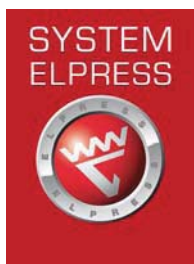


## Overhead line connectors and tools

<b>Twist connectors for Cu-wires 10 - 35 mm<sup>2</sup></b>	<b>2</b>
<b>Twist connectors for Al-wires 31 - 99 mm<sup>2</sup></b>	<b>2</b>
<b>Overhead connectors for alloy AlMgSi (Super B) and Al59 conductors 31 - 241 mm<sup>2</sup></b>	<b>3</b>
<b>Overhead connectors for ACSR conductors 62 and 99 mm<sup>2</sup></b>	<b>3</b>
<b>SYSTEM 600 for overhead line connectors</b>	<b>4</b>
<b>SYSTEM 1300 for overhead line connectors</b>	<b>8</b>
<b>SYSTEM V250 for overhead line connectors</b>	<b>10</b>



## System Elpress

System Elpress consists of connectors and tools tested together for optimum connection result. The System concept makes you as a customer able to feel secure when using our system and to be sure a safe connections is made when Elpress products are used correctly.

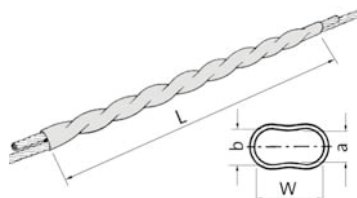
## Introduction

Elpress connector range for overhead lines includes crimp types for alloy aluminium wires like AlMgSi (Super B) and Al59 wires as well as for certain ACSR conductors. Twist type connectors for both Al and Cu wires are also offered.

Crimp tools types T2600, V600, V611, PVL611, V1300, PVL1300 and V250 may be used.

### Twist connectors for Cu-wires 10 - 35 mm<sup>2</sup>

- material copper
- for single strand and multi-strand wire, see note
- the connector is twisted in the opposite direction to the direction of lay of the wire strands
- twist tool: adjustable spanner



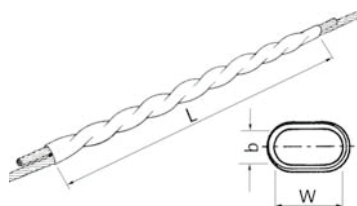
Cat. no. mm <sup>2</sup>	mm a	b	W	L	Pcs/ pack	No. of twists made	Marking Elpress logo XX = Year	Note
K10T	3,6	4,0	7,8	200	100	5	K10T XX	1
K16	5,2	5,8	11,1	250	100	3,5	K16 XX	2
K25	6,2	7,0	13,8	300	100	3,5	K25 XX	2
K35	7,5	8,3	16,2	350	100	3,5	K35 XX	2

#### Note

- 1 Single strand
- 2 Multi strand wire

### Twist connectors for Al-wires 31 - 99 mm<sup>2</sup>

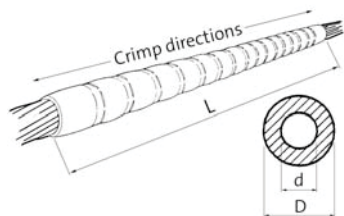
- material aluminium alloy
- the connector is twisted in the opposite direction to the direction of lay of the wire strands
- twist tool: adjustable spanner



Cat. no.	mm <sup>2</sup>	mm b	W	L	Pcs/ pack	No. of twists	Marking Elpress logo XX = Year
1006	31	9,1	17,3	355	100	3,5	1006 XX
1009	49	11,0	21	465	100	4	1009 XX
1010AL	62	12,0	23	480	10	4	1010 XX
1014AL	99	14,7	28	660	10	4,5	1014 XX

## Overhead connectors for alloy AlMgSi (Super B) and Al59 conductors 31 - 241 mm<sup>2</sup>

- material aluminium alloy
- for jointing overhead conductors AlMgSi (Super B) and Al59
- tested according to the requirements of the standard SS 424 1241
- the connector is supplied with inner surface covered with contact paste
- conductor must be cleaned before crimp

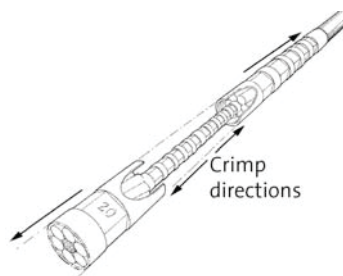


Cat. no. mm <sup>2</sup>	mm d	D	L	Pcs/ pack	No. of crimps	Marking Elpress logo XXXX = Year, week	Rec. tool
LFS31	8,0	15,0	200	10	2x5	LFS 31 16 XXXX ALMGSI	V1300, V250
LFS62	11,0	16,0	200	10	2x5	LFS62 16 XXXX ALMGSI	V1300, V250
LFS99	13,5	18,7	250	10	2x5/2x10**	LSF99 20 XXXX ALMGSI	V1300, V250
LFS157	17,5	24	400	5	2x8	LSF157 26 XXXX ALMGSI	V1300, V250
LFS241	21	30	450	5	2x8	LSF241 32 XXXX ALMGSI	V1300, V250

\*\* when crimping with T2600, V600, V611 and PVL611 2 x 10 crimps are necessary

## Overhead connectors for ACSR conductors 62 and 99 mm<sup>2</sup>

- outer Al-alloy connector + inner steel connector for the reinforcement wire
- meets the requirements of SS 424 12 41

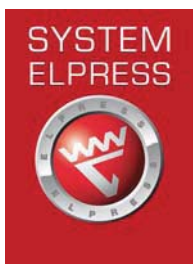


Crimp sequence, LFEAL.

Cat. no. mm <sup>2</sup>	mm d	D	L	kg/3	No. of crimps*	Marking Elpress logo XXXX = Year, week	Pcs/ pack	Rec. tool
LFEAL62	11	16	310	0,35	Al: 2x5 Steel: 2x5	LFEAL 62 6 XXXX	3	V1300, V250
LFEAL99	13,5 5	18,7 8	360 95	0,5	Al: 2x5 Steel: 2X5	LFEAL 99 20 XXXX LFEAL 99 8 XXXX	3 3	V1300, V250

\*Crimp sequence, see picture

# Hydraulic crimp systems for overhead connectors



## System Elpress

System Elpress consists of connectors and tools tested together for optimum connection result. The System concept makes you as a customer able to feel secure when using our system and to be sure a safe connections is made when Elpress products are used correctly.

## Hydraulic crimp systems

Elpress hydraulic crimp systems fit Elpress terminals and connectors from 10 to 1200 mm<sup>2</sup>. The systems comprise either pumps and crimp heads which can be freely combined or by complete hand held tools where these functions are integrated.

For crimping, prerounding of sectorised conductors, cable cutting, etc. there are a variety of accessories. Together with matching terminals the complete crimp system is formed. Both pumps and manual tools have, with a few exceptions, fast feed function that allows the actual crimping to start after the dies have rapidly been brought in contact with the terminal. There is also a full-closure function to safe-guard a complete crimp action.

### V1300-system



#### Cu terminals

V1300 system for crimping of Cu terminals 10-400 mm<sup>2</sup>. The V1300-system is also available in a C-version with an open head for crimping of Cu terminals in narrow spaces.



#### Al terminals

V1300 system for crimping of Al terminals and prerounding of Al conductors 16-400 mm<sup>2</sup>. Prerounding is done on sector-shaped Al conductors.

### V250-system



#### Cu terminals

V250-system for crimping of Cu terminals 10-800 mm<sup>2</sup>.



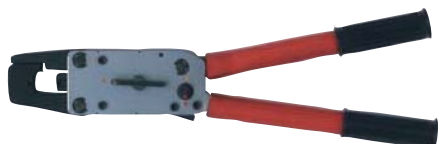
#### Al terminals

V250-system for crimping of Al terminals and prerounding of Al conductors 16-630 mm<sup>2</sup>. Prerounding is done on sector-shaped Al conductors.

## Tools for Cu terminals 10 - 240 mm<sup>2</sup>, Al terminals 16 - 25 mm<sup>2</sup> (-35 solid) mm<sup>2</sup> and C-sleeves 6 - 50 mm<sup>2</sup>

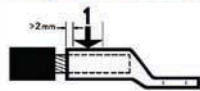
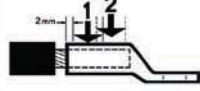
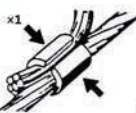
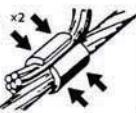
### T2600/T2600B/T2600C

T2600/T2600B/T2600C



Crimp types



EIPRESS		Hexagon	KSF	KRF	↓
 	TB	8	10	1	
		9	16	1	
		11	25	1	
		13	35	1	
		14,5	50	1	
		17	70	2	
	20	95	2		
		C			↓
 		C4		1	
		C5		1	
		C6		1	
		C8-9		2	

Information label for crimp tools T2600.

Mechanical handtool for crimping of Cu- and Al terminals:  
 T2600 for crimping of Cu terminals type KRF/KSF 10-95 mm<sup>2</sup>  
 T2600B for crimping of Cu terminals type KRK/KSD 10-120 mm<sup>2</sup>  
 T2600C for crimping of Cu terminals type KRT/KST 10-120 mm<sup>2</sup>

#### Particulars:

- rapid opening enables easy die change and quick removal after jointing
- crimp die (TB7) is available for solid 10 mm<sup>2</sup> Cu-connector, (for EXCL-type cable or similar)
- crimp force up to 57 kN
- rapid die closure and minimum handle force
- easy to operate in confined spaces
- only four dies are required to crimp 10 - 120 mm<sup>2</sup> Cu (KRD/KRT)
- rapid feed function
- supplied in a metal box
- equipped with full closure mechanism
- weight 1.9 kg
- length 440 mm, width 140 mm

V600



Crimp types



### V600

Crimp head for crimping Cu terminals of type KRF/KSF 10-150 mm<sup>2</sup>, KRK/KSD 10-185 mm<sup>2</sup>, KRT/KST 10-240 mm<sup>2</sup> and C-sleeves up to 50/50 mm<sup>2</sup>. Used together with footpump P4000, battery / mains powered pump PS710 and mains powered pump P1000.

#### Particulars:

- crimping force 55 kN
- robust textile bag with room for 10 die pairs
- weight 2.1 kg
- dimensions 189 x 53 x 74 mm

V611



Crimp types



## V611

Hydraulic tool for crimping of Cu terminals type KRF/KSF 10-150 mm<sup>2</sup>, KRD/KSD 10-185 mm<sup>2</sup>, KRT/KST 10-240 mm<sup>2</sup> and C-sleeves up to 50/50 mm<sup>2</sup>. Uses the same dies as T2600, V600 and PVL611.

### Particulars:

- two-step, fast feed piston movement to crimp engagement which makes the crimp cycle shorter
- crimp force 60 kN
- supplied in a robust textile bag with foam rubber insert
- weight 2.5 kg
- dimensions 425 x 115 x 53 mm

## PVL611

**PVL611DB, supplied with 2 batteries**

**PVL611-US, supplied with 115 VAC charger**

Battery crimp tool for crimping of Cu terminals type KRF/KSF 10-150 mm<sup>2</sup>, KRD/KSD 10-185 mm<sup>2</sup> and KRT/KST 10-240 mm<sup>2</sup> and C-sleeves up to 50/50 mm<sup>2</sup>. Uses the same dies as T2600, V600 and V611.

### Particulars:

- flexible and ergonomic design
- buzzing signal and flashing light if right pressure is not achieved
- LED lightning for work in dark environments
- possibility to document each crimp for unique service control
- crimp force 55 kN (6 ton)
- crimps/charge: 100-200 depending on size and temperature
- crimp time: 3-6 s depending on size
- working temperature -20°C to +40°C
- environmental friendly battery, Li-Ion Makita, 1.3 Ah, 18V
- 230 VAC battery charger Li-Ion Makita, charging time 15 min
- LED indication of charge status
- for service and installation use
- supplied with robust plastic case, battery, charger and instruction manual
- weight 2.5 kg, (incl battery)
- dimensions 387 x 116 x 75 mm

PVL611



Crimp types



## Accessories for crimping overhead line connectors with T2600, V600, V611 and PVL611



TBNP dies.

For overhead line connectors for alloy Al conductors, hexagonal crimping.

mm <sup>2</sup>	Dies	No. of crimps
31-99	TBNP16-20	Die side 16: 2x5 Die side 20: 2x10

## SYSTEM 1300 for Cu terminals and connectors 10 - 400 mm<sup>2</sup>, C-sleeves 6 - 120 mm<sup>2</sup> and Al terminals and connectors 16 - 400 mm<sup>2</sup>

V1300



Crimp types



### V1300

Crimp head for crimping of Cu terminals type KRF/KSF 10-400 mm<sup>2</sup>, KR D/KSD 10-400 mm<sup>2</sup>, KRT/KST 10-400 mm<sup>2</sup>, C-sleeves up to 120 mm<sup>2</sup>, Al terminals and connectors 16-240 mm<sup>2</sup>. Used with footpump P4000, battery / mains powered pump PS710 or mains powered pump P1000.

#### Particulars:

- equipped with oil spray safety protection cap
- light and flexible steel crimp head
- special nitrogen anti-corrosion surface treatment
- working pressure 63 MPa (630 bar)
- crimp force 130 kN (13 tons)
- weight 3.7 kg, excl. accessories
- length 270 mm, incl. quick coupling, width 82 mm

V1311



Crimp types



### V1311

Hydraulic handtool for crimping of Cu terminals type KRF/KSF 10-400 mm<sup>2</sup>, KR D/KSD 10-400 mm<sup>2</sup>, KRT/KST 10-400 mm<sup>2</sup>, C-sleeves up to 120 mm<sup>2</sup>, Al-terminals and connectors 16-240 mm<sup>2</sup>. Uses the same accessories as for V1300 above.

#### Particulars:

- automatic fast forward action
- requires low hand force, about 245 N at max. force
- crimp force 130 kN (13 tons)
- weight 4.9 kg, excl. accessories, length 590 mm

PVL1300



Crimp types



### PVL1300

PVL1300DB, supplied with 2 batteries

PVL1300-US, supplied with 115 VAC charger

Battery powered crimp tool for crimping of Cu terminals type KRF/KSF 10-400 mm<sup>2</sup>, KR D/KSD 10-400 mm<sup>2</sup>, KRT/KST 10-400 mm<sup>2</sup>, C-sleeves up to 120 mm<sup>2</sup>, Al terminals and connectors 16-240 mm<sup>2</sup>. Uses the same crimp accessories as the other products in the above V1300 System.

#### Particulars:

- ergonomic design that optimizes the balance of the tool in the users hand
- buzzing signal and flashing light if right pressure is not achieved
- LED lightning for work in dark environments
- possibility to document each crimp for unique service control
- for service and installation use
- crimp force 124 kN (13 ton)
- crimps/charge: 60-120 depending on size and temperature
- crimp time: 4-12 s depending on size
- working temperature -20°C to +40°C
- environmental friendly battery, Li-Ion Makita, 3.0 Ah, 18V
- 230VAC battery charger Li-Ion Makita, charging time 22 min
- LED indication of charge status
- supplied with robust plastic case, battery, charger and instruction
- weight 5.4 kg, (incl battery), dimensions 412 x 319 x 75 mm

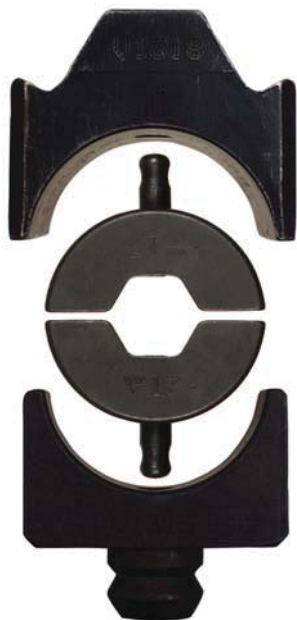


## Accessories for crimping overhead line connectors with V1300, V1311 and PVL1300

### Crimp dies

Supplied as a pair.

For hexagonal crimping of connectors for overhead conductors of AlMgSi (Super B) and Al 59.



mm <sup>2</sup>	Inner die holder	Outer die holder	Dies	No. of crimps
31-62	V1316	V1318	B16NP	2x5
99	V1316	V1318	B20NP	2x5
157			13B26*	2x16
241			13B32*	2x16

\* Used without die holders.

Supplied as a pair.

For hexagonal crimping of connectors for overhead ACSR conductors.

Die holders V1316 and V1318 to be used.

mm <sup>2</sup>	Steel connector (inner)		Al-connector (outer)	
	Dies	No. of crimps	Dies	No. of crimps
62	B6FE	2x5	B16NP	2x5
99	B8FE	2x5	B20NP	2x5

V1318 outer die holder + BNP type dies + V1316 inner die holder.

## SYSTEM V250 for crimping Cu terminals and connectors 10 - 800 mm<sup>2</sup>, C-sleeves up to 300 mm<sup>2</sup> and Al terminals and connectors 16 - 630 mm<sup>2</sup>

V250



Crimp types



### V250

Crimp head for crimping of Cu terminals type KRF/KSF, KRT/KST, KR D/KSD 10-800 mm<sup>2</sup>, C-sleeves up to 300 mm<sup>2</sup>, Al terminals and connectors 16-630 mm<sup>2</sup>. Used together with footpump P4000, battery / mains powered pump P5710 and mains powered pump P1000.

#### Particulars:

- equipped with oil spray safety protection cap
- working pressure 63 MPa (630 bar)
- crimp force 250 kN (25 ton)
- tested with Elpress pumps and connectors
- weight 4.6 kg, excl. accessories
- dimensions Ø 111 mm x 280 mm

## Accessories for crimping overhead line connectors with V250

### Crimp dies

Supplied in pairs.

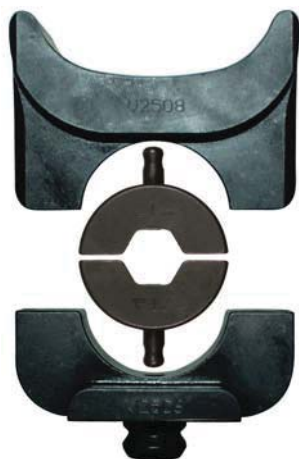
For hexagonal crimping of overhead line connectors for conductors **type AlMgSi**.

mm <sup>2</sup>	Die holder	Die holder	Dies	No. of crimps
31-62	V2506	V2508	B16NP	2 x 5
99	V2506	V2508	B20NP	2 x 5
157	V2506	V2508	B26NP	2 x 8
241	V2506	V2508	B32NP	2 x 8

Supplied in pairs.

For hexagonal crimping of overhead line connectors for conductors **type ACSR (FeAl)**.

mm <sup>2</sup>	Die holder	Die holder	Dies for steel sleeve	Dies for Al-sleeve	No. of crimps
62	V2506	V2508	B6FE	B16NP	2 x 5
99	V2506	V2508	B8FE	B20NP	2 x 5



Die holder V2508 + BNP-dies + die holder V2506.