:
• cuts normal types of Cu and Al cable
• cuts alloyed AC overhead line and BLX up to a diameter of 241 mm² (not FeAl)
• comes with durable textile bag

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height
34	HKS34	0,908	350	185	60

HKS50

Cable cutter for cutting cable up to approx. Ø 50 mm.
Cutting tool for steel and Cu/Al cable with interchangeable blades. HKS50 is supplied with universal blade UFE1 for Al/Cu, FeAl line, flexible steel line and anchoring cables.
Comes in a sturdy textile bag with instructions for use and cleaning tool for threads.

Properties:
• scissor-motion for the best cut surface on the cut cable
• single-handed operation facilitates installation
• reliable and proven ratchet function
• move blades easily and quickly by releasing two screws
• clearly marked usage area on the blades

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height
50	HKS50	1,443	350	185	60

Blade for HKS50

Max ø conductor	Name	Net weight (kg)	Application
50	UFE2	0,13	For Cu/Al, flex. steel line, INOX, FeAl line, screw, anchoring cable, piano wire and solid Cu overhead line.
50	UFE1	0,104	For Cu/Al, flex. steel line, INOX, FeAl line, screw, anchoring cable and solid Cu overhead line.
30	UFEB	0,111	For Cu/Al, flex, steel line, FeAl line and mainly used for cutting data/signal cable.
50	UFE	0,104	For Cu/Al cable, clean cut surface and adapted for most flexible cables. Not suitable for cutting steel.

UFE2   UFE1

UFEB   UFE

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HKS62

Cable cutter for cutting cable up to approx. Ø 62 mm.

Properties:
• cuts normal types of Cu and Al cable
• cuts alloyed AC overhead line and BLX up to a diameter of 241 mm² (not FeAl)
• comes with durable textile bag

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height
62	HKS62	2,005	350	185	60

HKS80

Cable cutters for cutting cable up to approx. Ø 80 mm.

Properties:
• cuts normal types of Cu and Al cable
• comes with durable textile bag

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height
80	HKS80	3,199	585	215	65

HKS35F

Cable cutters for cutting cable up to approx. Ø 35 mm.

Properties:
• cable cutter
• cuts normal types of Cu and Al cable
• comes with durable textile bag

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height
35	HKS35F	1,59	330	185	60

HKS60F

Cable cutters for cutting cable up to approx. Ø 60 mm.

Properties:
• cable cutter
• cuts normal types of Cu and Al cable
• comes with durable textile bag

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height
60	HKS60F	3,421	470	185	60

Stripping tool for removing layers of PEX cables Ø 10 - 50 mm

FBS1722

Stripping tool for fixed, outer conductive layers on PEX cables.

Properties:
- FBS1722 contains the stripping tool, 100 g silicone paste and instructions for use, in a padded plastic box
- insulation can be stripped from Ø 10 to Ø 50 mm, which corresponds to up to 800 mm² at 12 kV, 630 mm² at 24 kV and 500 mm² at 36 kV
- the depth of cut is set between 0 and 1.2 mm in 0.1 mm increments using a knob
- stripping can be done up to 25 mm from the edge of the screening and the PEX surface becomes very even
- the blade is hardened, min HRC 55, and specially ground, as well as very easy to replace

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height
10-50	FBS1722	0,813	235	200	55

FBS1722 comes with box, silicone paste and instructions for use.

Accessories for FBS1722

Spare parts for the FBS1722 stripping tool.
RS = spare blade and SP = silicone paste.

Name	Net weight (kg)
FBS1722RS	0,006
FBS1722SP	0,115

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Stripping tool for PEX insulation on medium voltage cable

FBS1723

Stripping tool for stripping PEX insulation on medium voltage cable.

Properties:
- FBS1723 contains the stripping tool, 100 g silicone paste and instructions for use in a padded plastic box
- the tool is easy to use - rotate the tool with the handle
- stripping can be done from Ø 15 to 52 mmm which corresponds to cable 12 kV 50-1000 mm², 24 kV 25-1000 mm², 36 kV up to 630 mm² and 52 kV up to 500 mm²
- depth of the blade can be adjusted from 0 to 15 mm
- unlimited stripping length
- the cutting blade is available as a spare part
- adjustable feed in 5 positions, the blade is hardened, min HRC 55, and specially ground and very easy to replace

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height
15-52	FBS1723	1,072	275	220	65

FBS1723 comes with box, silicone paste and instructions for use.

Accessories for FBS1723

Spare parts for the FBS1723 stripping tool.
RS = spare blade and SP = silicone paste.

Name	Net weight (kg)
FBS1723RS	0,001
FBS1722SP	0,115

Battery-powered cable cutter

REACH COMPLIANT RoHS COMPLIANT CE **PKL54C**

Electric cable cutter for cutting Cu and Al cable, max. cutting diameter 54 mm.

Properties:
- not intended for cutting steel
- comes in a bag with Li-ion battery, 14.4 V, as well as charger
- tool performs a scissor motion when cutting that provides an optimal cut surface
- built-in fuse as a surge protector
- CE-marked

Max ø conductor	Name	Net weight (kg)	Length mm	Width	Height	Note
54	PKL54C	0,001	338	220	120	Charger: 230VAC
54	PKL54C-US	0,001	338	22	12	Charger: 150VAC
54	PKL54C-WOBC	0,001	338	22	12	Without Battery/Charger

Battery powered cutting tool PKL54C.

Hydraulic hand-held cable cutters and cable cutter heads

KL2585 cutting head

KL2585

Hydraulic cable cutting head for copper and aluminum cable.

Properties:
- cuts up to 4 x 150 mm² Cu conductor and ø 85 mm Al, paper and plastic insulated conductors (there may be restrictions depending on the conductor's design and materials)
- cuts steel-reinforced cables, but not steel wire-reinforced cables
- used with foot pump P4000 or electrically powered pump PS710
- supplied in plywood box

mm²	Max ø conductor	AWG/ MCM	Name	Net weight (kg)	Length mm	Width	Height
630	85	1000	KL2585	10,35	250	377	75

HKL40/KL40, HKL55/KL55, HKL85/KL85

A series of cable cutters covering almost all needs when cutting power cables and lines. The cutter heads (KL) are operated with one of Elpress' pumps, e.g. foot pump P4000 or pump PS710.Not for steel wire and wire reinforced cable.

Max ø conductor	Name	Net weight (kg)	Length	Width	Height
40	HKL40	6,058	645	165	85
55	HKL55	4,133	560	140	55
85	HKL85	7,6	745	190	72
40	KL40	4,7	285	105	85
55	KL55	3,5	300	110	55
85	KL85	6,7	385	170	75

HKL40, KL40. HKL55 and KL55

Do no cut wire reinforced cable.

HKL85 and KL85

Technical Specifications

HKL40/KL40/HKL55/KL55/HKL85/KL85

Hydraulic manual cutters	HKL40	HKL55	HKL85
Hydraulic cutting heads	KL40	KL55	KL85
Max. opening	Ø 40	Ø 55	ø 85
Max. cutting force, KN	88	43	55
Max. cutting capacity, examples.			
copper cable	Ø 40	400 (500) mm²	630 mm²
Cu annealed solid conductor		Ø 20	
Cu rod	Ø 30		
Aluminium cable	Ø 40	3x240+95 mm²	3x240+95 mm² 630 (800 mm²)
Al annealed solid conductor		Ø 25	
ACSR	Ø 40		
Al bar	Ø 40		
Telephone cable		Ø 55	
Steel wire (<180daN/mm²)	Ø 11		
Steel rod	Ø 18		

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