

Distribution transformer system

Crimp technology for connectors and conductors used in transformers.



ELPRESS

The trusted connection system for distribution transformers

Reliable electrical connections are critical in distribution transformers. At Elpress, we take a system-based approach to crimping to ensure maximum safety, durability, and long-term performance.

With **System Elpress**, every connection is part of a fully verified and purpose-built system — designed, tested, and optimized for the unique demands of transformer applications.

By employing controlled high-force crimping and precise geometry, we create electrical connections that deliver repeatable quality and eliminate weak links. This is why crimping should never be improvised – it must always be a coordinated system technology.

A system is set up by

- Conductors
- Connectors
- Crimp tool
- Operators

Each component is developed to work seamlessly together – tested in-house and verified according to **IEC standards**. Our crimping systems are fully type tested for both aluminium (AL) and copper (CU) conductors.



Why Elpress for Distribution Transformers?

- ✓ Fully tested and verified system for use in distribution transformers
- ✓ No limitation on number of conductors – true flexibility in design
- ✓ No weak link – each connection is built for maximum reliability
- ✓ Clear instructions simplify work and ensure consistency across cross-sections
- ✓ Future-proof design for both AL and CU, with full type testing
- ✓ Tools, connectors and instructions aligned with our world-leading transformer crimping program
- ✓ Separation of AL and CU to eliminate long-term thermal and contact resistance risks
- ✓ Possibility to combine multiple conductors in a single crimp

With decades of experience in crimping technology, Elpress provides the expertise and tools needed to build safe, high-performance transformer connections. Our processes are certified according to **ISO 9001** and **ISO 14001**, ensuring both quality and environmental responsibility.

Elpress – trusted connections for tomorrow's power systems.

Tested Tools



Tested Connectors



Educated Team



Service & Maintenance

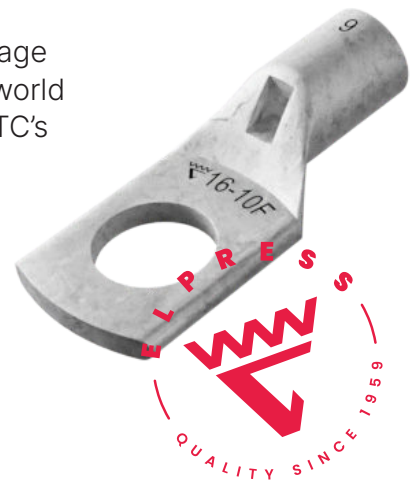
Standards & Certifications



Powering tomorrow with secure and sustainable connections.

Distribution transformers play a vital role in stepping down high-voltage electricity for local consumption, minimizing energy loss. Elpress, a world supplier of system solutions for crimping winding conductors and CTC's in combination with round cable types, takes the lead with secure terminals that optimize connectivity and reliability.

Distribution transformers, essential for power distribution, find a reliable ally in Elpress. With secure and sustainable solutions, Elpress sets the standard for efficient and resilient electrical connectivity, paving the way for a brighter future.



TERMINALS



Al through connectors

Cat. No	Nom A [mm ²]	Winding* [mm ²]
AS16L-DT	16	8,8-22
AS30L-DT	30	20-40



Cu through connectors

Cat. No	Nom A [mm ²]	Winding* [mm ²]
KS10L	10	9,9-14
KSF16L	16	14-22
KSF20L	20	22-30



Reducer through connectors

Cat. No	Conductor Cu [mm ²]	
	Nom A [mm ²]	Winding* [mm ²]
KSF16-10L	16/10	14-22/9,9-14
KSF20-10L	20/10	22-30/9,9-14
KSF20-16L	20/16	22-30/14-22
KSF25-10L	25/10	30/47/9,9-14
KSF25-16L	25/16	30-47/14-22
KSF35-10L	35/10	45-70/9,9-14
KSF35-16L	35/16	45-70/14-22
KSF35-20L	35/20	45-70/22-30
KSF35-25L	35/25	45-70/30-47
KSF50-20L	50/20	69-103/22-30
KSF70-20L	70/20	100-120/22-30
KSF95-20L	95/20	113-161/22-30

*= applies to both rectangular and solid round conductors



AlCu through connectors

Cat. No	Al		Cu	
	Nom A [mm ²]	Winding* [mm ²]	Nom A [mm ²]	Winding* [mm ²]
AKS16L-10-DT	16	8,8-22	10	9,9-14
AKS16L-16-DT	16	8,8-22	16	14-22
AKS16L-20-DT	16	8,8-22	20	22-30
AKS30L-10-DT	30	20-40	10	9,9-14
AKS30L-16-DT	30	20-40	16	14-22
AKS30L-20-DT	30	20-40	20	22-30
AKS35L-10-DT	35	35-50	10	9,9-14
AKS35L-16-DT	35	35-50	16	14-22
AKS35L-20-DT	35	35-50	20	22-30
AKS50L-10-DT	50	50-70	10	9,9-14
AKS50L-16-DT	50	50-70	16	14-22
AKS50L-20-DT	50	50-70	20	22-30
AKS70L-16-DT	70	70-100	16	14-22
AKS70L-20-DT	70	70-100	20	22-30



AlCu Terminals

Cat. No	Nom A [mm ²]	Winding* [mm ²]	Screw
AKK16L-6-DT	16	8,8-22	M6
AKK16L-8-DT	16	8,8-22	M8
AKK16L-10-DT	16	8,8-22	M10
AKK16L-12-DT	16	8,8-22	M12
AKK30L-6-DT	30	20-40	M6
AKK30L-8-DT	30	20-40	M8
AKK30L-10-DT	30	20-40	M10
AKK30L-12-DT	30	20-40	M12



Cu-Tube Terminals

Cat. No	Nom A [mm ²]	Winding* [mm ²]	Screw
KR10-6L	10	9,9-14	M6
KR10-8L	10	9,9-14	M8
KR10-10L	10	9,9-14	M10
KR10-12L	10	9,9-14	M12
KRF16-6L	16	14-22	M6
KRF16-8L	16	14-22	M8
KRF16-10L	16	14-22	M10
KRF16-12L	16	14-22	M12
KRF20-6L	20	22-30	M6
KRF20-8L	20	22-30	M8
KRF20-10L	20	22-30	M10
KRF20-12L	20	22-30	M12

*= applies to both rectangular and solid round conductors

DIES

V600

V600 Cu

Nominal connector area mm ²	Winding conductor cross section area*		Pre-rounding tool	Crimping tool
	min mm ²	max mm ²		
10	9,9	14	6R5ML/6R5DL	TBK8ML/TBK8-10DL
16	14	22	6R6ML/6R6DL	TBK9ML/TBK8-10DL
20	22	30	6R7ML/6R7DL	TBK10ML/TBK8-10DL
25**	30	47		TB11L
35**	45	70		TB13L
50**	69	103		TB14,5L
70**	100	120		TB17L
95**	113	161		TB20L



V600 Al

Nominal connector area mm ²	Winding conductor cross section area*		Pre-rounding tool	Crimping tool
	min mm ²	max mm ²		
16	8,8	22	6R6ML-AL/6R6DL-AL	6P13M2/6P13D2
30	20	40	6R7,5ML-AL/6R7,5DL-AL	6P13M2/6P13D2



* = applies to both rectangular and solid round conductors

** = hexagonal crimping

+
tools



V1300

V1300 Cu

Nominal connector area mm ²	Winding conductor cross section area*		Pre-rounding tool	Crimping tool
	min mm ²	max mm ²		
10	9,9	14	13R5ML-B/13R5DL-B	13PK8ML/13PK8-10DL
16	14	22	13R6ML-B/13R6DL-B	13PK9ML/13PK8-10DL
20	22	30	13R7ML-B/13R7DL-B	13PK10ML/13PK8-10DL
25**	30	47		13B11L
35**	45	70		13B13L
50**	69	103		13B14,5L
70**	100	120		13B17L
95**	113	161		13B20L



V1300 Al

Nominal connector area mm ²	Winding conductor cross section area*		Pre-rounding tool	Crimping tool
	min mm ²	max mm ²		
16	8,8	22	13R6ML-AL/13R6DL-AL	13P13M2/13P13D2
30	20	40	13R7,5ML-AL/13R7,5DL-AL	13P13M2/13P13D2
35	35	50	13R8ML-AL/13R8DL-AL	13P20M2/ 13P20D2
50	50	70	13R9ML-AL/13R9DL-AL	13P20M2/ 13P20D2
70	70	100	13R10ML-AL/13R10DL-AL	13P20M2/ 13P20D2



* = applies to both rectangular and solid round conductors

** = hexagonal crimping

pumps +



For more information regarding Elpress pumps, see separate leaflet or visit webpage.

www.elpress.net

PVX611/PVX611DB



Tested and certified battery-powered crimp tool for crimping Cu-terminals, type KR/KS 10 mm², KRF/KSF 16-150 mm², Cu windings 9,9-185 mm², Al-windings 8,8-40 mm², Al-terminals 10-30 mm². PVX611DB has an extra battery.



Works for the whole range of DT terminals

Properties:

- protects against dirt and dust through the closed chassis
- ergonomic design ensures optimum balance in the user's hand
- swivel opening crimp fork
- crimp force control using pressure monitoring
- one handed operation for easy work
- LED lighting for easier work
- fast-forward feeding for more efficient crimping
- display with information about the tool and service intervals
- crimp monitoring via display when the correct pressure/complete crimping is not achieved (warning light LED and signal)
- Li-Ion battery included (18 V, 2,0 Ah)

mm ²	Name	Crimp geometry	Delivered
10-150	PVX611	Punch, Hexagonal	with charger 230VAC
10-150	PVX611DB	Punch, Hexagonal	with 2 batteries
10-150	PVX611-US	Punch, Hexagonal	with charger 115VAC
10-150	PVX611-WOBC	Punch, Hexagonal	without battery and charger

PVX1300/PVX1300DB



Tested and certified battery-powered crimp tool for contact crimping Cu-terminals, type KR/KRF and KS/KSF 10-400 mm², Cu-windings 9,9-343 mm², Al-windings 8,8-100 mm², Al-terminals 10-400 mm² (-240 solid).

Properties:

- crimps Cu-conductors of type KRF-L up to 240 mm²
- ergonomic design ensures optimum balance in the user's hand
- crimp monitoring with warning light and signal when the correct pressure/full crimp is not achieved
- LED work lighting
- crimp force 124 kN (13 tons)
- crimps/charging: 60-120 depending on size and temperature
- crimp time: 4-12s depending on size
- usage temperature -20°C to +40°C
- Li-Ion Makita, 5,0 Ah, 18V
- charger Li-Ion Makita, charging time 22 min



mm ²	Name	Crimp geometry	Delivered
10-400	PVX1300-ADV	Punch, Dual, Hexagonal	CASE ADV
10-400	PVX1300	Punch, Dual, Hexagonal	Standard case
10-400	PVX1300-WOBC	Punch, Dual, Hexagonal	Standard case without battery and charger
10-400	PVX1300DB-ADV	Punch, Dual, Hexagonal	with 2 batteries and CASE ADV
10-400	PVX1300-WOBC-ADV	Punch, Dual, Hexagonal	CASE ADV and without battery and charger
10-300	PVX1300-ADV-US	Punch, Dual, Hexagonal	with battery and US-charger



V600



Tested and certified crimp head for crimping Cu terminals, type KR/KS 10 mm², KRF/KSF 16-150 mm², Cu windings 9,9-185 mm², Al-windings 8,8-40 mm², Al-terminals 10-30 mm².

Can be used together with the foot pump P4000 or the electrically powered pump PS710E/R (battery powered version of PS710E is also available).

Properties:

- working pressure 63 MPa (630 bar)
- crimp force 55 kN
- robust fabric bag with room for 10 dies included

mm ²	Name	Crimp geometry
10-150	V600	Punch, Hexagonal



V1300L



Tested and certified crimp head for crimping Cu-terminals, type KR/KRF and KS/KSF 10-400 mm², Cu-windings 9,9-343 mm², Al-windings 8,8-100 mm², Al-terminals 10-400 mm² (-240 solid). Used in conjunction with foot pump P4000 or the electrically powered pump PS710 (battery powered version of PS710E is also available).

Properties:

- crimps Cu-conductors of type KRF-L up to 240 mm²
- equipped with protective rubber coating on top of the fork and oil spray safety protection cap
- working pressure 63 MPa (630 bar)
- crimp force 130 kN (13 tons)
- versatile and easy-to-use steel crimp head

mm ²	Name	Crimp geometry
10-400	V1300L	Hexagonal, Punch

V611



Tested and certified hydraulic hand-held tool for crimping Cu-terminals, type KR/KS 10 mm², KRF/KSF 16-150 mm², Cu windings 9,9-185 mm², Al-windings 8,8-40 mm², Al-terminals 10-30 mm².

Properties:

- fast-feed to crimp engagement provides short crimp times
- crimp force 60 kN
- delivered in sturdy textile bag



mm ²	Name	Crimp geometry
10-150	V611	Punch, Hexagonal

TOOLS

PVL130L



Tested and certified tool with a high performance Li-Ion battery that streamlines your work with its improved battery capacity. To be used for crimping of standard tap changers for 30A and 63 A.

Properties:

- easy-to-open crimp head for rapid die change
- slim ergonomic design - good accessibility even in confined areas
- Li-Ion battery (12 V MAX, 2,0 Ah), charge time approx. 40 minutes
- rapid crimp operation 2 seconds (depending on material)
- dies for crimping of special through connectors
- delivered in a plastic case, with extra space for accessories



Name	Crimp geometry	Net weight (kg)	Length	Width	Height	Delivered
PVL130L	Hexagonal	1,50	330	85	60	with battery and charger
PVL130LDBKIT	Hexagonal	1,69	330	85	60	Includes PVL130L, LB5, LB7 and two batteries with charger
PVL130L-US	Hexagonal	1,50	330	85	60	with battery and US-charger
PVL130L-WOBC	Hexagonal	0,91	330	85	60	without battery and charger

Dies for PVL130L



Dies for crimping solid copper wires in combination with transformer tap changer connectors.

- Designed for standardized 30 A and 63 A tap changers.
- Hexagonal crimp geometry.

∅	Name	Number of crimps	Die holder required	Note
5	LB5	1	No	For standardized 30 A and 63 A tap changers
7	LB7	1	No	For standardized 30 A and 63 A tap changers



ES2258LB5



A tested and certified crimping tool for solid copper wires of diameters. 2.5-2.8 mm in combination with 5 mm transformer tap changer connectors.



Name	Crimp geometry	Net weight (kg)	Length mm	Width
ES2258LB5	Hexagonal	0,645	300	30

ES2258LB7



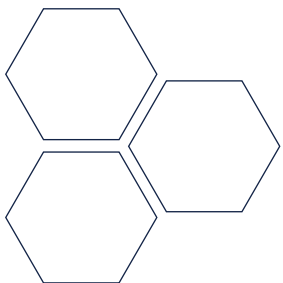
A tested and certified crimping tool for solid copper wires of diameter 4.0 mm in combination with 7 mm transformer tap changer connectors.



Name	Crimp geometry	Net weight (kg)	Length mm	Width
ES2258LB7	Hexagonal	0,645	300	30



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