Safak®

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Catalog

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UL TSE CE RoHS COMPLIANT RoHS COMPLIANT PCT EAC



COMPANY PROFILE

ŞAFAK ELEKTRİK A.Ş. is established in **1980** and continues its operation with **90 employees** in **11.000 m²** area facilities located in Selimpasa, Istanbul and manufactures & dispatches **10 different product** groups and ***1.500 products***. Şafak Elektrik A.Ş. is the first producer of the cable lugs and only producer with **UL certification**, in Turkey.

Our company supplies the following **product groups**: Compression Cable Lugs and Butt-connectors, Insulated – Non-insulated Cord-end Sleeves, Insulated – Non-insulated Terminals, Busbars & Mounting Rails, Cable Ties *(nylon, steel and coated steel)* and Accessories, Mechanical Hand Tools, Technical Sprays, Mechanical Crimpers, Cutters, Strippers, Hydraulic Crimping and Cutting Tools, Battery Operated Hydraulic Tools *(ELEC series)*.

Cable Lugs are the main product group of Şafak Elektrik A.Ş. and our company holds 55% of the market as the leader. We produce and supply the following cable lug types : SE (European Norm) Cable Lugs, DIN 46235 Norm Cable Lugs, Narrow Palm Cable Lugs, Bell-mouthed Cable Lugs(Fine stranded cables) Q3 2017, ST Cable Lugs, DIN 46234 Norm Round and Welded Cable Lugs, Aluminum Cable Lugs(plus aluminum butt-connectors), Bi-metal AL/CU cable lugs etc.

Şafak Elektrik A.Ş. management principles:

- Producing high quality products and providing the best service to our customers.
- Supplying these products and services with efficient procedures at timely manner.
- Applying a systematic control mechanism upon design, production, functionality and quality criteria for our products and services.

Quality Standards
UL Certification - File Number: **E 346154**
IEC - 61238-1
TSE – TS 12123 / 07.01.1997
ISO 9001 : 2015
CE-Declaration of conformity – Directive of Low Voltage 2014/35/EU
EAC
RoHS Certificate

INDEX

1 Cable Lugs and Butt-connectors

Ekko Type ... 01
ST Type ... 03
ST Type 45° ... 05
ST Type 90° ... 05
ST Type Butt-connectors ... 06
SE-EuroType ... 08
SE-EuroType 45° ... 10
SE-EuroType 90° ... 12
SE-EuroType Butt-connectors ... 14
Narrow Palm SE Type ... 15
Double Hole SE Type ... 16
DIN 46235 Type ... 19
DIN 46267 Type Butt-connectors ... 21
DIN 46234 Type Round and Welded ... 23
Aluminum ... 26
DIN 46267 Aluminum Butt-connectors ... 27
Aluminum Bolted Lugs - Medium Voltage - 35 kV ... 29
Aluminum Bolted Low Voltage Butt-Connector - 1kV ... 30
Aluminum Bolted Medium Voltage Butt-Connector - 35kV ... 31
Bi-metal Bolted Cable Lugs Low Voltage - 1kV ... 32
Bi-metal Bolted Medium Voltage Cable Lugs - MV 35kV ... 33
Bi-metal (CU/AL) ... 34
Bi-metal (AL/CU) Butt-Connector ... 36

38 Insulated - Non-insulated Cord-end Sleeves

Cord-end Terminals French Color Norm (DIN 46228) ... 38
Cord-end Terminals German Color Norm (DIN 46228) ... 38
Insulated Twin Cord End Terminals (DIN 46228) ... 39
Non-Insulated Cord End Terminals (DIN 46228) ... 40

41 Insulated – Non-insulated Terminals

Ring Type Insulated Cable Terminals (DIN 46237) ... 41
Fork Type Insulated Cable Terminals (DIN 46237) ... 41
Pin Type Insulated Cable Terminals ... 42
Blade Type Insulated Cable Terminals ... 42
Butt-splice Connectors Insulated Cable Terminals ... 42
DIN 46230 Type Non- Insulated Cable Terminals - (Welded) ... 42
Male Terminals - Insulated Cable Terminals (Extra Copper Sleeve) ... 43
Female Terminals - Insulated Cable Terminals (Extra Copper Sleeve) ... 43
Female Disconnectors - Insulated Cable Terminals (Extra Copper Sleeve) ... 43
Fully Insulated Female Disconnectors - Insulated Cable Terminals (Extra Copper Sleeve) ... 44
Fully Poliamid Insulated Female Disconnectors (Extra Copper Sleeve) ... 44
Male Disconnectors (Extra Copper Sleeve) ... 44
Piggy Back Disconnectors Insulated Cable Terminals (Extra Copper Sleeve) ... 45
Flag Female Disconnectors - Insulated Cable Terminals ... 45

46 Busbars and Automat Rails

MCB Busbars ... 46
Neutral Busbars ... 47
Distribution Blocks ... 47

INDEX

49 **Wiring Ducts and Accessories**
Wiring Ducts and Wiring Duct Covers 49
Cable Retainer 50
Wiring Duct Cutter 50

51 **Cable Ties and Accessories**
Natural Cable Ties - Nylon 6.6 51
Self-adhesive Nylon Square Base 51
Saddle Natural Nylon Support 51
Black Cable Ties - Nylon 6.6 51
Cable Tie Fixing Apparatus 51
Stainless Steel Cable Ties 53
Stainless Steel Label 53
Stainless Steel Cable Ties Polyester Coated -304 Steel 54
Stainless Steel Cable Ties Polyester Coated -316 Steel 54

55 **Heavy Duty Hand Tools**
Cord-end Sleeve Crimping Tools 55
Insulated Terminals Crimping Tools 56
Non-insulated Terminals and Connectors Crimping Tools 56
Cable Lug Crimping Tools 57
Connector Crimping Tools 57
Cable Stripping Tools 58

61 **Hand Tools**
Cord-end Sleeve Crimping Tools 61
Insulated Terminals Crimping Tools 62
Non-insulated Terminals and Connectors Crimping Tools 62
Cable Lug Crimping Tools 63
Connector Crimping Tools 63
Cable Tie Tensioning Tools 64
Cable Stripping Tools 64

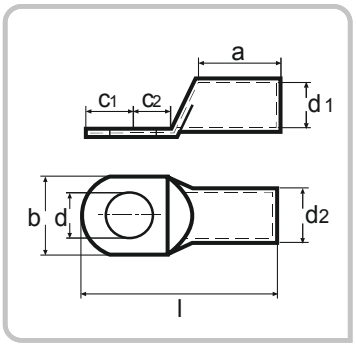
65 **Mechanical Crimpers and Cutters**
Cable Lug Crimping Tools 65
XLPE Cable Stripping Tools 66
Copper Cable Cutters 67
ACSR Cable Cutters 70

71 **Hydraulic Tools**
Hydraulic Crimping Tools and Heads 71
Hydraulic Cutters and Cutting Heads 74
Hydraulic Pumps and Accessories 76
Battery Operated Hydraulic Crimping and Cutting Tools 77
Battery Operated Tools Accessories 86

87 **Şafak Die Types**
SFK60ST Series 87
SFK65ST Series 87
SFK60SE Series 88
SFK60D Series 88
SFK60D Series 89
SFK60N Series 89
SFK130ST Series 90
SFK130SE Series 90
SFK130D Series 91
SFK130N Series 91
SFK130H Series 92
SFK130C Series 92
SFK130BS Series 93
SFK130AL Series 93

Ekko Type *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with ST series dies.

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm)								Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l	a	b	c1	c2		
E 01005	**10 mm²**	**M5**	5,3	4,5	6,0	27	9	8,6	5,5	7,0	800	2,10
E 01606	**16 mm²**	**M6**	6,4	5,5	7,0	30	11	10,5	5,5	6,5	500	1,70
E 02508	**25 mm²**	**M8**	8,3	7,0	9,0	38,5	12	13	6,8	9,2	300	2,20
E 03508	**35 mm²**	**M8**	8,3	8,5	10,5	43,5	14	15,5	8,3	9,7	200	2,00
E 05010	**50 mm²**	**M10**	10,3	10,0	12,0	51,5	17	17,9	10,0	12,0	150	2,20
E 07010	**70 mm²**	**M10**	10,3	11,5	14,0	55,5	18	20,7	10,0	12,0	100	2,30
E 09510	**95 mm²**	**M10**	10,3	13,5	16,0	58,5	21	23,5	10,0	12,0	80	2,20
E 12012	**120 mm²**	**M12**	12,8	15,5	18,0	71	25	26,7	13,5	14,5	50	1,90
E 15012	**150 mm²**	**M12**	12,8	16,5	20,0	76	26	29,2	16,5	16,5	30	2,10
E 18516	**185 mm²**	**M16**	16,5	18,5	22,0	82	29	32,3	170	18,0	30	2,15
E 24016	**240 mm²**	**M16**	16,5	21,5	25,5	91	33	37,6	17,0	18,0	25	2,70

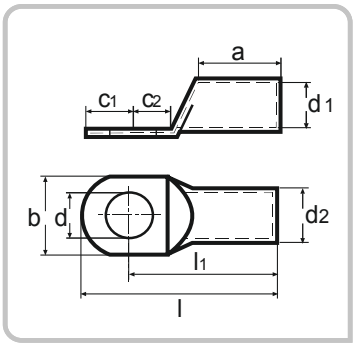
- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification

RECOMMENDED HAND TOOLS

"Crimping Range mm² "	Tool Code	"Mechanical Crimping Tools"	"Mechanical Crimping Tools with Revolving Dies"	"Hydraulic Crimping Tools"	"Hydraulic Crimping Heads"	"Battery Operated Hydraulic Crimping Tools"	"Crimping Profile"	Page
6-50	SP-0650		*					P65
6-240	SFK-60MINI ELEC					*		P77
	SFK-60MINI S ELEC					*		P78
	SFK-60 ELEC					*		P79
	SFK-60S ELEC					*		P80
10-120	SP-120	*						P65
	SP-10120		*					P65
10-240	S-6			*				P71
	SP-300	*						P65
	S-60			*				P71
16-240	SC-130			*				P71
	SXC-130				*			P72
	SC-130L			*				P71
	SXC-130L				*			P72
	SFK-120 ELEC					*		P81
	SFK-120L ELEC					*		P82
	SHK-25				*			P72
	SHK-45				*			P73
25-150	SP-25150		*					P65

ST Type *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with ST series dies.

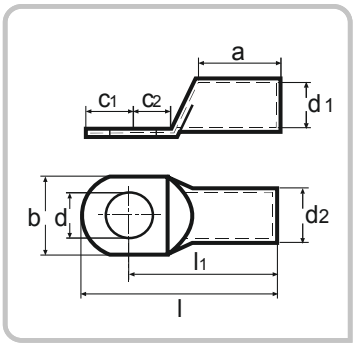
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	l	l1	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
ST 01005		**M5**	**5,5**	**4,7**	**6,6**	**27,5**	**22**	**10**	**10,3**	**5,5**	**7**	**800**	**2,80**
ST 01006	**10 mm²**	M6	6,5	4,7	6,6	27,5	22	10	10,3	5,5	7	800	2,80
ST 01008		M8	8,5	4,7	6,6	30,5	23,7	10	13,5	6,8	8,7	800	2,80
ST 01605		M5	5,5	5,6	7,8	29,5	24	12	11,2	5,5	6,5	500	2,60
ST 01606	**16 mm²**	**M6**	**6,5**	**5,6**	**7,8**	**29,5**	**24**	**12**	**11,2**	**5,5**	**6,5**	**500**	**2,70**
ST 01608		M8	8,5	5,6	7,8	33	26,2	12	13,5	6,8	8,7	500	2,90
ST 01610		M10	10,5	5,6	7,8	33,5	26	12	16	7,5	8,5	500	2,90
ST 02506		M6	6,5	7,1	9,5	39	32,2	16	13,7	6,8	9,2	300	3,00
ST 02508	**25 mm²**	**M8**	**8,5**	**7,1**	**9,5**	**39**	**32,2**	**16**	**13,7**	**6,8**	**9,2**	**300**	**2,75**
ST 02510		M10	10,5	7,1	9,5	42	34	16	16	8	11	300	2,90
ST 02512		M12	13	7,1	9,5	45	35	16	18	10	12	300	2,90
ST 03506		M6	6,5	8,2	10,8	44	35,7	19	15,3	8,3	9,7	200	2,80
ST 03508	**35 mm²**	**M8**	**8,5**	**8,2**	**10,8**	**44**	**35,7**	**19**	**15,3**	**8,3**	**9,7**	**200**	**2,80**
ST 03510		**M10**	**10,5**	**8,2**	**10,8**	**48**	**38**	**19**	**15,7**	**10**	**12**	**200**	**2,80**
ST 03512		M12	13	8,2	10,8	48	38	19	18	10	12	200	2,80
ST 05006		M6	6,5	10,1	13	47,5	39,2	21	18,9	8,3	9,7	150	3,00
ST 05008		M8	8,5	10,1	13	47,5	39,2	21	18,9	8,3	9,7	150	3,10
ST 05010	**50 mm²**	**M10**	**10,5**	**10,1**	**13**	**51,5**	**41,5**	**21**	**18,9**	**10**	**12**	**150**	**3,30**
ST 05012		M12	13	10,1	13	51,5	41,5	21	18,9	10	12	150	3,10
ST 05014		M14	15	10,1	13	56,5	44,5	21	22	12	15	150	3,30
ST 07008		M8	8,5	11,5	14,7	50,6	42,3	23	21,1	8,3	9,7	100	2,80
ST 07010		**M10**	**10,5**	**11,5**	**14,7**	**54,6**	**44,6**	**23**	**21,1**	**10**	**12**	**100**	**3,00**
ST 07012	**70 mm²**	M12	13	11,5	14,7	54,6	44,6	23	21,1	10	12	100	2,80
ST 07014		M14	15	11,5	14,7	62,6	47,6	23	21,5	15	15	100	3,40
ST 07016		M16	17	11,5	14,7	62,6	47,6	23	21,5	15	15	100	3,20
ST 09508		M8	8,5	13,5	16,7	58,8	48,8	26	24,7	10	12	80	3,00
ST 09510		**M10**	**10,5**	**13,5**	**16,7**	**58,8**	**48,8**	**26**	**24,7**	**10**	**12**	**80**	**3,00**
ST 09512	**95 mm²**	**M12**	**13**	**13,5**	**16,7**	**58,8**	**48,8**	**26**	**24,7**	**10**	**12**	**80**	**2,90**
ST 09514		M14	15	13,5	16,7	66,8	51,8	26	24,7	15	15	80	3,20
ST 09516		M16	17	13,5	16,7	66,8	51,8	26	24,7	15	15	80	3,10

- The cable lugs for which the cross sections are written with bold letters are standard production. Please ask the stock quantity for the other bolt types
- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification.

ST Type *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with ST series dies.

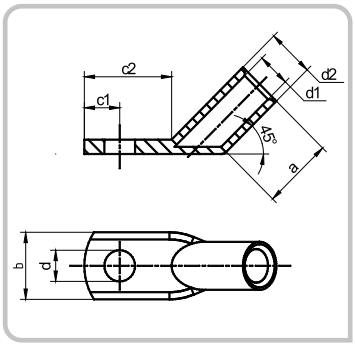
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm)									Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l	l1	a	b	c1	c2		
ST 12010		M10	10,5	15,6	19	69	56	29	27,7	13	14,5	50	2,70
ST 12012		**M12**	**13**	**15,6**	**19**	**69**	**56**	**29**	**27,7**	**13**	**14,5**	**50**	**2,60**
ST 12014	**120 mm²**	M14	15	15,6	19	69	56	29	27,7	13	14,5	50	2,50
ST 12016		M16	17	15,6	19	69	56	29	27,7	13	14,5	50	2,40
ST 12020		M20	21	15,6	19	69	56	29	27,7	13	14,5	50	2,10
ST 15010		M10	10,5	16,5	21	76,5	60	30	30,4	16,5	16,5	30	2,60
ST 15012	150 mm²	**M12**	**13**	**16,5**	**21**	**76,5**	**60**	**30**	**30,4**	**16,5**	**16,5**	**30**	**2,50**
ST 15014		M14	15	16,5	21	76,5	60	30	30,4	16,5	16,5	30	2,40
ST 15016		M16	17	16,5	21	76,5	60	30	30,4	16,5	16,5	30	2,40
ST 18510		M10	10,5	18,4	23	82,5	65,5	33	34,2	17	18	30	3,00
ST 18512	185 mm²	M12	13	18,4	23	82,5	65,5	33	34,2	17	18	30	3,00
ST 18514		M14	15	18,4	23	82,5	65,5	33	34,2	17	18	30	2,90
ST 18516		**M16**	**17**	**18,4**	**23**	**82,5**	**65,5**	**33**	**34,2**	**17**	**18**	**30**	**2,90**
ST 24010		M10	10,5	21	26	89	72	38	38,7	17	18	25	3,70
ST 24012	240 mm²	M12	13	21	26	89	72	38	38,7	17	18	25	3,70
ST 24014		M14	15	21	26	89	72	38	38,7	17	18	25	3,70
ST 24016		**M16**	**17**	**21**	**26**	**89**	**72**	**38**	**38,7**	**17**	**18**	**25**	**3,60**
ST 30012		M12	13	23,4	28,6	95	77	41	42,6	18	18	20	3,50
ST 30014	300 mm²	M14	15	23,4	28,6	95	77	41	42,6	18	18	20	3,40
ST 30016		**M16**	**17**	**23,4**	**28,6**	**95**	**77**	**41**	**42,6**	**18**	**18**	**20**	**3,20**
ST 40012		M12	13	26,8	32,8	108,2	88,2	48	48,3	20	20	12	3,40
ST 40016	400 mm²	M16	17	26,8	32,8	108,2	88,2	48	48,3	20	20	12	3,40
ST 40020		**M20**	**21**	**26,8**	**32,8**	**108,2**	**88,2**	**48**	**48,3**	**20**	**20**	**12**	**3,40**
ST 50016	500 mm²	M16	17	29,8	38,4	115,5	93	48	54,9	22,5	22,5	8	3,40
ST 50020		**M20**	**21**	**29,8**	**38,4**	**115,5**	**93**	**48**	**54,9**	**22,5**	**22,5**	**8**	**3,40**
ST 60020	**600 mm²**	**M20**	**21**	**34,5**	**44**	**133,1**	**110,1**	**61**	**63**	**23**	**23**	**6**	**4,20**

- The cable lugs for which the cross sections are written with bold letters are standard production. Please ask the stock quantity for the other bolt types
- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification.

ST Type 45° *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tem pered during production process.

⚠ These lugs must be crimped with ST series dies.

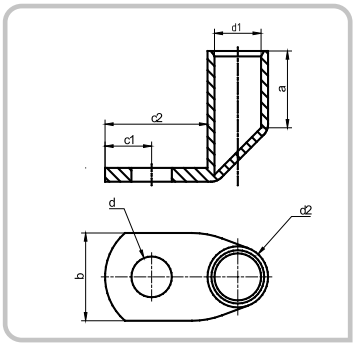
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Bolt Ø	Dimensions (mm)						
		d	d1	d2	a	b	c1	c2
ST45 01005	**M 5**	5,5	4,7	6,6	11,5	12,0	5,5	12,5
ST45 01606	**M 6**	6,5	5,6	7,8	13,0	12,0	5,5	12,0
ST45 02508	**M 8**	8,5	7,1	9,5	17,5	13,5	6,8	16,0
ST45 03508	**M 8**	8,5	8,2	10,8	20,0	16,0	8,3	18,0
ST45 05010	**M 10**	10,5	10,1	13,0	22,5	18,0	10,0	22,0
ST45 07010	**M 10**	10,5	11,5	14,7	24,0	21,5	10,0	22,0
ST45 09510	**M 10**	10,5	13,5	16,7	27,0	25,0	10,0	22,0
ST45 12012	**M 12**	13,0	15,6	19,0	30,0	29,0	13,0	27,5
ST45 15012	**M 12**	13,0	16,5	21,0	30,0	31,0	14,0	31,0
ST45 18516	**M 16**	17,0	18,4	23,0	34,5	37,0	17,0	35,0
ST45 24016	**M 16**	17,0	21,2	26,4	35,0	41,0	17,0	35,0

- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification

ST Type 90° *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with ST series dies.

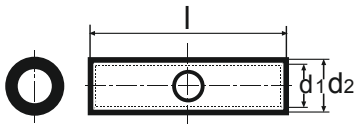
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Bolt Ø	Dimensions (mm)						
		d	d1	d2	a	b	c1	c2
ST90 01005	**M 5**	5,5	4,7	6,6	11,5	12,0	5,5	12,5
ST90 01606	**M 6**	6,5	5,6	7,8	13,0	12,0	5,5	12,0
ST90 02508	**M 8**	8,5	7,1	9,5	17,5	13,5	6,8	16,0
ST90 03508	**M 8**	8,5	8,2	10,8	20,0	16,0	8,3	18,0
ST90 05010	**M 10**	10,5	10,1	13,0	22,5	18,0	10,0	22,0
ST90 07010	**M 10**	10,5	11,5	14,7	24,0	21,5	10,0	22,0
ST90 09510	**M 10**	10,5	13,5	16,7	27,0	25,0	10,0	22,0
ST90 12012	**M 12**	13,0	15,6	19,0	30,0	29,0	13,0	27,5
ST90 15012	**M 12**	13,0	16,5	21,0	30,0	31,0	14,0	31,0
ST90 18516	**M 16**	17,0	18,4	23,0	34,5	37,0	17,0	35,0
ST90 24016	**M 16**	17,0	21,2	26,4	35,0	41,0	17,0	35,0

- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification

Standard Type Butt-connectors





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ These butt-connectors must be crimped with ST series dies.

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Dimensions (mm) d1	d2	L	Package Amount (Pcs)	Package Weight (~kg)
ST EM006	**6 mm²**	3,8	5,5	30	800	2,30
ST EM010	**10 mm²**	4,7	6,6	29	600	2,50
ST EM016	**16 mm²**	5,6	7,8	32	400	2,50
ST EM025	**25 mm²**	7,1	9,5	40,5	250	2,80
ST EM035	**35 mm²**	8,2	10,8	45,5	150	2,30
ST EM050	**50 mm²**	10,1	13	53,5	90	2,30
ST EM070	**70 mm²**	11,5	14,7	57,5	65	2,20
ST EM095	**95 mm²**	13,5	16,7	61,5	50	2,10
ST EM120	**120 mm²**	15,6	19	74	40	2,40
ST EM150	**150 mm²**	16,5	21	79	25	2,30
ST EM185	**185 mm²**	18,4	23	85	22	2,50
ST EM240	**240 mm²**	21	26	94	18	2,90
ST EM300	**300 mm²**	23,4	28,6	98,5	10	2,00
ST EM400	**400 mm²**	26,8	32,8	112	5	2,30
ST EM500	**500 mm²**	29,8	38,4	120	5	2,36
ST EM600	**600 mm²**	34,5	44	140	5	3,09

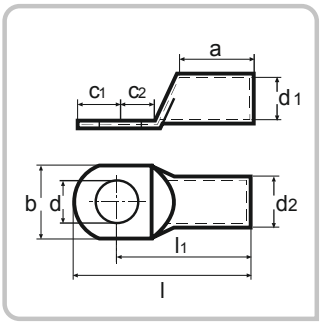
- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification

RECOMMENDED HAND TOOLS

"Crimping Range mm² "	Tool Code	"Mechanical Crimping Tools"	"Mechanical Crimping Tools with Revolving Dies"	"Hydraulic Crimping Tools"	"Hydraulic Crimping Heads"	"Battery Operated Hydraulic Crimping Tools"	"Crimping Profile"	Page
6-50	SP-0650		*					P65
6-240	SFK-60MINI ELEC					*		P77
6-300	SFK-60MINI S ELEC					*		P78
	SFK-60 ELEC					*		P79
	SFK-60S ELEC					*		P80
10-120	SP-120	*						P65
	SP-10120		*					P65
10-240	S-6			*				P71
10-300	SP-300	*						P65
	S-60			*				P71
16-300	SC-130			*				P71
	SXC-130				*			P72
	SFK-120 ELEC					*		P81
16-400	SC-130L			*				P71
	SXC-130L				*			P72
	SFK-120L ELEC					*		P82
16-600	SHK-25				*			P72
	SHK-45				*			P73
25-150	SP-25150		*					P65
625	SHK-110				*			P73

SE (EuroType) *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

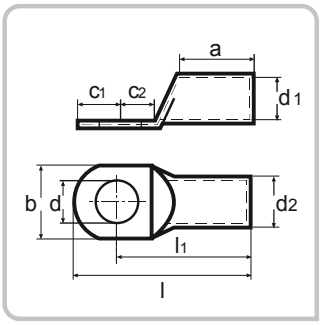
⚠ These lugs must be crimped with SE series dies.

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm)									Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l	l1	a	b	c1	c2		
SE 00606	**6 mm²**	M6	6,5	3,5	6,5	27,5	21	9	12,0	6,5	7,5	600	3,28
SE 00608		M8	8,5	3,5	6,5	33,0	23	9	15,0	10,0	10,0	600	3,51
SE 01005	**10 mm²**	M5	5,5	4,5	7	28,5	22	10	12	6,5	7,5	600	3,24
SE 01006		**M6**	**6,5**	**4,5**	**7**	**28,5**	**22**	**10**	**12**	**6,5**	**7,5**	**600**	**3,08**
SE 01008		M8	8,5	4,5	7	35	25	10	15	10	10	600	3,62
SE 01010		M10	10,5	4,5	7	39	27	10	17	12	12	600	3,97
SE 01606	**16 mm²**	M6	6,5	5,5	8,5	33,25	27	13	12	6,25	7,5	400	3,54
SE 01608		**M8**	**8,5**	**5,5**	**8,5**	**37,5**	**29**	**13**	**15**	**8,5**	**9,5**	**400**	**3,91**
SE 01610		M10	10,5	5,5	8,5	41,5	31	13	17	10,5	11,5	400	4,17
SE 02505	**25 mm²**	M5	5,5	7	10	37,5	30	15	14	7,5	7,5	250	3,24
SE 02506		M6	6,5	7	10	37,5	30	15	14	7,5	7,5	250	3,19
SE 02508		**M8**	**8,5**	**7**	**10**	**42**	**32**	**15**	**16**	**10**	**10**	**250**	**3,44**
SE 02510		M10	10,5	7	10	46	34	15	18	12	12	250	3,59
SE 02512		M12	13	7	10	48	35	15	19	13	13	250	3,52
SE 03506	**35 mm²**	M6	6,5	8,5	12	39,5	32	17	17	7,5	7,5	150	2,87
SE 03508		**M8**	**8,5**	**8,5**	**12**	**44**	**34**	**17**	**17**	**10**	**10**	**150**	**2,84**
SE 03510		M10	10,5	8,5	12	49	37	17	19	12	12	150	3,28
SE 03512		M12	13	8,5	12	51	38	17	21	13	13	150	3,27
SE 05006	**50 mm²**	M6	6,5	10	14	47	37	19	20	10	10	120	3,65
SE 05008		M8	8,5	10	14	47	37	19	20	10	10	120	3,54
SE 05010		**M10**	**10,5**	**10**	**14**	**51**	**39**	**19**	**20**	**12**	**12**	**120**	**3,82**
SE 05012		M12	13	10	14	56	43	19	23	13	13	120	3,98
SE 05014		M14	15	10	14	59,5	45	19	23	14,5	14,5	120	4,15
SE 05016		M16	17	10	14	62	46	19	28	16	16	120	4,28
SE 07008	**70 mm²**	M8	8,5	12	16,5	53	43	21	23	10	10	80	3,64
SE 07010		**M10**	**10,5**	**12**	**16,5**	**56**	**44**	**21**	**23**	**12**	**12**	**80**	**3,85**
SE 07012		M12	13	12	16,5	59	46	21	23	13	13	80	3,79
SE 07014		M14	15	12	16,5	62,5	48	21	23	14,5	14,5	80	3,98
SE 09508	**95 mm²**	M8	8,5	13,5	18	60	48	25	26	12	12	60	3,45
SE 09510		M10	10,5	13,5	18	60	48	25	26	12	12	60	3,43
SE 09512		**M12**	**13**	**13,5**	**18**	**62**	**49**	**25**	**26**	**13**	**13**	**60**	**3,38**
SE 09514		M14	15	13,5	18	65,5	51	25	26	14,5	14,5	60	3,48
SE 09516		M16	17	13,5	18	70	54	25	28	16	16	60	3,67

SE (EuroType) *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with SE series dies.

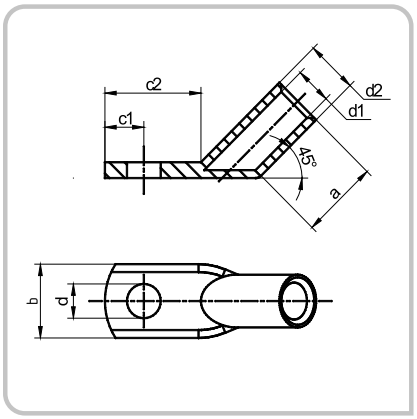
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	l	l1	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
SE 12008		M8	8,5	15	19,5	65	51	26	28	14	14	50	3,37
SE 12010		M10	10,5	15	19,5	65	51	26	28	14	14	50	3,32
SE 12012	**120 mm²**	**M12**	**13**	**15**	**19,5**	**65**	**51**	**26**	**28**	**14**	**14**	**50**	**3,22**
SE 12014		M14	15	15	19,5	67	52	26	28	15	15	50	3,27
SE 12016		M16	17	15	19,5	70	54	26	30	16	16	50	3,38
SE 15008		M8	8,5	16,5	21	70	56	30	31	14	14	30	2,4
SE 15010		M10	10,5	16,5	21	70	56	30	31	14	14	30	2,44
SE 15012	**150 mm²**	**M12**	**13**	**16,5**	**21**	**72**	**57**	**30**	**31**	**15**	**15**	**30**	**2,44**
SE 15014		M14	15	16,5	21	72	57	30	31	15	15	30	2,38
SE 15016		M16	17	16,5	21	74	58	30	31	16	16	30	2,43
SE 18510		M10	10,5	19	24	83	65	30	35	18	18	25	2,96
SE 18512	**185 mm²**	M12	13	19	24	83	65	30	35	18	18	25	2,94
SE 18514		M14	15	19	24	83	65	30	35	18	18	25	2,91
SE 18516		**M16**	**17**	**19**	**24**	**83**	**65**	**30**	**35**	**18**	**18**	**25**	**2,86**
SE 24010		M10	10,5	21	26	93,5	72	35	39	21,5	19	25	3,97
SE 24012		M12	13	21	26	93,5	72	35	39	21,5	19	25	3,93
SE 24014	**240 mm²**	M14	15	21	26	93,5	72	35	39	21,5	19	25	3,71
SE 24016		**M16**	**17**	**21**	**26**	**93,5**	**72**	**35**	**39**	**21,5**	**19**	**25**	**3,64**
SE 24020		M20	21	21	26	93,5	72	35	39	21,5	19	25	3,40
SE 30012	**300 mm²**	M12	13	23,4	28,6	111	87	44	43	24	24	10	2,35
SE 30016		**M16**	**17**	**23,4**	**28,6**	**111**	**87**	**44**	**43**	**24**	**24**	**10**	**2,35**
SE 40020	**400 mm²**	**M20**	**21**	**27**	**34**	**114**	**90**	**44**	**49**	**24**	**24**	5	1,57

- The cable lugs for which the cross sections are written with bold letters are standard production. Please ask the stock quantity for the other bolt types
- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification.

SE (EuroType) 45° *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with SE series dies.

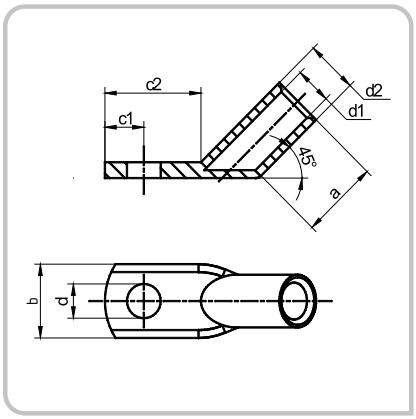
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
SE45 01005		**M5**	5,5	4,5	7,0	10,0	12,0	6,5	16,5	600	3,62
SE45 01006	**10 mm²**	**M6**	**6,5**	**4,5**	**7,0**	**10,0**	**12,0**	**6,5**	**16,5**	**600**	**3,62**
SE45 01008		**M8**	8,5	4,5	7,0	10,0	15,0	10,0	23,0	600	3,92
SE45 01606		**M6**	6,5	5,5	8,5	13,0	12,0	7,5	18,5	400	3,94
SE45 01608	**16 mm²**	**M8**	**8,5**	**5,5**	**8,5**	**13,0**	**15,0**	**10,0**	**23,0**	**400**	**4,34**
SE45 01610		**M10**	10,5	5,5	8,5	13,0	17,0	12,0	27,0	400	4,78
SE45 02506		**M6**	6,5	7,0	10,0	15,0	14,0	7,5	18,5	250	3,61
SE45 02508	**25 mm²**	**M8**	**8,5**	**7,0**	**10,0**	**15,0**	**16,0**	**10,0**	**23,0**	**250**	**3,84**
SE45 02510		**M10**	10,5	7,0	10,0	15,0	18,0	12,0	27,0	250	4,06
SE45 03506		**M6**	6,5	8,5	12,0	17,0	17,0	7,5	18,5	150	3,69
SE45 03508	**35 mm²**	**M8**	**8,5**	**8,5**	**12,0**	**17,0**	**17,0**	**10,0**	**23,0**	**150**	**3,98**
SE45 03510		**M10**	10,5	8,5	12,0	17,0	19,0	12,0	27,0	150	4,01
SE45 05006		**M6**	6,5	10,0	14,0	19,0	20,0	10,0	23,0	90	3,21
SE45 05008	**50 mm²**	**M8**	8,5	10,0	14,0	19,0	20,0	10,0	23,0	90	3,13
SE45 05010		**M10**	**10,5**	**10,0**	**14,0**	**19,0**	**20,0**	**12,0**	**28,0**	**90**	**3,31**
SE45 05012		**M12**	10,5	10,0	14,0	19,0	20,0	12,0	28,0	90	3,48
SE45 07008		**M8**	8,5	12,0	16,5	21,0	23,0	10,0	24,0	65	3,28
SE45 07010	**70 mm²**	**M10**	**10,5**	**12,0**	**16,5**	**21,0**	**23,0**	**12,0**	**28,0**	**65**	**3,54**
SE45 07012		**M12**	10,5	12,0	16,5	21,0	23,0	12,0	28,0	65	3,57
SE45 09508		**M8**	8,5	13,5	18,0	25,0	26,0	12,0	26,0	50	3,19
SE45 09510	**95 mm²**	**M10**	10,5	13,5	18,0	25,0	26,0	12,0	29,0	50	3,2
SE45 09512		**M12**	**10,5**	**13,5**	**18,0**	**25,0**	**26,0**	**12,0**	**29,0**	**50**	**3,38**
SE45 12010	**120 mm²**	**M10**	10,5	15,0	19,5	26,0	28,0	14,0	31,0	40	3,00
SE45 12012		**M12**	**13,0**	**15,0**	**19,5**	**26,0**	**28,0**	**14,0**	**32,0**	**40**	**2,99**
SE45 15010		**M10**	10,5	16,5	21,0	30,0	31,0	14,0	31,0	25	2,51
SE45 15012	**150 mm²**	**M12**	**13,0**	**16,5**	**21,0**	**30,0**	**31,0**	**15,0**	**33,0**	**25**	**2,27**
SE45 15016		**M16**	13,0	16,5	21,0	30,0	31,0	15,0	33,0	25	2,55

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- Our company reserves the right of changing the dimension of the products without any prior notification

SE (EuroType) 45° *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with SE series dies.

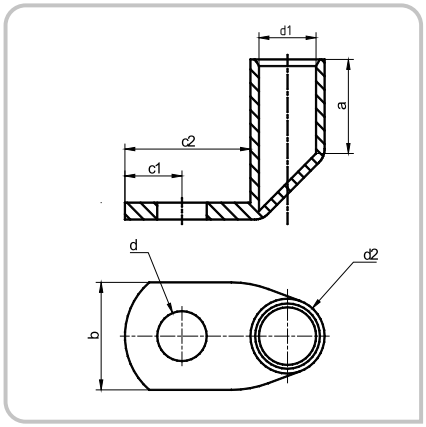
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt	Dimensions (mm) d	d1	d2	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
SE45 18510		**M10**	10,5	19,0	24,0	30,0	35,0	18,0	40,0	22	3,05
SE45 18512	**185 mm²**	**M12**	13,0	19,0	24,0	30,0	35,0	18,0	40,0	22	2,90
SE45 18516		**M16**	**13,0**	**19,0**	**24,0**	**30,0**	**35,0**	**18,0**	**40,0**	**22**	**2,60**
SE45 24010		**M10**	10,5	21,0	26,0	35,0	39,0	21,5	43,5	18	3,20
SE45 24012	**240 mm²**	**M12**	13,0	21,0	26,0	35,0	39,0	21,5	43,5	18	3,18
SE45 24016		**M16**	**13,0**	**21,0**	**26,0**	**35,0**	**39,0**	**21,5**	**43,5**	**18**	**2,99**

- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification

SE (EuroType) 90° *Cable Lugs*





Features

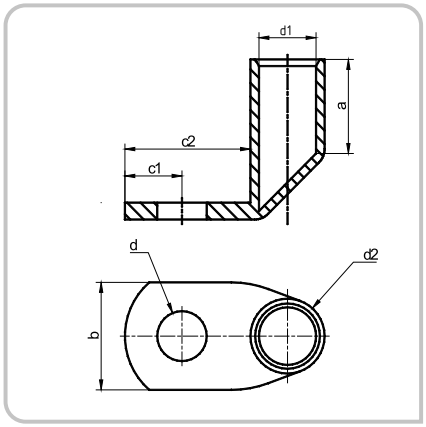
- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with SE series dies.

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt	Dimensions (mm) d	d1	d2	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
SE90 01005		**M5**	5,5	4,5	7,0	10,0	12,0	6,5	16,5	600	3,84
SE90 01006	**10 mm²**	**M6**	**6,5**	**4,5**	**7,0**	**10,0**	**12,0**	**6,5**	**16,5**	**600**	**3,77**
SE90 01008		**M8**	8,5	4,5	7,0	10,0	15,0	10,0	23,0	600	4,46
SE90 01606		**M6**	6,5	5,5	8,5	13,0	12,0	7,5	18,5	400	4,14
SE90 01608	**16 mm²**	**M8**	**8,5**	**5,5**	**8,5**	**13,0**	**15,0**	**10,0**	**23,0**	**400**	**4,42**
SE90 01610		**M10**	10,5	5,5	8,5	13,0	17,0	12,0	27,0	400	4,78
SE90 02506		**M6**	6,5	7,0	10,0	15,0	14,0	7,5	18,5	250	3,64
SE90 02508	**25 mm²**	**M8**	**8,5**	**7,0**	**10,0**	**15,0**	**16,0**	**10,0**	**23,0**	**250**	**3,93**
SE90 02510		**M10**	10,5	7,0	10,0	15,0	18,0	12,0	27,0	250	4,09
SE90 03506		**M6**	6,5	8,5	12,0	17,0	17,0	7,5	18,5	150	3,38
SE90 03508	**35 mm²**	**M8**	**8,5**	**8,5**	**12,0**	**17,0**	**17,0**	**10,0**	**23,0**	**150**	**3,71**
SE90 03510		**M10**	10,5	8,5	12,0	17,0	19,0	12,0	27,0	150	3,82
SE90 05006		**M6**	6,5	10,0	14,0	19,0	20,0	10,0	23,0	90	3,34
SE90 05008	**50 mm²**	**M8**	8,5	10,0	14,0	19,0	20,0	10,0	23,0	90	3,28
SE90 05010		**M10**	**10,5**	**10,0**	**14,0**	**19,0**	**20,0**	**12,0**	**28,0**	**90**	**3,41**
SE90 05012		**M12**	10,5	10,0	14,0	19,0	20,0	12,0	28,0	90	3,47
SE90 07008		**M8**	8,5	12,0	16,5	21,0	23,0	10,0	24,0	65	3,13
SE90 07010	**70 mm²**	**M10**	**10,5**	**12,0**	**16,5**	**21,0**	**23,0**	**12,0**	**28,0**	**65**	**3,34**
SE90 07012		**M12**	10,5	12,0	16,5	21,0	23,0	12,0	28,0	65	3,23
SE90 09508		**M8**	8,5	13,5	18,0	25,0	26,0	12,0	26,0	50	3,06
SE90 09510	**95 mm²**	**M10**	10,5	13,5	18,0	25,0	26,0	12,0	29,0	50	3,05
SE90 09512		**M12**	**10,5**	**13,5**	**18,0**	**25,0**	**26,0**	**12,0**	**29,0**	**50**	**3,07**
SE90 12010	**120 mm²**	**M10**	10,5	15,0	19,5	26,0	28,0	14,0	31,0	40	3,02
SE90 12012		**M12**	**13,0**	**15,0**	**19,5**	**26,0**	**28,0**	**14,0**	**32,0**	**40**	**3,00**
SE90 15010		**M10**	10,5	16,5	21,0	30,0	31,0	14,0	31,0	30	2,29
SE90 15012	**150 mm²**	**M12**	**13,0**	**16,5**	**21,0**	**30,0**	**31,0**	**15,0**	**33,0**	**30**	**2,30**
SE90 15016		**M16**	13,0	16,5	21,0	30,0	31,0	15,0	33,0	30	2,33

SE (EuroType) 90° *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with SE series dies.

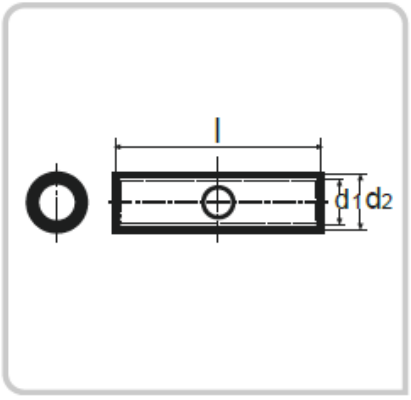
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
SE90 18510		**M10**	10,5	19,0	24,0	30,0	35,0	18,0	40,0	30	2,98
SE90 18512	**185 mm²**	**M12**	13,0	19,0	24,0	30,0	35,0	18,0	40,0	30	2,97
SE90 18516		**M16**	**13,0**	**19,0**	**24,0**	**30,0**	**35,0**	**18,0**	**40,0**	**30**	**2,98**
SE90 24010		**M10**	10,5	21,0	26,0	35,0	39,0	21,5	43,5	25	3,06
SE90 24012	**240 mm²**	**M12**	13,0	21,0	26,0	35,0	39,0	21,5	43,5	25	3,04
SE90 24016		**M16**	**13,0**	**21,0**	**26,0**	**35,0**	**39,0**	**21,5**	**43,5**	**25**	**2,99**

- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification

SE (EuroType) Butt-connectors





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.
- ⚠ These butt-connectors must be crimped with SE series dies.

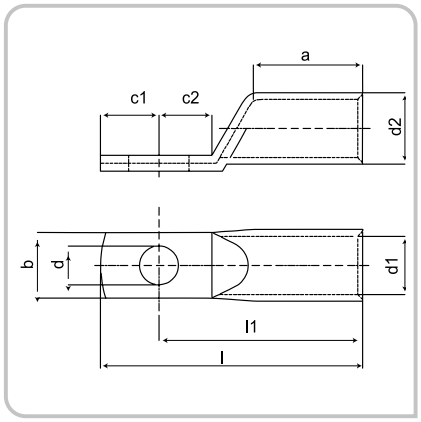
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Dimensions (mm) d1	d2	L	Package Amount (Pcs)	Package Weight (~kg)
SE EM010	**10 mm²**	4,5	7	30,5	600	4,32
SE EM016	**16 mm²**	5,5	8,5	35	400	4,00
SE EM025	**25 mm²**	7	10	40	250	3,52
SE EM035	**35 mm²**	8,5	12	45	150	3,36
SE EM050	**50 mm²**	10	14	50	90	3,02
SE EM070	**70 mm²**	12	16,5	55	60	2,95
SE EM095	**95 mm²**	13,5	18	60	50	2,90
SE EM120	**120 mm²**	15	19,5	65	40	2,80
SE EM150	**150 mm²**	16,5	21	70	25	2,10
SE EM185	**185 mm²**	19	24	75	20	2,02
SE EM240	**240 mm²**	21	26	85	18	2,76
SE EM300	**300 mm²**	23,5	29,5	100	5	2,30
SE EM400	**400 mm²**	27,0	34,0	100	5	2,65

- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification

Narrow Palm SE *Type Cable Lugs (For Circuit Breakers)*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with SE series dies.

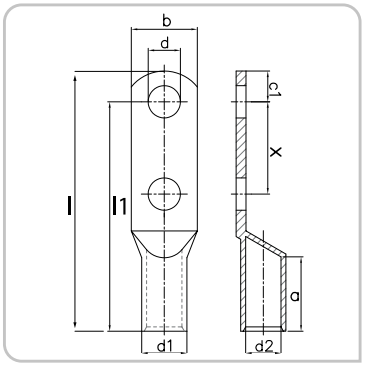
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	l	l1	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
DG 03506	35 mm²	M6	6,5	8,5	12	39,5	32	17	15	7,5	7,5	150	2,90
DG 05006	50 mm²	M6	6,5	10	14	47	37	19	15	10	10	120	3,80
DG 05008		M8	8,5	10	14	47	37	19	17	10	10	120	3,80
DG 05010		M10	10,5	10	14	51	39	19	19	12	12	120	3,70
DG 07008	70 mm²	M8	8,5	12	16,5	53	43	21	17	10	10	80	3,50
DG 07010		M10	10,5	12	16,5	56	44	21	19	12	12	80	3,40
DG 07012		M12	13,0	12	16,5	59	46	21	19	13	13	80	3,80
DG 09508	95 mm²	M8	8,5	13,5	18	60	48	25	19	12	12	60	3,50
DG 09510		M10	10,5	13,5	18	60	48	25	19	12	12	60	3,40
DG 09512		M12	13,0	13,5	18	62	49	25	19	13	13	60	3,20
DG 12008	120 mm²	M8	8,5	15	19,5	65	51	26	19	14	14	50	3,10
DG 12010		M10	10,5	15	19,5	65	51	26	19	14	14	50	3,10
DG 12012		M12	13,0	15	19,5	65	51	26	19	14	14	50	3,10
DG 15008	150 mm²	M8	8,5	16,5	21	70	56	30	19	14	14	30	2,40
DG 15010		M10	10,5	16,5	21	70	56	30	19	14	14	30	2,40
DG 15012		M12	13,0	16,5	21	72	57	30	19	15	15	30	2,30
DG 18510	185 mm²	M10	10,5	19	24	83	65	30	24,5	18	18	25	2,90
DG 18512		M12	13,0	19	24	83	65	30	31	18	18	25	2,90
DG 18516		M16	17,0	19	24	83	65	30	31	18	18	25	2,90
DG 24010	240 mm²	M10	10,5	21	26	83,5	72	35	31	11,5	19	25	3,70
DG 24012		M12	13,0	21	26	93,5	72	35	31	21,5	19	25	3,70
DG 24016		M16	17,0	21	26	93,5	72	35	31	21,5	19	25	3,70

* Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
* Our company reserves the right of changing the dimension of the products without any prior notification.
* It can be produced as 90 degrees in case of special order.

Double Hole SE *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with ST series dies.

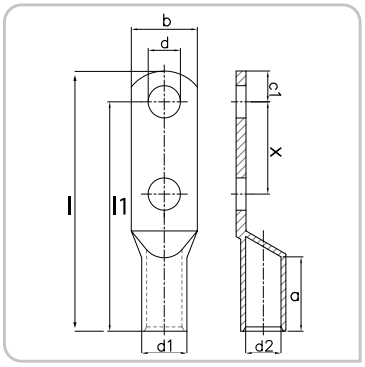
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross Section mm²	Bolt Ø	Dimensions (mm)								
			d	d1	d2	l	l1	a	b	c1	x
CD 01606-16	**16 mm²**	**M6**	6,5	5,5	8,5	53,0	43,0	20,0	12,0	10,0	16,0
CD 01606-25		**M6**	6,5	5,5	8,5	62,0	52,0	20,0	12,0	10,0	25,0
CD 02506-16	**25 mm²**	**M6**	6,5	7,0	10,0	54,0	44,0	20,0	14,0	10,0	16,0
CD 02506-25		**M6**	6,5	7,0	10,0	63,0	53,0	20,0	14,0	10,0	25,0
CD 02508-16		**M8**	8,5	7,0	10,0	54,0	44,0	20,0	14,0	10,0	16,0
CD 02508-25		**M8**	8,5	7,0	10,0	63,0	53,0	20,0	14,0	10,0	25,0
CD 03508-16	**35 mm²**	**M8**	8,5	8,5	12,0	62,0	52,0	20,0	14,0	10,0	16,0
CD 03508-25		**M8**	8,5	8,5	12,0	71,0	61,0	20,0	18,0	10,0	25,0
CD 03508-40		**M8**	8,5	8,5	12,0	86,0	76,0	20,0	18,0	10,0	40,0
CD 03510-25		**M10**	10,5	8,5	12,0	71,0	61,0	20,0	18,0	10,0	25,0
CD 03510-40		**M10**	10,5	8,5	12,0	86,0	76,0	20,0	18,0	10,0	40,0
CD 05006-25	**50 mm²**	**M6**	6,5	10,0	14,0	69,0	59,0	28,0	21,0	10,0	25,0
CD 05006-40		**M6**	6,5	10,0	14,0	84,0	74,0	28,0	21,0	10,0	40,0
CD 05008-25		**M8**	8,5	10,0	14,0	69,0	59,0	28,0	21,0	10,0	25,0
CD 05008-40		**M8**	8,8	10,0	14,0	84,0	74,0	28,0	21,0	10,0	40,0
CD 05010-25		**M10**	10,5	10,0	14,0	75,0	59,0	28,0	21,0	16,0	25,0
CD 05010-40		**M10**	10,5	10,0	14,0	90,0	74,0	28,0	21,0	16,0	40,0
CD 05012-25		**M12**	13,0	10,0	14,0	75,0	59,0	28,0	23,0	16,0	25,0
CD 05012-40		**M12**	13,0	10,0	14,0	90,0	74,0	28,0	23,0	16,0	40,0
CD 07008-25	**70 mm²**	**M8**	8,5	12,0	16,5	76,0	66,0	28,0	23,0	10,0	25,0
CD 07008-40		**M8**	8,5	12,0	16,5	91,0	81,0	28,0	23,0	10,0	40,0
CD 07010-25		**M10**	10,5	12,0	16,5	82,0	66,0	28,0	23,0	16,0	25,0
CD 07010-40		**M10**	10,5	12,0	16,5	97,0	81,0	28,0	23,0	16,0	40,0
CD 07012-25		**M12**	13,0	12,0	16,5	76,0	60,0	28,0	23,0	16,0	25,0
CD 07012-40		**M12**	13,0	12,0	16,5	91,0	75,0	28,0	23,0	16,0	40,0
CD 07012-45		**M12**	13,0	12,0	16,5	96,0	80,0	28,0	23,0	16,0	45,0
CD 07012-60		**M12**	13,0	12,0	16,5	111,0	95,0	28,0	23,0	16,0	60,0

- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification.

Double Hole SE *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with ST series dies.

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross Section mm²	Bolt Ø	Dimensions (mm)								
			d	d1	d2	l	l1	a	b	c1	x
CD 09510-25	95 mm²	M10	10,5	13,5	18,0	87,0	71,0	35,0	26,0	16,0	25,0
CD 09510-40		M10	10,5	13,5	18,0	102,0	86,0	35,0	26,0	16,0	40,0
CD 09512-25		M12	13,0	13,5	18,0	87,0	71,0	35,0	26,0	16,0	25,0
CD 09512-40		M12	13,0	13,5	18,0	102,0	86,0	35,0	26,0	16,0	40,0
CD 09512-40		M12	13,0	13,5	18,0	107,0	91,0	35,0	26,0	16,0	45,0
CD 09512-60		M12	13,0	13,5	18,0	122,0	106,0	35,0	26,0	16,0	60,0
CD 12012-25	120 mm²	M12	13,0	15,0	19,5	87,0	71,0	35,0	28,0	16,0	25,0
CD 12012-45		M12	13,0	15,0	19,5	102,0	86,0	35,0	28,0	16,0	40,0
CD 12012-45		M12	13,0	15,0	19,5	107,0	91,0	35,0	28,0	16,0	45,0
CD 12012-60		M12	13,0	15,0	19,5	122,0	106,0	35,0	28,0	16,0	60,0
CD 12016-40		M16	17,0	15,0	19,5	105,0	86,0	35,0	28,0	19,0	40,0
CD 12016-50		M16	17,0	15,0	19,5	115,0	96,0	35,0	28,0	19,0	50,0
CD 15012-25	150 mm²	M12	13,0	16,5	21,0	90,0	74,0	35,0	31,0	16,0	25,0
CD 15012-40		M12	13,0	16,5	21,0	105,0	89,0	35,0	31,0	16,0	40,0
CD 15012-45		M12	13,0	16,5	21,0	110,0	94,0	35,0	31,0	16,0	45,0
CD 15012-50		M12	13,0	16,5	21,0	115,0	99,0	35,0	31,0	16,0	50,0
CD 15012-60		M12	13,0	16,5	21,0	125,0	109,0	35,0	31,0	16,0	60,0
CD 15016-40		M16	17,0	16,5	21,0	108,0	89,0	35,0	31,0	19,0	40,0
CD 15016-50		M16	17,0	16,5	21,0	118,0	99,0	35,0	31,0	19,0	50,0
CD 18512-25	185 mm²	M12	13,0	19,0	24,0	96,0	80,0	40,0	35,0	16,0	25,0
CD 18512-40		M12	13,0	19,0	24,0	111,0	95,0	40,0	35,0	16,0	40,0
CD 18512-50		M12	13,0	19,0	24,0	121,0	105,0	40,0	35,0	16,0	50,0
CD 18516-40		M16	17,0	19,0	24,0	114,0	95,0	40,0	35,0	19,0	40,0
CD 18516-50		M16	17,0	19,0	24,0	124,0	105,0	40,0	35,0	19,0	50,0
CD 24012-25	240 mm²	M12	13,0	21,0	26,0	97,0	81,0	40,0	38,0	16,0	25,0
CD 24012-40		M12	13,0	21,0	26,0	112,0	96,0	40,0	38,0	16,0	40,0
CD 24012-50		M12	13,0	21,0	26,0	122,0	106,0	40,0	38,0	16,0	50,0
CD 24016-40		M16	17,0	21,0	26,0	115,0	96,0	40,0	38,0	19,0	40,0
CD 24016-50		M16	17,0	21,0	26,0	125,0	106,0	40,0	38,0	19,0	50,0

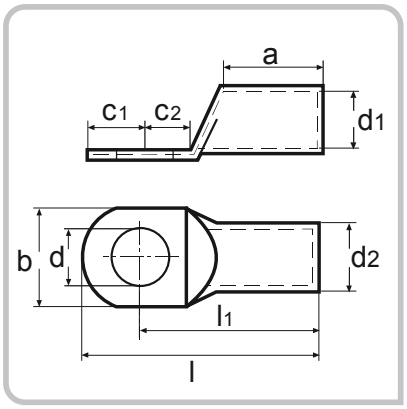
- Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
- Our company reserves the right of changing the dimension of the products without any prior notification.

RECOMMENDED HAND TOOLS

"Crimping Range mm² "	Tool Code	"Mechanical Crimping Tools"	"Mechanical Crimping Tools with Revolving Dies"	"Hydraulic Crimping Tools"	"Hydraulic Crimping Heads"	"Battery Operated Hydraulic Crimping Tools"	"Crimping Profile"	Page
6-50	SP-0650		*					P65
6-240	SFK-60MINI ELEC					*		P77
6-300	SFK-60MINI S ELEC					*		P78
	SFK-60 ELEC					*		P79
	SFK-60S ELEC					*		P80
10-120	SP-120	*						P65
	SP-10120		*					P65
10-240	S-6			*				P71
10-300	SP-300	*						P65
	S-60			*				P71
16-300	SC-130			*				P71
	SXC-130				*			P72
	SFK-120 ELEC					*		P81
16-400	SC-130L			*				P71
	SXC-130L				*			P72
	SFK-120L ELEC					*		P81
	SHK-25				*			P72
	SHK-45				*			P73
25-150	SP-25150		*					P65
16-400	SHK-110				*			P73

DIN 46235 Type *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ You must crimp DIN Norm Cable Lugs with DIN Norm Dies

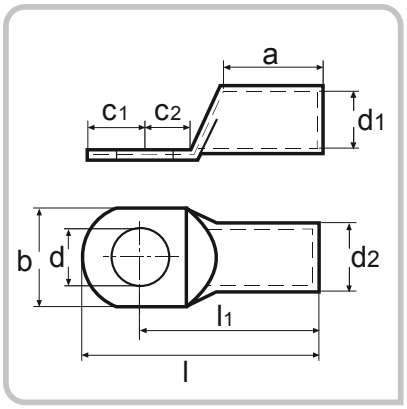
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	l	l1	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
DIN 01005	**10 mm²**	**M5**	**5,3**	**4,5**	**6**	**34**	**27**	**10**	**9**	**7**	**8,5**	**500**	**1,60**
DIN 01006		M6	6,4	4,5	6	34,5	27	10	9	7,5	8,5	500	1,60
DIN 01606	**16 mm²**	**M6**	**6,4**	**5,5**	**8,5**	**43,5**	**36**	**20**	**13**	**7,5**	**8**	**250**	**3,00**
DIN 01608		**M8**	**8,4**	**5,5**	**8,5**	**46**	**36**	**20**	**13**	**10**	**10**	**250**	**3,30**
DIN 01610		M10	10,5	5,5	8,5	48	36	20	17	12	12	250	3,20
DIN 02506	**25 mm²**	M6	6,4	7	10	45,5	38	20	14	7,5	8	200	2,90
DIN 02508		**M8**	**8,4**	**7**	**10**	**48**	**38**	**20**	**16**	**10**	**10**	**200**	**3,00**
DIN 02510		M10	10,5	7	10	50	38	20	17	12	12	200	3,20
DIN 02512		M12	13	7	10	51	38	20	19	13	13	200	3,20
DIN 03508	**35 mm²**	M8	8,4	8,2	12,5	52	42	20	17	10	10	120	3,50
DIN 03510		**M10**	**10,5**	**8,2**	**12,5**	**54**	**42**	**20**	**19**	**12**	**12**	**120**	**3,50**
DIN 03512		M12	13	8,2	12,5	55	42	20	21	13	13	120	3,60
DIN 05008	**50 mm²**	M8	8,4	10	14,5	62	52	28	20	10	10	65	2,90
DIN 05010		**M10**	**10,5**	**10**	**14,5**	**64**	**52**	**28**	**22**	**12**	**12**	**65**	**3,00**
DIN 05012		M12	13	10	14,5	65	52	28	24	13	13	65	2,90
DIN 05016		M16	17	10	14,5	68	52	28	28	16	16	65	2,90
DIN 07008	**70 mm²**	M8	8,4	11,5	16,5	65	55	28	24	10	10	50	2,90
DIN 07010		**M10**	**10,5**	**11,5**	**16,5**	**67**	**55**	**28**	**24**	**12**	**12**	**50**	**3,00**
DIN 07012		M12	13	11,5	16,5	68	55	28	24	13	13	50	3,00
DIN 07016		M16	17	11,5	16,5	71	55	28	30	16	16	50	3,20
DIN 09510	**95 mm²**	M10	10,5	13,5	19	77	65	35	28	12	12	30	2,70
DIN 09512		**M12**	**13**	**13,5**	**19**	**78**	**65**	**35**	**28**	**13**	**13**	**30**	**2,70**
DIN 09516		M16	17	13,5	19	81	65	35	32	16	16	30	2,80

• The cable lugs for which the cross sections are written with bold letters are standard production.
• Production can be done for the different bolt dimensions.
• Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
• Our company reserves the right of changing the dimension of the products without any prior notification.
• For the DIN 46235 Norm cable lugs between 10 - 150 mm² "d1" dimension tolerance is +/-0,3mm.; between 185-400 mm², it is +/-0,4 mm.; between 500 – 625 mm², it is +/-0,5mm; "b" dimension tolerance is +/-1 mm between 10 - 70 mm²; between 95-625 mm² it is +/-2 mm., for the full range cross sections "l1" dimension tolerance is +2 mm. and "c1" dimension tolerance is -3mm

DIN 46235 Type *Cable Lugs*





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ You must crimp DIN Norm Cable Lugs with DIN Norm Dies

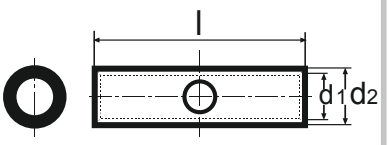
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	l	l1	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
DIN 12010		M10	10,5	15,5	21	85	70	35	32	15	16	25	2,90
DIN 12012	**120 mm²**	**M12**	**13**	**15,5**	**21**	**86**	**70**	**35**	**32**	**16**	**17**	**25**	**2,90**
DIN 12016		M16	17	15,5	21	89	70	35	32	19	20	25	2,90
DIN 12020		M20	21	15,5	21	91	70	35	38	21	22	25	2,90
DIN 15010		M10	10,5	17	23,5	93	78	35	34	15	16	20	3,20
DIN 15012	**150 mm²**	**M12**	**13**	**17**	**23,5**	**94**	**78**	**35**	**34**	**16**	**17**	**20**	**3,10**
DIN 15016		M16	17	17	23,5	97	78	35	34	19	20	20	3,40
DIN 15020		M20	21	17	23,5	99	78	35	40	21	22	20	3,40
DIN 18510		M10	10,5	19	25,5	97	82	40	37	15	16	15.	2,90 kg.
DIN 18512	**185 mm²**	**M12**	**13**	**19**	**25,5**	**98**	**82**	**40**	**37**	**16**	**17**	**15**	**2,80 kg.**
DIN 18516		M16	17	19	25,5	101	82	40	37	19	20	15	3,00 kg.
DIN 18520		M20	21	19	25,5	103	82	40	40	21	22	15	3,10 kg.
DIN 24012		**M12**	**13**	**21,5**	**29**	**108**	**92**	**40**	**42**	**16**	**17**	**10**	**2,70 kg.**
DIN 24016	**240 mm²**	M16	17	21,5	29	111	92	40	42	19	20	10	2,80 kg.
DIN 24020		M20	21	21,5	29	113	92	40	45	21	22	10	2,90 kg.
DIN 30016	**300 mm²**	**M16**	**17**	**24,5**	**32**	**119**	**100**	**50**	**48**	**19**	**22**	**10**	**3,40 kg.**
DIN 30020		M20	21	24,5	32	122	100	50	48	22	22	10	3,40 kg.
DIN 40016	**400 mm²**	**M16**	**17**	**27,5**	**38,5**	**140**	**115**	**70**	**55**	**25**	**25**	**8**	**5,30 kg.**
DIN 40020		M20	21	27,5	38,5	140	115	70	55	25	25	8	5,40 kg.
DIN 50020	**500 mm²**	**M20**	**21**	**31**	**42**	**150**	**125**	**70**	**60**	**25**	**25**	**4**	**3,26 kg.**
DIN 62520	**625 mm²**	**M20**	**21**	**34,5**	**44**	**160**	**135**	**80**	**60**	**25**	**25**	**4**	**3,19 kg.**

• The cable lugs for which the cross sections are written with bold letters are standard production.
• Production can be done for the different bolt dimensions.
• Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
• Our company reserves the right of changing the dimension of the products without any prior notification.
• For the DIN 46235 Norm cable lugs between 10 - 150 mm² "d1" dimension tolerance is +/-0,3mm.; between 185-400 mm², it is +/-0,4 mm.; between 500 – 625 mm², it is +/-0,5mm; "b" dimension tolerance is +/-1 mm between 10 - 70 mm²; between 95-625 mm² it is +/-2 mm., for the full range cross sections "l1" dimension tolerance is +2 mm. and "c1" dimension tolerance is -3mm

DIN 46267 Type Butt-connectors





Features

- Tempering of the cable lugs during the production process provides easy and more practical usage of the Şafak Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All of the Şafak Cable Lugs are tempered during production process.

⚠ You must crimp DIN 46267 Type Butt-connectors with DIN Norm Dies

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Dimensions (mm) d1	d2	L	Package Amount (Pcs)	Package Weight (~kg)
DIN EM010	**10 mm²**	4,5	7	30	300	2,60 kg.
DIN EM016	**16 mm²**	5,5	8,5	50	200	2,80 kg.
DIN EM025	**25 mm²**	7	10	50	150	2,70 kg.
DIN EM035	**35 mm²**	8,2	12,5	50	100	3,00 kg.
DIN EM050	**50 mm²**	10	14,5	56	60	2,60 kg.
DIN EM070	**70 mm²**	11,5	16,5	56	50	2,69 kg.
DIN EM095	**95 mm²**	13,5	19	70	30	2,64 kg.
DIN EM120	**120 mm²**	15,5	21	70	25	2,44 kg.
DIN EM150	**150 mm²**	17	23,5	80	20	2,80 kg.
DIN EM185	**185 mm²**	19	25,5	85	15	2,52 kg.
DIN EM240	**240 mm²**	21,5	29	90	10	2,40 kg.
DIN EM300	**300 mm²**	24,5	32	100	10	3,02 kg.
DIN EM400	**400 mm²**	27,5	38,5	150	5	3,78 kg.
DIN EM500	**500 mm²**	31	42	160	5	4,60 kg.
DIN EM625	**625 mm²**	34,5	44	160	5	4,08 kg.

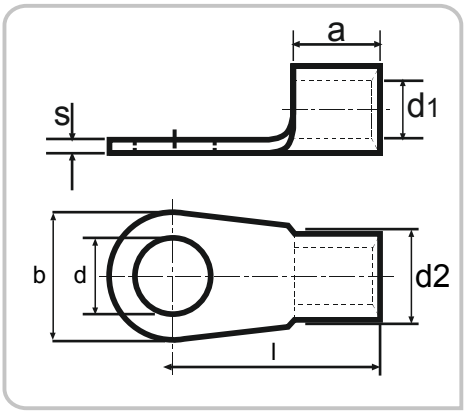
* Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.
* Our company reserves the right of changing the dimension of the products without any prior notification.

RECOMMENDED HAND TOOLS

"Crimping Range mm² "	Tool Code	"Mechanical Crimping Tools"	"Mechanical Crimping Tools with Revolving Dies"	"Hydraulic Crimping Tools"	"Hydraulic Crimping Heads"	"Battery Operated Hydraulic Crimping Tools"	"Crimping Profile"	Page
6-50	SP-0650		*					P65
6-240	SFK-60MINI ELEC					*		P77
6-300	SFK-60MINI S ELEC					*		P78
	SFK-60 ELEC					*		P79
	SFK-60S ELEC					*		P80
10-120	SP-120	*						P65
	SP-10120		*					P65
10-240	S-6			*				P71
10-300	SP-300	*						P65
	S-60			*				P71
16-300	SC-130			*				P71
	SXC-130				*			P72
	SFK-120 ELEC					*		P81
16-400	SC-130L			*				P71
	SXC-130L				*			P72
	SFK-120L ELEC					*		P82
16-600	SHK-25				*			P72
	SHK-45				*			P73
25-150	SP-25150		*					P65
625	SHK-110				*			P73

DIN 46234 Type Round and Welded *Cable Lugs*





Features

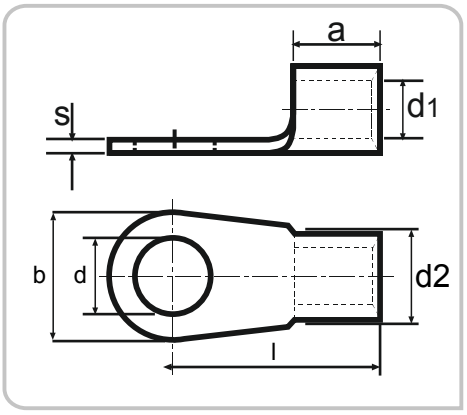
- Manufactured according to DIN 46234.
- There is brazing solder on crimping area
- Chamfered profile for advanced crimping
- These lugs must be crimped with N series dies

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	a	l	b	s	Package Amount (Pcs)	Package Weight (~kg)
SFK-3-1	1,5 mm²	M3	3,2	1,6	4,0	5,0	11,0	6,0	0,8	1.000	0,60
SFK-4-1		M4	4,3	1,6	4,0	5,0	12,0	8,0	0,8	1.000	0,70
SFK-5-1		M5	5,5	1,6	4,0	5,0	13,0	10,0	0,8	1.000	0,80
SFK-6-1		M6	6,5	1,6	4,0	5,0	13,0	10,0	0,8	1.000	0,70
SFK-3-2	2,5 mm²	M3	3,2	2,3	4,5	5,0	11,0	6,0	0,8	1.000	0,70
SFK-4-2		M4	4,3	2,3	4,5	5,0	12,0	8,0	0,8	1.000	0,80
SFK-5-2		M5	5,5	2,3	4,5	5,0	14,0	10,0	0,8	1.000	1,00
SFK-6-2		M6	6,5	2,3	4,5	5,0	16,0	11,0	0,8	1.000	1,10
SFK-8-2		M8	8,5	2,3	4,5	5,0	17,0	14,0	0,8	1.000	1,30
SFK-10-2		M10	10,5	2,3	4,5	5,0	17,0	15,0	0,8	1.000	1,20
SFK-12-2		M12	13	2,3	4,5	5,0	20,0	18,0	0,8	1.000	1,50
SFK-4-6	6 mm²	M4	4,3	3,6	6,0	6,0	14,0	8,0	1,0	1.000	1,40
SFK-5-6		M5	5,5	3,6	6,0	6,0	15,0	10,0	1,0	1.000	1,60
SFK-6-6		M6	6,5	3,6	6,0	6,0	16,0	11,0	1,0	1.000	1,70
SFK-8-6		M8	8,5	3,6	6,0	6,0	19,0	14,0	1,0	1.000	2,20
SFK-10-6		M10	10,5	3,6	6,0	6,0	21,0	18,0	1,0	500	1,40
SFK-12-6		M12	13	3,6	6,0	6,0	21,0	18,0	1,0	600	1,25
SFK-5-10	10 mm²	M5	5,5	4,5	8,0	8,0	16,0	10,0	1,1	500	1,20
SFK-6-10		M6	6,5	4,5	8,0	8,0	17,0	11,0	1,1	500	1,30
SFK-8-10		M8	8,5	4,5	8,0	8,0	20,0	14,0	1,1	500	1,50
SFK-10-10		M10	10,5	4,5	8,0	8,0	21,0	18,0	1,1	500	1,80
SFK-12-10		M12	13,0	4,5	8,0	8,0	23,0	22,0	1,1	500	2,20
SFK-5-16	16 mm²	M5	5,5	5,8	11,0	10,0	20,0	11,0	1,2	500	1,90
SFK-6-16		M6	6,5	5,8	11,0	10,0	20,0	11,0	1,2	500	2,00
SFK-8-16		M8	8,5	5,8	11,0	10,0	22,0	14,0	1,2	500	2,20
SFK-10-16		M10	10,5	5,8	11,0	10,0	24,0	18,0	1,2	500	2,50
SFK-12-16		M12	13,0	5,8	11,0	10,0	26,0	22,0	1,2	250	1,50
SFK-5-25	25 mm²	M5	5,5	7,5	12,0	11,0	25,0	12,0	1,5	250	1,80
SFK-6-25		M6	6,5	7,5	12,0	11,0	25,0	12,0	1,5	250	1,50
SFK-8-25		M8	8,5	7,5	12,0	11,0	25,0	16,0	1,5	200	1,60
SFK-10-25		M10	10,5	7,5	12,0	11,0	26,0	18,0	1,5	200	1,70
SFK-12-25		M12	13,0	7,5	12,0	11,0	31,0	22,0	1,5	200	2,00
SFK-16-25		M16	17,0	7,5	12,0	11,0	35,0	28,0	1,5	250	2,20

* Our company reserves the right of changing the dimension of the products without any prior notification.

DIN 46234 Type Round and Welded *Cable Lugs*





Features

- Manufactured according to DIN 46234.
- There is brazing solder on crimping area
- Chamfered profile for advanced crimping
- These lugs must be crimped with N series dies

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	a	l	b	s	Package Amount (Pcs)	Package Weight (~kg)
SFK-6-35		**M6**	6,5	9,0	16,0	12,0	26,0	15,0	1,6	200	2,00
SFK-8-35		**M8**	8,5	9,0	16,0	12,0	26,0	16,0	1,6	200	2,00
SFK-10-35	**35 mm²**	**M10**	10,5	9,0	16,0	12,0	27,0	18,0	1,6	200	2,00
SFK-12-35		**M12**	13,0	9,0	16,0	12,0	31,0	22,0	1,6	200	2,40
SFK-16-35		**M16**	17,0	9,0	16,0	12,0	36,0	28,0	1,6	100	1,50
SFK-6-50		**M6**	6,5	11,0	18,0	16,0	34,0	18,0	1,8	100	1,80
SFK-8-50		**M8**	8,5	11,0	18,0	16,0	34,0	18,0	1,8	100	1,80
SFK-10-50	**50 mm²**	**M10**	10,5	11,0	18,0	16,0	34,0	18,0	1,8	100	1,70
SFK-12-50		**M12**	13,0	11,0	18,0	16,0	36,0	22,0	1,8	50	1,00
SFK-16-50		**M16**	17,0	11,0	18,0	16,0	40,0	28,0	1,8	50	1,10
SFK-6-70		**M6**	6,5	13,0	22,0	18,0	38,0	22,0	2,0	100	2,70
SFK-8-70		**M8**	8,5	13,0	22,0	18,0	38,0	22,0	2,0	100	2,60
SFK-10-70	**70 mm²**	**M10**	10,5	13,0	22,0	18,0	38,0	22,0	2,0	100	2,60
SFK-12-70		**M12**	13,0	13,0	22,0	18,0	38,0	22,0	2,0	100	2,50
SFK-16-70		**M16**	17,0	13,0	22,0	18,0	42,0	28,0	2,0	50	1,40
SFK-8-95		**M8**	8,5	15,0	24,0	20,0	42,0	24,0	2,5	50	2,00
SFK-10-95	**95 mm²**	**M10**	10,5	15,0	24,0	20,0	42,0	24,0	2,5	50	2,00
SFK-12-95		**M12**	13,0	15,0	24,0	20,0	42,0	24,0	2,5	50	2,00
SFK-16-95		**M16**	17,0	15,0	24,0	20,0	44,0	28,0	2,5	25	1,10
SFK-8-120		**M8**	8,5	16,5	24,0	22,0	44,0	24,0	3,0	25	1,50
SFK-10-120	**120 mm²**	**M10**	10,5	16,5	24,0	22,0	44,0	24,0	3,0	25	1,40
SFK-12-120		**M12**	13,0	16,5	24,0	22,0	44,0	24,0	3,0	25	1,40
SFK-16-120		**M16**	17,0	16,5	24,0	22,0	48,0	28,0	3,0	25	1,50
SFK-10-150		**M10**	10,5	19,0	30,0	24,0	50,0	30,0	3,2	25	2,10
SFK-12-150	**150 mm²**	**M12**	13,0	19,0	30,0	24,0	50,0	30,0	3,2	25	2,00
SFK-16-150		**M16**	17,0	19,0	30,0	24,0	50,0	30,0	3,2	25	2,00
SFK-12-185	**185 mm²**	**M12**	13,0	21,0	33,0	28,0	50,0	36,0	3,5	25	2,70
SFK-16-185		**M16**	17,0	21,0	33,0	28,0	50,0	36,0	3,5	25	2,10
SFK-12-240	**240 mm²**	**M12**	13,0	23,5	38,0	32,0	56,0	38,0	4,0	20	3,00
SFK-16-240		**M16**	17,0	23,5	38,0	32,0	56,0	38,0	4,0	10	1,50
SFK-12-300	**300 mm²**	**M12**	13,0	28,0	37,0	36,0	69,5	51,0	4,4	15	3,70
SFK-16-300		**M16**	17,0	28,0	37,0	36,0	69,5	51,0	4,4	15	3,70

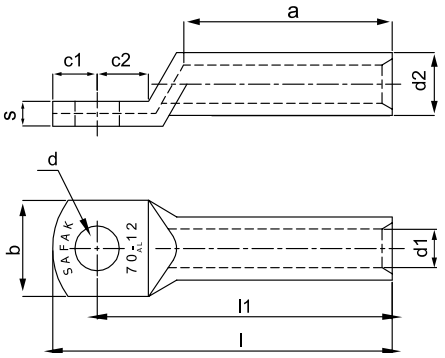
* Our company reserves the right of changing the dimension of the products without any prior notification.

RECOMMENDED HAND TOOLS

"Crimping Range mm² "	Tool Code	"Mechanical Crimping Tools"	"Mechanical Crimping Tools with Revolving Dies"	"Hydraulic Crimping Tools"	"Hydraulic Crimping Heads"	"Battery Operated Hydraulic Crimping Tools"	"Crimping Profile"	Page
6-300	SFK-60MINI S ELEC					*		**P78**
	SFK-60S ELEC					*		**P80**
10-300	S-60			*				**P71**
16-300	SC-130			*				**P71**
	SXC-130				*			**P72**
	SFK-120 ELEC					*		**P81**
16-400	SC-130L			*				**P71**
	SXC-130L				*			**P72**
16-600	SHK-25				*			**P72**
	SHK-45				*			**P73**

ALUMINUM *Cable Lugs*





Features

- Tube dimensions are acording to DIN 46329
- The lugs are marked for correct crimping
- These lugs mus be crimped Al series dies

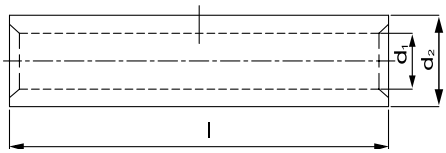
Material : E-Al
Surface Treatment : Tin, bright

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm)										Box Amount
			d	d1	d2	l1	l	a	b	c1	c2	s	
AL 01608	**16 mm²**	**M8**	8,5	5,8	9,7	52	61,5	35.4	18	9,5	11,5	3,9	200
AL 01610		**M10**	10,5	5,8	9,7	52	61,5	35,4	18	9,5	11,5	3,9	200
AL 02508	**25 mm²**	**M8**	8,5	6,8	11,4	60	69,5	42.3	18	9,5	11,5	4,6	100
AL 02510		**M10**	10,5	6,8	11,4	60	69,5	42,3	18	9,5	11,5	4,6	100
AL 03510	**35 mm²**	**M10**	10,5	8	13,9	67	78,5	46.3	21	11,5	13,5	5,9	60
AL 03512		**M12**	13	8	13,9	67	78,5	46,3	21	11,5	13,5	5,9	60
AL 05010	**50 mm²**	**M10**	10,5	9,8	16,4	72	83,5	50	25	11,5	13,5	6,6	50
AL 05012		**M12**	13	9,8	16,4	72	83,5	50	25	11,5	13,5	6,6	50
AL 07010	**70 mm²**	**M10**	10,5	11,2	18,4	86	99	60.7	28	13	15	7,2	30
AL 07012		**M12**	13	11,2	18,4	86	99	60,7	28	13	15	7,2	30
AL 09510	**95 mm²**	**M10**	10,5	13,2	21,2	90	106,5	59.8	32	16,5	18,5	8	25
AL 09512		**M12**	13	13,2	21,2	90	106,5	59,8	32	16,5	18,5	8	25
AL 09516		**M16**	17	13,2	21,2	90	106,5	59,8	34	16,5	18,5	8	25
AL 12012	**120 mm²**	**M12**	13	14,7	23,5	91	107,5	59,7	32	16,5	18,5	8,8	20
AL 12016		**M16**	17	14,7	23,5	91	107,5	59,7	34	16,5	18,5	8,8	20
AL 15012	**150 mm²**	**M12**	13	16,3	25,5	103	122	68,2	35	19	21	9,2	15
AL 15016		**M16**	17	16,3	25,5	103	122	68,2	35	19	21	9,2	15
AL 15020		**M20**	21	16,3	25,5	103	122	68,2	40	19	21	9,2	15
AL 18512	**185 mm²**	**M12**	13	18,3	29	106	125	69,6	40	19	21	10,7	12
AL 18516		**M16**	17	18,3	29	106	125	69,6	40	19	21	10,7	12
AL 18520		**M20**	21	18,3	29	106	125	69,6	40	19	21	10,7	12
AL 24012	**240 mm²**	**M12**	13	21	32	116	136	76,9	45	20	22	11	8
AL 24016		**M16**	17	21	32	116	136	76,9	45	20	22	11	8
AL 24020		**M20**	21	21	32	116	136	76,9	45	20	22	11	8
AL 30016	**300 mm²**	**M16**	17	23,3	38,5	124	144	82	49	20	22	15,2	6
AL 30020		**M20**	21	23,3	38,5	124	144	82	49	20	22	15,2	6
AL 40016	**400 mm²**	**M16**	17	26	42	165	188	118,2	58	23	25	16	4
AL 40020		**M20**	21	26	42	165	188	118,2	58	23	25	16	4

* Please ask the stocks for the other cross sections.
* Our company reserves the right of changing the dimension of the products without any prior notification.

DIN 46267 Aluminum Butt-connectors





Features

- Manufactured according to DIN 46267
- The butt-connectors are marked for correct crimping
- Please crimp with Aluminum dies
- These butt-connectors must be crimped with AL series dies

Material : E-Al
Surface Treatment : Tin, bright

Product Code	Cross-Section mm²	Dimensions (mm) d1	d2	l	Box Amount
AL EM016	**16 mm²**	5,8	9,7	55	200
AL EM025	**25 mm²**	6,8	11,4	70	150
AL EM035	**35 mm²**	8,0	13,9	85	80
AL EM050	**50 mm²**	9,8	16,4	85	50
AL EM070	**70 mm²**	11,2	18,4	105	40
AL EM095	**95 mm²**	13,2	21,2	105	30
AL EM120	**120 mm²**	14,7	23,5	105	25
AL EM150	**150 mm²**	16,3	25,5	125	15
AL EM185	**185 mm²**	18,3	29	125	12
AL EM240	**240 mm²**	21,0	32	145	8
AL EM300	**300 mm²**	23,3	38,5	145	6
AL EM400	**400 mm²**	26,0	42	188	4

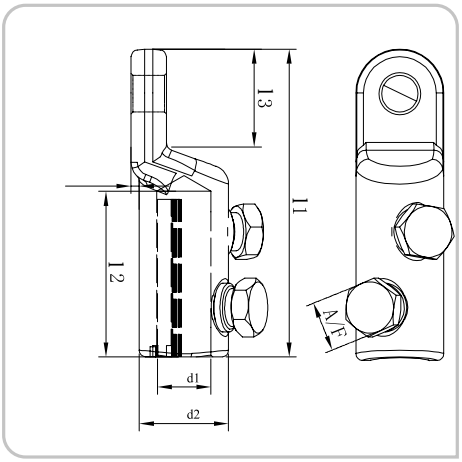
* Our company reserves the right of changing the dimension of the products without any prior notification.

RECOMMENDED HAND TOOLS

"Crimping Range mm² "	Tool Code	"Mechanical Crimping Tools"	"Mechanical Crimping Tools with Revolving Dies"	"Hydraulic Crimping Tools"	"Hydraulic Crimping Heads"	"Battery Operated Hydraulic Crimping Tools"	"Crimping Profile"	Page
16-300	SC-130			*				**P71**
	SXC-130				*			**P72**
	SFK-120 ELEC							**P81**
16-400	SC-130L			*				**P71**
	SXC-130L				*			**P72**
	SFK-120L ELEC					*		**P82**
	SHK-25				*			**P72**

Aluminum Bolted Lugs - Medium Voltage - 35 kV





Features

- There is no need for crimping tools or skilled operators
- Only a socket spanner or a wrench is needed
- Torque controlled sheared off bolts guarantee a good electrical contact
- Wide application range
- The solid palm eliminates the ingress of moisture
- Prefilled with jointing compound

Material : Al≥ 99.5%
Surface Treatment : Electro Tin Plated

Product Code	Bolt Ø	Conductor Size (mm²)	d1	d2	l1	l2	l3	A/F	Bolt Qty	Torque Value (Nm)	Package Amount	Box Amount	Package Weight (~kg)
AL-VP-25-95-12/1	**M12**	25-95	13.3	24	76.5	32.5	30	13	1	20	40	160	3.75
AL-VP-35-150-12/1	**M12**	35-150	16	28	86.5	38.5	32	17	1	29	30	120	4.25
AL-VP-35-150-16/1	**M16**	35-150	16	28	86.5	38.5	32	17	1	29	30	120	4.25
AL-VP-70-240-12/2	**M12**	70-240	20	33	114	61.5	34.5	19	2	33.5	12	48	3.50
AL-VP-70-240-16/2	**M16**	70-240	20	33	114	61.5	34.5	19	2	33.5	12	48	3.50
AL-VP-120-300-12/2	**M12**	120-300	24	38	125.5	67.5	36.7	22	2	37.5	9	36	3.75
AL-VP-120-300-16/2	**M16**	120-300	24	38	125.5	67.5	36.7	22	2	37.5	9	36	3.75
AL-VP-185-400-12/3	**M12**	185-400	26	42	141	78	40	22	3	40.5	7	28	4.00
AL-VP-185-400-16/3	**M16**	185-400	26	42	141	78	40	22	3	40.5	7	28	4.00

*** Our company reserves the right of changing the dimension of the products without any prior notification.**

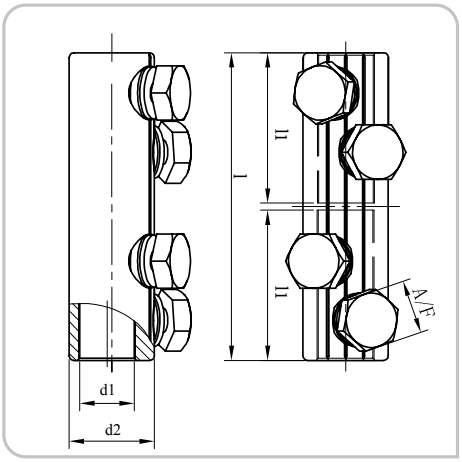


Product Code	Al Conductor RM	Al Conductor SM	Cu Conductor RM	Cu Conductor SM
AL-VP-25-95-12/1	**25-95**	25-70	25-95	25-70
AL-VP-35-150-12/1	**35-150**	35-120	35-150	35-120
AL-VP-35-150-16/1	**35-150**	35-120	35-150	35-120
AL-VP-70-240-12/2	**70-240**	70-185	70-240	70-185
AL-VP-70-240-16/2	**70-240**	70-185	70-240	70-185
AL-VP-120-300-12/2	**120-300**	120-240	120-300	120-240
AL-VP-120-300-16/2	**120-300**	120-240	120-300	120-240
AL-VP-185-400-12/3	**185-400**	185-300	185-400	185-300
AL-VP-185-400-16/3	**185-400**	185-300	185-400	185-300

Aluminum Bolted Low Voltage Butt-Connector - 1kV



RoHS COMPLIANT CE EAC



Features

- There is no need for crimping tools or skilled operators
- Only a socket spanner or a wrench is needed
- Torque controlled sheared off bolts guarantee a good electrical contact
- Large application range

Material : High strength aluminum alloy
Application : Low voltage
Surface Treatment : Electro tin plated

Product Code	Conductor Size (mm²)	d1	d2	l	l1	A/F	Bolt Qty	Package Amount	Box Amount	Package Weight (~kg)
AL-VEMA-10-35/2	10-35	8	16	45	20	9	2	150	600	3.75
AL-VEMA-25-50/2	25-50	9.5	18	52	24	10	2	100	400	2.50
AL-VEMA-50-95/2	50-95	13	22	62	29	13	2	60	240	3.50
AL-VEMA-120-185/2	120-185	17	30	80	38	17	2	30	120	4.00
AL-VEMA-240-300/4	240-300	24	36	140	68	22	4	15	60	4.25

*** Our company reserves the right of changing the dimension of the products without any prior notification.**



Product Code	Al Conductor RM	Al Conductor SM	Cu Conductor RM	Cu Conductor SM
AL-VEMA-25-50/2	**25-50**	25-35	25-50	25-35
AL-VEMA-50-95/2	**50-95**	50-70	50-95	50-70
AL-VEMA-120-185/2	**120-185**	120-150	120-185	120-150
AL-VEMA-240-300/4	**240-300**	240	240-300	240

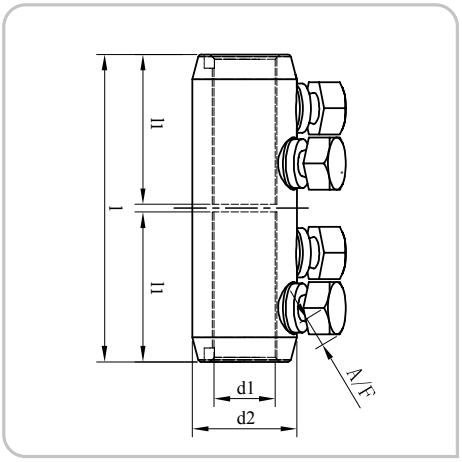
Aluminum Bolted Medium Voltage Butt-Connector - 35kV





Features

- There is no need for crimping tools or skilled operators
- Only a socket spanner or a wrench is needed
- Torque controlled sheared off bolts guarantee a good electrical contact
- Large application range
- Prefilled with jointing compound



Material : High strength aluminum alloy
Application : Medium voltage
Surface Treatment : Electro tin plated

Product Code	Conductor Size (mm²)	d1	d2	l	l1	A/F	Bolt Qty	Package Amount	Box Amount	Package Weight (~kg)
AL-VEMO-10-35/2	10-35	8.3	19	45	21	9	2	60	240	2.75
AL-VEMO-25-95/2	25-95	13.3	24	70	33.5	13	2	40	160	4.50
AL-VEMO-35-150/2	35-150	16	28	80	38.5	17	2	35	240	6.00
AL-VEMO-70-240/4	70-240	20	33	125	61	19	4	15	60	6.25
AL-VEMO-120-300/4	120-300	24	38	140	68	22	4	10	40	6.00
AL-VEMO-185-400/4	185-400	26	42	160	78	22	4	9	36	6.25

*** Our company reserves the right of changing the dimension of the products without any prior notification.**

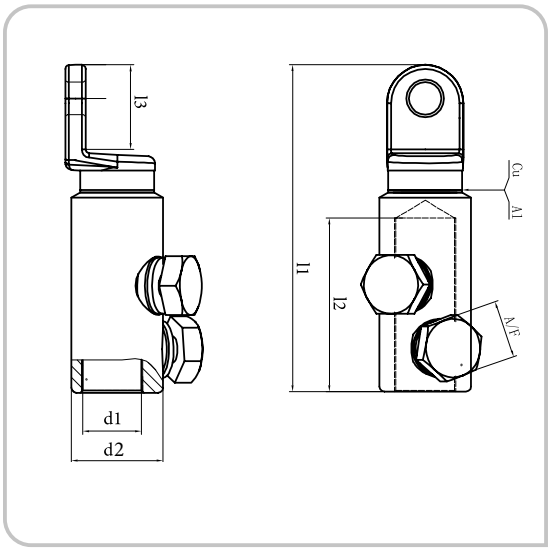


Product Code	Al Conductor RM	Al Conductor SM	Cu Conductor RM	Cu Conductor SM
AL-VEMO-10-35/2	10-35	10-25	10-35	10-25
AL-VEMO-25-95/2	25-95	25-70	25-95	25-70
AL-VEMO-35-150/2	35-150	35-120	35-150	35-120
AL-VEMO-70-240/4	70-240	70-185	70-240	70-185
AL-VEMO-120-300/4	120-300	120-240	120-300	120-240
AL-VEMO-185-400/4	185-400	185-300	185-400	185-300

Bi-metal Bolted Cable Lugs Low Voltage - 1kV



RoHS COMPLIANT CE EAC



Features

- Only a socket spanner or a wrench is needed
- Torque controlled sheared off bolts guarantee a good electrical contact
- Large application range
- Friction welded

Product Code	Bolt Ø	Conductor Size (mm²)	d1	d2	l1	l2	l3	A/F	Bolt Qty	Torque Value (Nm)	Package Amount	Box Amount	Package Weight (~kg)
SFK-BVA-10-35-8/1	**M8**	10-35	8	16	58	20	18	9	1	8.5	125	500	5.50
SFK-BVA-10-35-10/1	**M10**	10-35	8	16	58	20	18	9	1	8.5	125	500	5.15
SFK-BVA-50-95-8/1	**M8**	50-95	13.5	22	72	30	22	13	1	20	70	280	5.65
SFK-BVA-50-95-10/1	**M10**	50-95	13.5	22	72	30	22	13	1	20	70	280	5.50
SFK-BVA-120-185-10/1	**M10**	120-185	17	30	88	38	28	17	1	38	35	140	6.00
SFK-BVA-120-185-12/1	**M12**	120-185	17	30	88	38	28	17	1	38	35	140	6.00
SFK-BVA-240-300-10/2	**M10**	240-300	24	36	128	68	33	22	2	53	16	64	5.50
SFK-BVA-240-300-12/2	**M12**	240-300	24	36	128	68	33	22	2	53	16	64	5.50

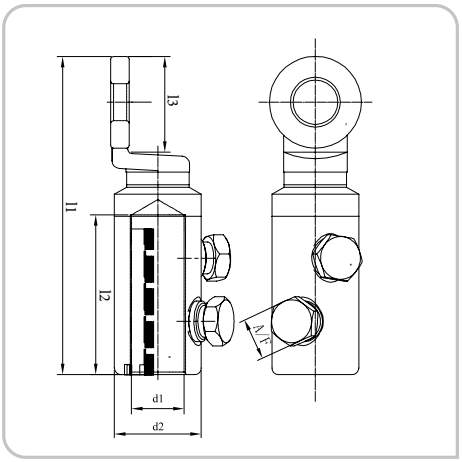
*** Our company reserves the right of changing the dimension of the products without any prior notification.**



Product Code	Al Conductor RM	Al Conductor SM	Cu Conductor RM	Cu Conductor SM
SFK-BVA-10-35-8/1	10-35	10-25	10-35	10-25
SFK-BVA-10-35-10/1	10-35	10-25	10-35	10-25
SFK-BVA-50-95-8/1	50-95	50-70	50-95	50-70
SFK-BVA-50-95-10/1	50-95	50-70	50-95	50-70
SFK-BVA-120-185-10/1	120-185	120-150	120-185	120-150
SFK-BVA-120-185-12/1	120-185	120-150	120-185	120-150
SFK-BVA-240-300-10/2	240-300	240	240-300	240
SFK-BVA-240-300-12/2	240-300	240	240-300	240

Bi-metal Bolted Medium Voltage Cable Lugs - MV 35kV



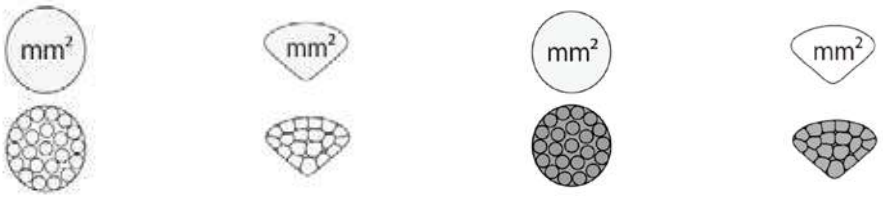


Features

- There is no need for crimping tool or skilled operators.
- Only a socket spanner or a wrench is needed
- Torque controlled sheared off bolts guarantee a good electrical contact
- Large application range
- Friction welded

Product Code	Bolt Ø	Conductor Size (mm²)	d1	d2	l1	l2	l3	A/F	Bolt Qty	Torque Value (Nm)	Package Amount	Box Amount	Package Weight (~kg)
SFK-BVO-16-95-12/1	**M12**	16-95	13.3	24	78	32	25.5	13	1	20	40	160	4.25
SFK-BVO-35-150-12/2	**M12**	50-150	16	28	104	51	31.5	17	2	29	20	80	5.25
SFK-BVO-35-150-16/2	**M16**	50-150	16	28	104	51	31.5	17	2	29	20	80	5.25
SFK-BVO-70-240-12/2	**M12**	70-240	20	33	121.5	61	36.5	19	2	33.5	12	48	4.25
SFK-BVO-70-240-16/2	**M16**	70-240	20	33	121.5	61	36.5	19	2	33.5	12	48	4.25
SFK-BVO-120-300-12/2	**M12**	120-300	24	38	133	68	37.5	22	2	37.5	9	36	4.50
SFK-BVO-120-300-16/2	**M16**	120-300	24	38	133	68	37.5	22	2	37.5	9	36	4.50
SFK-BVO-185-400-12/3	**M12**	185-400	26	42	169	78	51	22	3	48	7	28	6.50
SFK-BVO-185-400-16/3	**M16**	185-400	26	42	169	78	51	22	3	48	7	28	6.50

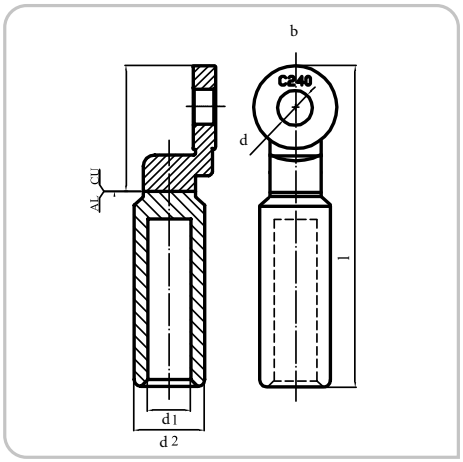
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Product Code	Al Conductor RM	Al Conductor SM	Cu Conductor RM	Cu Conductor SM
SFK-BVO-16-95-12/1	25-95	25-70	25-95	25-70
SFK-BVO-35-150-12/2	35-150	35-120	35-150	35-120
SFK-BVO-35-150-16/2	35-150	35-120	35-150	35-120
SFK-BVO-70-240-12/2	70-240	70-185	70-240	70-185
SFK-BVO-70-240-16/2	70-240	70-185	70-240	70-185
SFK-BVO-120-300-12/2	120-300	120-240	120-300	120-240
SFK-BVO-120-300-16/2	120-300	120-240	120-300	120-240
SFK-BVO-185-400-12/3	185-400	185-300	185-400	185-300
SFK-BVO-185-400-16/3	185-400	185-300	185-400	185-300

Bi-metal (CU/AL) *Cable Lugs*





Features

- Manufactured similar to DIN 46329
- The lugs are marked for correct crimping

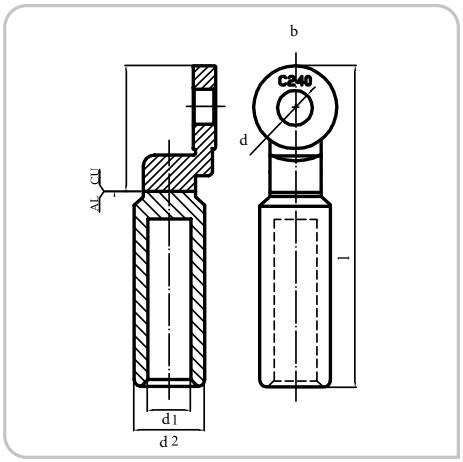
Material : E-Cu;Al-99.6%.
Surface Treatment : Bright

Product Code	Cross Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	l	b	Package Amount	Package Weight (~kg)
BS 01608		**M8**	**8,4**	**5.6**	**16**	**79**	**20**	**70**	**3.21**
BS 01610	**16 mm²**	**M10**	10,5	5.6	16	79	20	70	3.21
BS 01612		**M12**	12,8	5.6	16	79	20	70	3.21
BS 02508		**M8**	**8,4**	**6.4**	**16**	**79**	**20**	**70**	**3.16**
BS 02510	**25 mm²**	**M10**	10,5	6.4	16	79	20	70	3.16
BS 02512		**M12**	12,8	6.4	16	79	20	70	3.16
BS 03508		**M8**	**8,4**	**8.5**	**16**	**79**	**20**	**70**	**3.00**
BS 03510	**35 mm²**	**M10**	10,5	8.5	16	79	20	70	3.00
BS 03512		**M12**	12,8	8.5	16	79	20	70	3.00
BS 05008		**M8**	8,4	9.4	20	88	24	48	3.72
BS 05010	**50 mm²**	**M10**	**10,5**	**9.4**	**20**	**88**	**24**	**48**	**3.72**
BS 05012		**M12**	12,8	9.4	20	88	24	48	3.72
BS 07008		**M8**	8,4	10.9	20	88	25	48	3.45
BS 07010	**70 mm²**	**M10**	10,5	10.9	20	88	25	48	3.45
BS 07012		**M12**	**12,8**	**10.9**	**20**	**88**	**25**	**48**	**3.45**
BS 09508		**M8**	8,4	12.4	20	88	25	48	3.34
BS 09510	**95 mm²**	**M10**	10,5	12.4	20	88	25	48	3.34
BS 09512		**M12**	**12,8**	**12.4**	**20**	**88**	**25**	**48**	**3.34**
BS 12008		**M8**	8,4	13,7	25	110	30	20	2.75
BS 12010	**120 mm²**	**M10**	10,5	13,7	25	110	30	20	2.75
BS 12012		**M12**	**12,8**	**13,7**	**25**	**110**	**30**	**20**	**2.75**
BS 15008		**M8**	8,4	15.5	25	110	30	20	2.62
BS 15010	**150 mm²**	**M10**	10,5	15.5	25	110	30	20	2.62
BS 15012		**M12**	**12,8**	**15.5**	**25**	**110**	**30**	**20**	**2.62**
BS 18508		**M8**	8,4	17	32	117	35	15	3.46
BS 18510	**185 mm²**	**M10**	10,5	17	32	117	35	15	3.46
BS 18512		**M12**	**12,8**	**17**	**32**	**117**	**35**	**15**	**3.46**

*** Our company reserves the right of changing the dimension of the products without any prior notification.**

Bi-metal (CU/AL) *Cable Lugs*





Features

- Manufactured similar to DIN 46329
- The lugs are marked for correct crimping

Material : E-Cu;Al-99.6%.
Surface Treatment : Bright

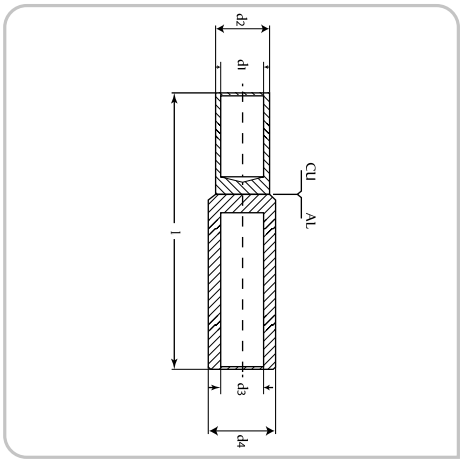
Product Code	Cross Section mm²	Bolt Ø	Dimensions (mm) d	d1	d2	l	b	Package Amount	Package Weight (~kg)
BS 24010		**M10**	10,5	19.5	32	117	35	15	3.30
BS 24012	**240 mm²**	**M12**	**12,8**	**19.5**	**32**	**117**	**35**	**15**	**3.30**
BS 24016		**M16**	17	19.5	32	117	35	15	3.30
BS 30010		**M10**	10,5	23.2	40	155,5	36	6	2.48
BS 30012	**300 mm²**	**M12**	12,8	23.2	40	155,5	36	6	2.48
BS 30016		**M16**	**17**	**23.2**	**40**	**155,5**	**36**	**6**	**2.48**
BS 40010		**M10**	10,5	26	40	155.5	36	6	2.31
BS 40012	**400 mm²**	**M12**	12,8	26	40	155.5	36	6	2.31
BS 40016		**M16**	**17**	**26**	**40**	**155.5**	**36**	**6**	**2.31**
BS 50010		**M10**	10,5	29	47	193	60	1	0.43
BS 50012	**500 mm²**	**M12**	12,8	29	47	193	60	1	0.43
BS 50016		**M16**	**17**	**29**	**47**	**193**	**60**	**1**	**0.43**
BS 63012	**630 mm²**	**M12**	12,8	32,5	47	193	60	1	0.77
BS 63016		**M16**	**17**	**32,5**	**47**	**193**	**60**	**1**	**0.77**
BS 80016	**800 mm²**	**M16**	**17**	**37.8**	**60**	**260**	**80**	**1**	**-**
BS 100016	**1000 mm²**	**M16**	**17**	**42**	**60**	**260**	**80**	**1**	**-**

*** Our company reserves the right of changing the dimension of the products without any prior notification.**

Bi-metal (AL/CU) Butt-Connector



RoHS COMPLIANT CE EAC



Features

- Solid centre barriers
- Prefilled with jointing compound
- Friction welded

Material : Cu ≥ 99.9%, Al ≥ 99.5%
Application : Medium Voltage

Product Code	Dimensions (mm)					Package Amount (Pcs)	Package Weight (kg)
	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	l (mm)		
AL16/CU10	4,4	6	5,6	12	66,5	100	2,88
AL16/CU16	5,5	8,5	5,6	12	66,5	100	2,98
AL25/CU10	4,4	6	6,8	12	66,5	100	2,94
AL25/CU16	5,5	8,5	6,8	12	72,5	100	3,54
AL25/CU25	7	10	6,8	12	72,5	100	3,68
AL35/CU16	5,5	8,5	8	14	72,5	80	2,68
AL35/CU25	7	10	8	14	72,5	80	2,77
AL35/CU35	8,2	12,2	8	14	72,5	80	2,86
AL50/CU25	7	10	9,8	16	75	50	2,58
AL50/CU35	8,2	12,2	9,8	16	75	50	2,82
AL50/CU50	10	14,5	9,8	16	75	50	2,95
AL70/CU35	8,2	12,2	11,2	18,5	75	50	2,67
AL70/CU50	10	14,5	11,2	18,5	81	50	3,12
AL70/CU70	11,5	16,5	11,2	18,5	83	30	2,31
AL95/CU50	10	14,5	13,2	22	81	45	2,78
AL95/CU70	11,5	16,5	13,2	22	83	45	3,09
AL95/CU95	13,5	19	13,2	22	83	35	3,25
AL120/CU70	11,5	16,5	14,7	23	99	40	4,42
AL120/CU95	13,5	19	14,7	23	107	40	5,30
AL120/CU120	15,5	21	14,7	23	107	40	5,55
AL150/CU95	13,5	19	16,3	25	107	40	5,18
AL150/CU120	15,5	21	16,3	25	107	40	5,39
AL150/CU150	17	23,5	16,3	25	107	40	6,50
AL185/CU120	15,5	21	18,3	28,5	107	25	4,75
AL185/CU150	17	23,5	18,3	28,5	112	25	5,42
AL185/CU185	19	25,5	18,3	28,5	112	25	5,82
AL240/CU150	17	23,5	21	32	112	25	5,14
AL240/CU185	19	25,5	21	32	115	25	5,60
AL240/CU240	21,5	29	21	32	116	25	6,54
AL300/CU185	19	25,5	23,3	34	152,5	48	5,09
AL300/CU240	21,5	29	23,3	34	153,5	48	5,09
AL300/CU300	24,5	32	23,3	34	159,5	48	5,55

*** Our company reserves the right of changing the dimension of the products without any prior notification.**

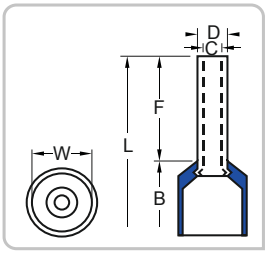
RECOMMENDED HAND TOOLS

"Crimping Range mm² "	Tool Code	"Mechanical Crimping Tools"	"Mechanical Crimping Tools with Revolving Dies"	"Hydraulic Crimping Tools"	"Hydraulic Crimping Heads"	"Battery Operated Hydraulic Crimping Tools"	"Crimping Profile"	Page
16-300	SC-130			*				**P71**
	SXC-130				*			**P72**
	SFK-120 ELEC							**P81**
16-400	SC-130L			*				**P71**
	SXC-130L				*			**P72**
	SHK-25				*			**P72**

Cord-end Terminals *French Color Norm (DIN 46228)*



Standard : DIN 46228
Material : Copper (E-Cu), Tin plated
Insulation : Nylon
Operating Temperature : Maximum 105° 600 Volt

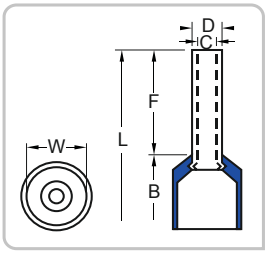


Product Code	Colour	Cross-Section mm²	Dimensions (mm) F	L	W	B	D	C	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
UY-3005 E	White	**0,50 mm²**	8,0	14,0	2,6	6,0	1,3	1,0	500	60.000	64
UY-3007 E	Blue	**0,75 mm²**	8,0	14,0	2,8	6,3	1,5	1,2	500	60.000	72
UY-3010 E	Red	**1,00 mm²**	8,0	14,0	3,0	6,3	1,7	1,4	500	60.000	75
UY-3015 E	Black	**1,50 mm²**	8,0	14,0	3,5	6,3	2,0	1,7	500	30.000	108
UY-3025 E	Grey	**2,50 mm²**	8,0	15,0	4,2	7,4	2,5	2,2	500	30.000	133
UY-3040 E	Orange	**4,00 mm²**	10,0	17,0	4,8	7,4	3,2	2,8	250	15.000	119
UY-3060 E	Green	**6,00 mm²**	12,0	20,0	6,3	8,5	3,9	3,5	250	12.500	177
UY-3100 E	Brown	**10,00 mm²**	12,0	22,0	7,6	8,8	4,9	4,5	100	6.000	109
UY-3160 E	Ivory	**16,00 mm²**	12,0	24,0	8,8	10,0	6,2	5,8	100	5.000	138
UY-3250 E	Black	**25,00 mm²**	16,0	28,0	11,2	12,0	7,7	7,3	50	2.500	125
UY-3350 E	Red	**35,00 mm²**	16,0	30,0	12,7	14,0	8,7	8,3	50	2.500	141
UY-3500 E	Blue	**50,00 mm²**	20,0	36,0	15,0	16,0	10,9	10,3	50	2.500	168
UY-3700 E	Yellow	**70,00 mm²**	20,0	37,0	16,0	17,0	14,3	13,5	50	2.500	270

Cord-end Terminals *German Color Norm (DIN 46228)*



Standard : DIN 46228
Material : Copper (E-Cu), Tin plated
Insulation : Nylon
Operating Temperature : Maximum 105° 600 Volt

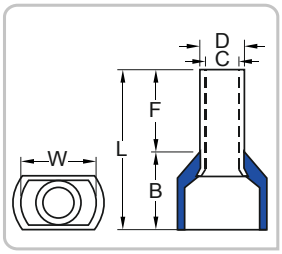


Product Code	Colour	Cross-Section mm²	Dimensions (mm) F	L	W	B	D	C	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
UY-2005 E	Orange	**0,50 mm²**	8,0	14,0	2,6	6,0	1,3	1,0	500	60.000	64
UY-2007 E	White	**0,75 mm²**	8,0	14,0	2,8	6,3	1,5	1,2	500	60.000	72
UY-2010 E	Yellow	**1,00 mm²**	8,0	14,0	3,0	6,3	1,7	1,4	500	60.000	75
UY-2015 E	Red	**1,50 mm²**	8,0	14,0	3,5	6,3	2,0	1,7	500	30.000	108
UY-2025 E	Blue	**2,50 mm²**	8,0	15,0	4,2	7,4	2,5	2,2	500	30.000	133
UY-2040 E	Grey	**4,00 mm²**	10,0	17,0	4,8	7,4	3,2	2,8	250	15.000	119
UY-2060 E	Black	**6,00 mm²**	12,0	20,0	6,3	8,5	3,9	3,5	250	12.500	179
UY-2100 E	Beige	**10,00 mm²**	12,0	22,0	7,6	8,8	4,9	4,5	100	6.000	109
UY-2160 E	Green	**16,00 mm²**	12,0	24,0	8,8	10,0	6,2	5,8	100	5.000	138
UY-2250 E	Brown	**25,00 mm²**	16,0	28,0	11,2	12,0	7,7	7,3	50	2.500	125
UY-2350 E	Beige	**35,00 mm²**	16,0	30,0	12,7	14,0	8,7	8,3	50	2.500	140
UY-2500 E	Olive	**50,00 mm²**	20,0	36,0	15,0	16,0	10,9	10,3	50	2.500	168

Insulated Twin Cord End Terminals *(DIN 46228)*



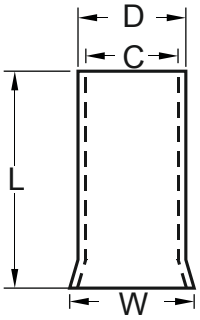
Standard : DIN 46228
Material : Copper (E-Cu), Tin plated
Insulation : Nylon
Operating Temperature : Maximum 105° 600 Volt



Product Code	Colour	Cross-Section mm²	Dimensions (mm) F	L	W	B	D	C	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
UY-23005 E	White	**2 x 0,50 mm²**	8,0	14,5	5,0	6,5	1,8	1,5	500	30.000	107
UY-23007 E	Blue	**2 x 0,75 mm²**	8,0	14,7	5,5	6,7	2,1	1,8	500	30.000	121
UY-23010 E	Red	**2 x 1,00 mm²**	8,0	15,1	5,5	7,1	2,4	2,1	500	30.000	137
UY-23015 E	Black	**2 x 1,50 mm²**	8,0	15,5	6,4	7,5	2,6	2,3	500	25.000	164
UY-23025 E	Grey	**2 x 2,50 mm²**	10,0	18,5	8,0	8,5	3,3	2,9	250	12.500	137
UY-23040 E	Orange	**2 x 4,00 mm²**	12,0	23,1	8,8	11,1	4,2	3,8	100	6.000	98
UY-23060 E	Green	**2 x 6,00 mm²**	14,0	26,1	9,5	12,1	5,3	4,9	100	5.000	149
UY-23100 E	Brown	**2 x 10,00 mm²**	14,0	26,6	12,6	12,6	6,9	6,5	50	3.000	108
UY-23160 E	Beige	**2 x 16,00 mm²**	14,0	31,3	19,0	17,3	8,7	8,3	50	2.500	56

Non-Insulated Cord End Terminals *(DIN 46228)*





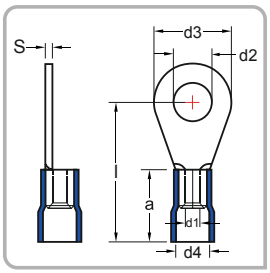
Standard : DIN 46228
Material : Copper (E-Cu), Tin plated

Product Code	Cross-Section mm²	Dimensions (mm) L	D	C	W	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
KY-0,50/6	0,50 mm²	6,0	1,3	1,0	1,7	1.000	120.000	54
KY-0,50	0,50 mm²	10,0	1,3	1,0	1,7	1.000	120.000	76
KY-0,75	0,75 mm²	10,0	1,5	1,2	1,9	1.000	120.000	85
KY-1,00	1,00 mm²	10,0	1,7	1,4	2,2	1.000	120.000	92
KY-1,50/7	1,50 mm²	7,0	2,0	1,7	2,5	1.000	120.000	83
KY-1,50	1,50 mm²	10,0	2,0	1,7	2,5	1.000	120.000	104
KY-2,50/8	2,50 mm²	8,0	2,6	2,3	3,3	1.000	120.000	112
KY-2,50	2,50 mm²	12,0	2,6	2,3	3,3	1.000	60.000	180
KY-4,00	4,00 mm²	12,0	3,2	2,8	3,9	500	30.000	155
KY-6,00	6,00 mm²	12,0	3,9	3,5	4,7	500	30.000	175
KY-10/12	10,00 mm²	12,0	4,9	4,5	5,8	250	15.000	131
KY-10	10,00 mm²	15,0	4,9	4,5	5,8	250	15.000	156
KY-16/12	16,00 mm²	12,0	6,2	5,8	7,2	100	12.000	67
KY-16	16,00 mm²	15,0	6,2	5,8	7,2	100	12.000	78
KY-25	25,00 mm²	15,0	7,9	7,5	9,1	100	6.000	114
KY-35	35,00 mm²	15,0	8,7	8,3	10,2	100	6.000	121
KY-50	50,00 mm²	22,0	10,9	10,3	12,7	100	-	217
KY-70	70,00 mm²	25,0	14,3	13,5	15,8	50	-	398
KY-95	95,00 mm²	30,0	15,6	14,8	17,3	50	-	511
KY-120	120,00 mm²	34,0	17,7	16,7	20,2	25	-	846
KY-150	150,00 mm²	38,0	20,6	19,6	23,0	25	-	1.026

Ring Type Insulated Cable Terminals *(DIN 46237)*



Material : Copper (E-Cu), Tin Plated
Insulation : PVC
Operating Temperature : Max 75° 600 Volt

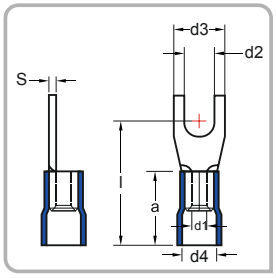


Product Code	Cross-Section mm²	Bolt Size	Dimensions (mm) d2	d3	l	d1	d4	a	S	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
YK-301	0,50 - 1,50 mm²	M3	3,2	6,0	16,0	1,6	4,0	10,0	0,8	200	12.000	182
YK-401		M4	4,3	8,0	17,0	1,6	4,0	10,0	0,8	200	12.000	206
YK-501		M5	5,3	10,0	18,0	1,6	4,0	10,0	0,8	200	12.000	238
YK-601		M6	6,5	10,0	18,0	1,6	4,0	10,0	0,8	200	12.000	255
YK-801		M8	8,4	14,0	22,0	1,6	4,0	10,0	0,8	200	12.000	324
YK-302	1,50 - 2,50 mm²	M3	3,2	6,0	16,0	2,3	4,5	10,0	0,8	200	12.000	202
YK-402		M4	4,3	8,0	17,0	2,3	4,5	10,0	0,8	200	12.000	224
YK-502		M5	5,3	10,0	19,0	2,3	4,5	10,0	0,8	200	10.000	269
YK-602		M6	6,5	11,0	21,0	2,3	4,5	10,0	0,8	200	10.000	297
YK-802		M8	8,4	14,0	22,0	2,3	4,5	10,0	0,8	200	10.000	346
YK-1002		M10	10,5	15,0	22,0	2,3	4,5	10,0	0,8	100	5.000	253
YK-1202		M12	13,0	18,0	25,0	2,3	4,5	10,0	0,8	100	6.000	200
YK-406	4,00 - 6,00 mm²	M4	4,3	8,0	21,0	3,6	6,3	13,0	1,0	100	6.000	205
YK-506		M5	5,3	10,0	22,0	3,6	6,3	13,0	1,0	100	6.000	223
YK-606		M6	6,5	11,0	22,5	3,6	6,3	13,0	1,0	100	6.000	249
YK-806		M8	8,4	14,0	26,0	3,6	6,3	13,0	1,0	100	5.000	290
YK-1006		M10	10,5	18,0	28,0	3,6	6,3	13,0	1,0	100	5.000	351
YK-1206		M12	13,0	18,0	28,0	3,6	6,3	13,0	1,0	50	3.000	172

Fork Type Insulated Cable Terminals *(DIN 46237)*



Material : Copper (E-Cu), Tin Plated
Insulation : PVC
Operating Temperature : Max. 75° 600 Volt

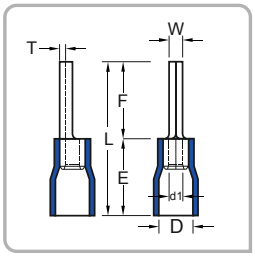


Product Code	Cross-Section mm²	Bolt Size	Dimensions (mm) d2	d3	l	d1	d4	a	S	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
ÇK-3001	0,50 - 1,50 mm²	M3	3,2	6,0	16,0	1,6	4,0	10	0,8	200	12.000	200
ÇK-4001		M4	4,3	6,8	17,0	1,6	4,0	10	0,8	200	12.000	200
ÇK-5001		M5	5,3	10,0	18,0	1,6	4,0	10	0,8	200	12.000	229
ÇK-6001		M6	6,5	11,0	20,0	1,6	4,0	10	0,8	200	12.000	242
ÇK-3002	1,50 - 2,50 mm²	M3	3,2	5,5	18,0	2,3	4,5	10	0,8	200	12.000	197
ÇK-4002		M4	4,3	6,8	17,0	2,3	4,5	10	0,8	200	12.000	202
ÇK-5002		M5	5,3	10,0	19,0	2,3	4,5	10	0,8	200	10.000	265
ÇK-6002		M6	6,5	11,0	21,0	2,3	4,5	10	0,8	200	10.000	297
ÇK-4006	4,00 - 6,00 mm²	M4	4,3	8,0	21,0	3,6	6,3	13	1,0	100	6.000	200
ÇK-5006		M5	5,3	10,0	22,0	3,6	6,3	13	1,0	100	6.000	226
ÇK-6006		M6	6,5	11,0	23,0	3,6	6,3	13	1,0	100	5.000	235
ÇK-8006		M8	8,4	14,0	26,0	3,6	6,3	13	1,0	100	5.000	284
ÇK-10006		M10	10,5	18	28,0	3,6	6,3	13	1,0	50	2.500	197

Pin Type *Insulated Cable Terminals*



Material : Copper (E-Cu), Tin plated
Insulation : Nylon
Operating Temperature : Maximum 105° 600 Volt

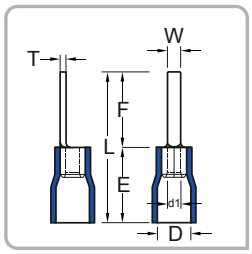


Product Code	Cross-Section mm²	Dimensions (mm) W	F	L	E	D	d1	T	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
İK-101	0,50 - 1,50 mm²	1,9	10,0	19,8	10,0	4,0	1,7	0,75	200	12.000	174
İK-102	1,50 - 2,50 mm²	1,9	12,0	21,8	10,0	4,5	2,3	0,80	200	12.000	210
İK-106	4,00 - 6,00 mm²	2,8	14,0	27,0	13,0	6,4	3,4	1,00	100	6.000	228

Blade Type *Insulated Cable Terminals*



Material : Copper (E-Cu), Tin plated
Insulation : PVC
Operating Temperature : Maximum 75° 600 Volt

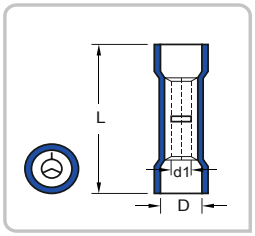


Product Code	Cross-Section mm²	Dimensions (mm) W	F	L	E	D	d1	T	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
İK-101/14	0,50 - 1,50 mm²	3,0	14,0	23,8	10,0	4,0	1,7	0,75	200	12.000	180 gr.
İK-102/18	1,50 - 2,50 mm²	2,2	18,0	27,8	10,0	4,5	2,3	0,80	200	12.000	206 gr.

Butt-splice *Connectors Insulated Cable Terminals*



Standard : DIN 46237
Material : Copper (E-Cu), Tin plated
Insulation : PVC
Operating Temperature : Maximum 75° 600 Volt

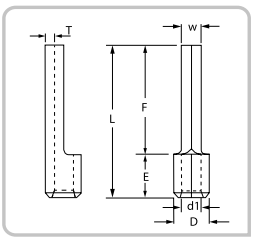


Product Code	Cross-Section mm²	L	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
BY-251	0,50 - 1,50 mm²	24,6	4,0	1,7	200	10.000	275
BY-252	1,50 - 2,50 mm²	24,6	4,5	2,3	200	10.000	322
BY-256	4,00 - 6,00 mm²	26,5	6,3	3,4	100	5.000	285

DIN 46230 Type Non- Insulated Cable Terminals - *(Welded)*



Standard : DIN 46230
Material : Copper (E-Cu), Tin plated
Operating Temperature : Maximum 75° 600 Volt

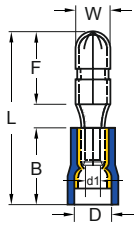


Product Code	Cross-Section mm²	W	F	L	E	D	d1	T	Package Amount (Pcs)	Package Weight (~gr)
İK-110-12	10 mm²	4,3	14,0	22,0	8,0	6,9	4,5	1,1	500	24,5
İK-116-13	16 mm²	5,5	16,0	26,0	10,0	8,4	5,8	1,2	250	29,7
İK-125-15	25 mm²	6,8	20,0	33,5	13,5	9,5	7,0	1,2	100	40,5
IK-135-20	35 mm²	8,0	24,5	40,5	16,0	11,8	8,4	1,5	50	40,0
IK-150-20	50 mm²	9,5	26,0	45,0	19,0	13,6	9,6	1,8	50	47,0
IK-170-25	70 mm²	11,0	31,0	55,0	24,0	15,8	11,4	2,0	25	59,0
IK-195-25	95 mm²	12,5	31,0	55,0	24,0	18,9	13,5	2,5	20	44,5

Male Terminals - *Insulated Cable Terminals (Extra Copper Sleeve)*



Material : Brass, Tin Plated, Copper Sleeved
Insulation : PVC
Operating Temperature : Maximum 75° 600 Volt

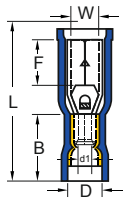


Product Code	Cross-Section mm²	Dimensions (mm) W	F	L	B	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
BE-1040	0,50 - 1,50 mm²	4,0	8,5	21,5	10,5	3,8	1,7	200	12.000	216
BE-2040	1,50 - 2,50 mm²	4,0	8,5	21,7	10,5	4,7	2,3	200	12.000	235
BE-2050		5,0	8,5	21,2	10,5	4,7	2,3	200	12.000	252
BE-5050	4,00 - 6,00 mm²	5,0	8,5	24,0	13,0	6,2	3,4	100	5.000	185

Female Terminals - *Insulated Cable Terminals (Extra Copper Sleeve)*



Material : Brass, Tin Plated, Copper Sleeved
Insulation : PVC
Operating Temperature : Maximum 75° 600 Volt

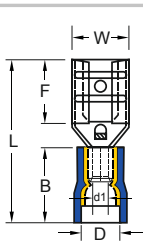


Product Code	Cross-Section mm²	Dimensions (mm) W	F	L	B	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
BD-1040	0,50 - 1,50 mm²	3,9	7,0	23,3	10,5	3,8	1,7	100	6.000	165
BD-2040	1,50 - 2,50 mm²	3,9	7,0	23,3	10,5	4,7	2,3	100	6.000	174
BD-2050		4,9	7,0	23,3	10,5	4,7	2,3	100	6.000	186
BD-5050	4,00 - 6,00 mm²	4,9	7,0	25,1	12,5	6,2	3,4	100	5.000	253

Female Disconnectors - *Insulated Cable Terminals (Extra Copper Sleeve)*



Material : Brass, Tin Plated, Copper Sleeved
Insulation : PVC
Operating Temperature : Maximum 75° 600 Volt

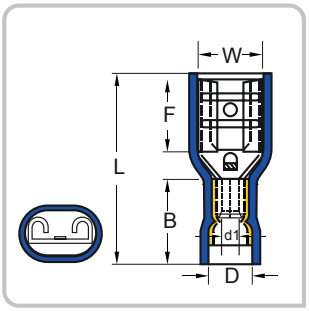


Product Code	Cross-Section mm²	Socket Width	Dimensions (mm) W	F	L	B	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
FD-1288/5	0,50 - 1,50 mm²	0,5 x 2,80	3,2	6,5	19,0	10,5	3,8	1,7	200	12.000	186
FD-1288		0,8 x 2,80	3,2	6,5	19,0	10,5	3,8	1,7	200	12.000	186
FD-1488/5		0,5 x 4,75	5,0	6,4	19,4	10,5	3,8	1,7	200	12.000	203
FD-1488		0,8 x 4,75	5,0	6,4	19,4	10,5	3,8	1,7	200	12.000	203
FD-1638		0,8 x 6,35	6,6	7,5	20,8	10,5	3,8	1,7	200	12.000	240
FD-1778		0,8 x 8,00	8,2	10,0	24,5	10,5	3,8	1,7	100	6.000	171
FD-2288	1,50 - 2,50 mm²	0,8 x 2,80	3,2	6,5	19,0	10,5	4,7	2,3	200	12.000	197
FD-2488		0,8 x 4,75	5,0	6,4	19,4	10,5	4,7	2,3	200	12.000	218
FD-2638		0,8 x 6,35	6,6	7,5	20,8	10,5	4,7	2,3	200	12.000	257
FD-2778		0,8 x 8,00	8,2	10,0	24,5	10,5	4,7	2,3	100	6.000	178
FD-5488	4,00 - 6,00 mm²	0,8 x 4,75	5,0	6,5	22,0	13,0	6,2	3,4	100	6.000	131
FD-5638		0,8 x 6,35	6,6	7,5	23,3	13,0	6,2	3,4	100	6.000	189
FD-5956		1,2 x 9,40	10,0	12,0	28,6	13,0	6,2	3,4	100	5.000	209

Fully Insulated Female Disconnectors - *Insulated Cable Terminals*
(Extra Copper Sleeve)



Material : Brass, Tin Plated, Copper Sleeved
Insulation : PVC
Operating Temperature : Maximum 75° 600 Volt

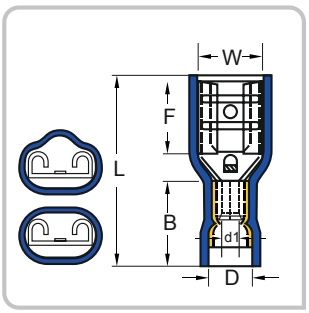


Product Code	Cross-Section mm²	Socket Width	Dimensions (mm) W	F	L	B	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
FFD-1288/5		0,5 x 2,80	3,2	6,5	19,0	10,5	3,8	1,7	200	12.000	206
FFD-1288		0,8 x 2,80	3,2	6,5	19,0	10,5	3,8	1,7	200	12.000	206
FFD-1488/5	**0,50 - 1,50 mm²**	0,5 x 4,75	5,0	6,4	20,5	10,5	3,8	1,7	200	10.000	237
FFD-1488		0,8 x 4,75	5,0	6,4	20,5	10,5	3,8	1,7	200	10.000	240
FFD-1638		0,8 x 6,35	6,6	7,5	21,8	10,5	3,8	1,7	100	6.000	167
FFD-2488	**1,50 - 2,50 mm²**	0,8 x 4,75	5,0	6,4	20,2	10,5	4,7	2,3	100	6.000	157
FFD-2638		0,8 x 6,35	6,6	7,5	22,2	10,5	4,7	2,3	100	6.000	178
FFD-5638	**4,00 - 6,00 mm²**	0,8 x 6,35	6,6	7,5	24,2	12,5	6,2	3,4	100	5.000	229

Fully Poliamid Insulated Female Disconnectors *(Extra Copper Sleeve)*



Material : Brass, Tin Plated, Copper Sleeved
Insulation : Nylon
Operating Temperature : Maximum 105° 600 Volt

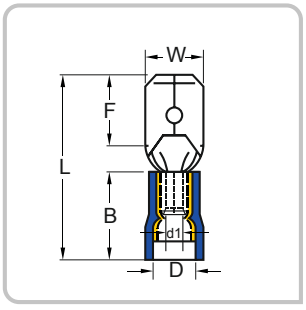


Product Code	Cross-Section mm²	Socket Width	Dimensions (mm) W	F	L	B	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
PFD-1288	**0,50 - 1,50 mm²**	0,8 x 2,80	3,2	6,5	19,5	11,0	4,0	1,7	200	12.000	206
PFD-1638		0,8 x 6,35	6,6	7,5	21,5	11,0	4,0	1,7	100	6.000	159
PFD-2638	**1,50 - 2,50 mm²**	0,8 x 6,35	6,6	7,5	21,5	11,0	5,0	2,3	100	6.000	166
PFD-5638	**4,00 - 6,00 mm²**	0,8 x 6,35	6,6	7,5	24,2	13,0	6,5	3,4	100	5.000	235

Male Disconnectors *(Extra Copper Sleeve)*



Material : Brass, Tin Plated, Copper Sleeved
Insulation : PVC
Operating Temperature : Maximum 75° 600 Volt

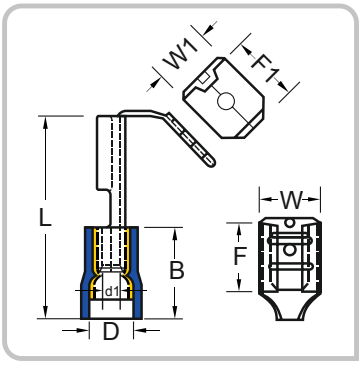


Product Code	Cross-Section mm²	Socket Width	Dimensions (mm) W	F	L	B	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
FE-1288		0,8 x 2,80	2,8	6,5	19,2	10,5	3,8	1,7	200	12.000	176
FE-1488	**0,50 - 1,50 mm²**	0,8 x 4,75	4,8	6,7	19,8	10,5	3,8	1,7	200	12.000	194
FE-1638		0,8 x 6,35	6,35	7,7	21,8	10,5	3,8	1,7	200	12.000	222
FE-2488	**1,50 - 2,50 mm²**	0,8 x 4,75	4,8	6,7	19,8	10,5	4,7	2,3	200	12.000	213
FE-2638		0,8 x 6,35	6,35	7,7	21,8	10,5	4,7	2,3	200	12.000	242
FE-5638	**4,00 - 6,00 mm²**	0,8 x 6,35	6,35	7,7	24,0	13,0	6,2	3,4	100	6.000	204

Piggy Back Disconnectors
Insulated Cable Terminals
(Extra Copper Sleeve)



Material : Brass, Tin Plated, Copper Sleeved
Insulation : PVC
Operating Temperature : Maximum 75° 600 Volt



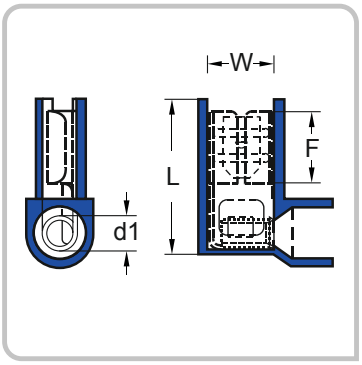
	Product Code	Cross-Section mm²	Socket Width	Dimensions (mm) W	W1	F	F1	L	B	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
	FDEG-1861	**0,50 - 1,50 mm²**	0,8 x 6,35	6,6	6,35	8,0	8,2	22,5	10,5	3,8	1,7	100	6.000	184
	FDEG-2862	**1,50 - 2,50 mm²**	0,8 x 6,35	6,6	6,35	8,0	8,2	22,5	10,5	4,7	2,3	100	6.000	191
	FDEG-5866	**4,00 - 6,00 mm²**	0,8 x 6,35	6,6	6,35	8,0	8,2	24,0	13,0	6,2	3,4	100	5.000	241

Flag Female Disconnectors - *Insulated Cable Terminals*





Material : Brass, Tin Plated, Copper Sleeved
Insulation : Nylon
Operating Temperature : Maximum 105° 600 Volt



	Product Code	Cross-Section mm²	Socket Width	Dimensions (mm) W	F	L	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
	PFDEB-1861	**0,50 - 1,50 mm²**	0,8 x 6,35	6,6	7,6	16,0	1,7	100	6.000	166
	PFDEB-2862	**1,50 - 2,50 mm²**	0,8 x 6,35	6,6	7,6	16,0	2,3	100	6.000	170

MCB Busbars

RoHS COMPLIANT CE

Product Code	Copper Thickness	Length	Module	Amperage	Type	
SFK-MBR-100053	1 mm	53 cm	30 Modules	80 A	Mono Phase Busbar	1P
SFK-MBR-100106	1 mm	106 cm	56 Modules	80 A	Mono Phase Busbar	1P

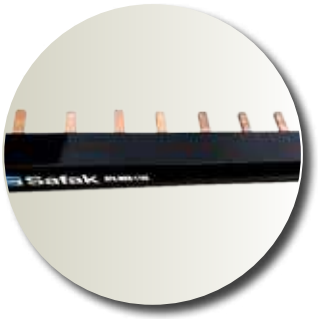
Product Code	Copper Thickness	Length	Module	Amperage	Type	
SFK-MBR-150053	1,5 mm	53 cm	30 Modules	100 A	Mono Phase Busbar	1P
SFK-MBR-150106	1,5 mm	106 cm	56 Modules	100 A	Mono Phase Busbar	1P

Product Code	Copper Thickness	Length	Module	Amperage	Type	
SFK-TBR-100022	1 mm	22 cm	4 Groups	80 A	Three Phase Busbar	3P
SFK-TBR-100033	1 mm	33 cm	6 Groups	80 A	Three Phase Busbar	3P
SFK-TBR-100044	1 mm	44 cm	8 Groups	80 A	Three Phase Busbar	3P
SFK-TBR-100053	1 mm	53 cm	10 Groups	80 A	Three Phase Busbar	3P
SFK-TBR-100106	1 mm	106 cm	19 Groups	80 A	Three Phase Busbar	3P

Product Code	Copper Thickness	Length	Module	Amperage	Type	
SFK-TBR-150022	1,5 mm	22 cm	4 Groups	100 A	Three Phase Busbar	3P
SFK-TBR-150033	1,5 mm	33 cm	6 Groups	100 A	Three Phase Busbar	3P
SFK-TBR-150044	1,5 mm	44 cm	8 Groups	100 A	Three Phase Busbar	3P
SFK-TBR-150053	1,5 mm	53 cm	10 Groups	100 A	Three Phase Busbar	3P
SFK-TBR-150106	1,5 mm	106 cm	19 Groups	100 A	Three Phase Busbar	3P
SFK-TBR-KAP					Busbar end cap	

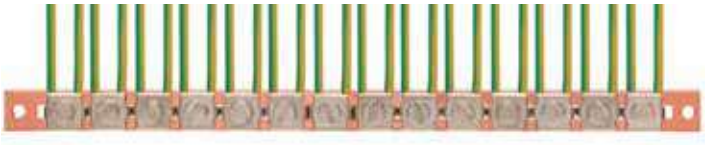








Neutral Busbar



RoHS COMPLIANT CE

Product Code	Copper Thickness	Length (mt)	Bolts	Package Amount
SFK-NBR-151531	15 mm x 1,5 mm	1 mt	31 Bolts	50
SFK-NBR-151561	15 mm x 1,5 mm	1 mt	61 Bolts	50
SFK-NBR-152031	15 mm x 2 mm	1 mt	31 Bolts	50
SFK-NBR-152061	15 mm x 2 mm	1 mt	61 Bolts	50

1 Distribution Blocks 125 A

Product Code	Type	L	H	B	Package Amount
SFK-DNT-105	Terminal Blocks 2+5	67	40	40	50
SFK-DNT-108	Terminal Blocks 2+8	89	40	40	40
SFK-DNT-110	Terminal Blocks 2+10	104	40	40	30
SFK-DNT-113	Terminal Blocks 2+13	126	40	40	30
SFK-DNT-118	Terminal Blocks 2+18	170	40	40	20
SFK-DNT-120	Terminal Blocks 2+20	178	40	40	20
SFK-DNT-123	Terminal Blocks 2+23	201	40	40	20



2 Distribution Blocks 80 A

Product Code	Type	L	H	B	Package Amount
SFK-DNT-205/80	Terminal Blocks 2+5	72	55	45	30
SFK-DNT-208/80	Terminal Blocks 2+8	86	55	45	25
SFK-DNT-210/80	Terminal Blocks 2+10	107	55	45	25
SFK-DNT-213/80	Terminal Blocks 2+13	114	55	45	25
SFK-DNT-218/80	Terminal Blocks 2+18	143	55	45	12
SFK-DNT-220/80	Terminal Blocks 2+20	155	55	45	12
SFK-DNT-223/80	Terminal Blocks 2+23	170	55	45	12



2 Distribution Blocks 125 A

Product Code	Type	L	H	B	Package Amount
SFK-DNT-205/125	Terminal Blocks 2+5	67	55	45	30
SFK-DNT-208/125	Terminal Blocks 2+8	89	55	45	25
SFK-DNT-210/125	Terminal Blocks 2+10	104	55	45	25
SFK-DNT-213/125	Terminal Blocks 2+13	126	55	45	25
SFK-DNT-218/125	Terminal Blocks 2+18	170	55	45	12
SFK-DNT-220/125	Terminal Blocks 2+20	178	55	45	12
SFK-DNT-223/125	Terminal Blocks 2+23	201	55	45	12



3 Distribution Blocks 80 A

Product Code	Type	L	H	B	Package Amount
SFK-DNT-305/80	Terminal Blocks 2+5	72	55	85	15
SFK-DNT-308/80	Terminal Blocks 2+8	86	55	85	10
SFK-DNT-310/80	Terminal Blocks 2+10	107	55	85	10
SFK-DNT-313/80	Terminal Blocks 2+13	114	55	85	10
SFK-DNT-318/80	Terminal Blocks 2+18	143	55	85	6
SFK-DNT-320/80	Terminal Blocks 2+20	155	55	85	6
SFK-DNT-323/80	Terminal Blocks 2+23	170	55	85	6



3 Distribution Blocks 125 A

Product Code	Type	L	H	B	Package Amount
SFK-DNT-305/125	Terminal Blocks 2+5	67	55	85	15
SFK-DNT-308/125	Terminal Blocks 2+8	89	55	85	10
SFK-DNT-310/125	Terminal Blocks 2+10	104	55	85	10
SFK-DNT-313/125	Terminal Blocks 2+13	126	55	85	10
SFK-DNT-318/125	Terminal Blocks 2+18	170	55	85	6
SFK-DNT-320/125	Terminal Blocks 2+20	178	55	85	6
SFK-DNT-323/125	Terminal Blocks 2+23	201	55	85	6

4 Distribution Blocks 80 A

Product Code	Type	L	H	B	Package Amount
SFK-DNT-405/80	Terminal Blocks 2+5	72	55	85	15
SFK-DNT-408/80	Terminal Blocks 2+8	86	55	85	10
SFK-DNT-410/80	Terminal Blocks 2+10	107	55	85	10
SFK-DNT-413/80	Terminal Blocks 2+13	114	55	85	10
SFK-DNT-418/80	Terminal Blocks 2+18	143	55	85	6
SFK-DNT-420/80	Terminal Blocks 2+20	155	55	85	6
SFK-DNT-423/80	Terminal Blocks 2+23	170	55	85	6



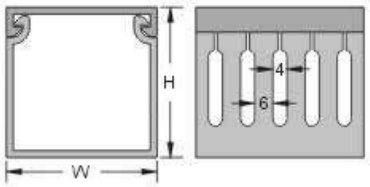
4 Distribution Blocks 125 A

Product Code	Type	L	H	B	Package Amount
SFK-DNT-405/125	Terminal Blocks 2+5	72	55	85	15
SFK-DNT-408/125	Terminal Blocks 2+8	86	55	85	10
SFK-DNT-410/125	Terminal Blocks 2+10	107	55	85	10
SFK-DNT-413/125	Terminal Blocks 2+13	114	55	85	10
SFK-DNT-418/125	Terminal Blocks 2+18	143	55	85	6
SFK-DNT-420/125	Terminal Blocks 2+20	155	55	85	6
SFK-DNT-423/125	Terminal Blocks 2+23	170	55	85	6

Wiring Ducts and Accessories







Features

- Operating temperature : -15°C….+60°C
- Standard length : 2m
- Standard color : RAL 7030 grey
- RoHS compatible
- Meets the EN 50085-2-3 standards
- Cerificates : VDE, UL, cULus and EAC

Wiring Ducts

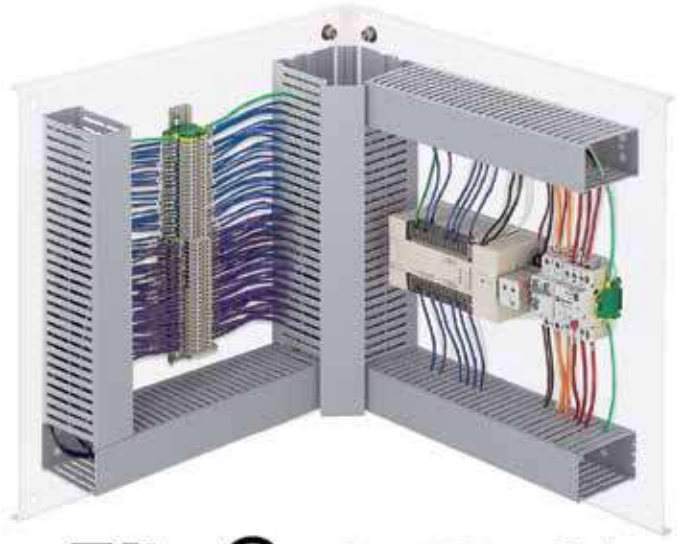
Product Code	Dimensions (mm)	Colour	Quantity
SKC025030	25x30	Grey	72
SKC025040	25x40	Grey	56
SKC025060	25x60	Grey	42
SKC025080	25x80	Grey	28
SKC040040	40x40	Grey	38
SKC040060	40x60	Grey	28
SKC040080	40x80	Grey	28
SKC040100	40x100	Grey	24
SKC060040	60x40	Grey	26
SKC060060	60x60	Grey	18
SKC060080	60x80	Grey	20
SKC060100	60x100	Grey	18
SKC080060	80x60	Grey	20
SKC080080	80x80	Grey	16
SKC080100	80x100	Grey	12
SKC100060	100x60	Grey	16
SKC100080	100x80	Grey	12
SKC100100	100x100	Grey	10
SKC120060	120x60	Grey	12
SKC120080	120x80	Grey	10

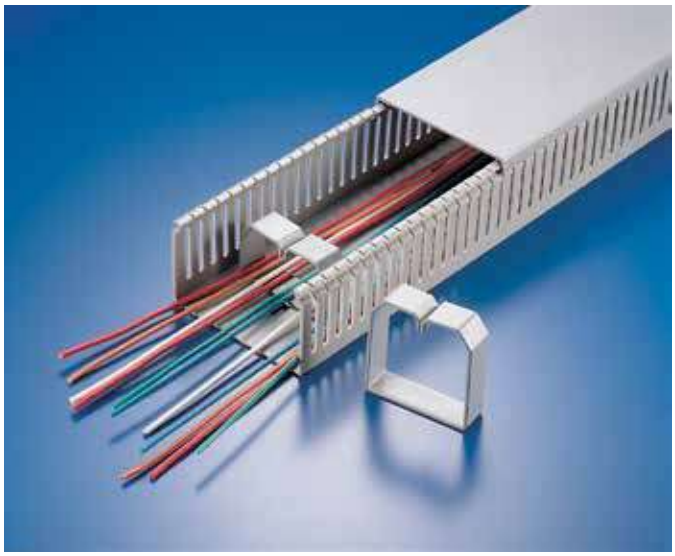
Wiring Duct Covers

Product Code	Dimensions (mm)	Colour	Description	Quantity
SKK025	25	Grey	SKK 25 mm Wiring Duct Covers	10
SKK040	40	Grey	SKK 40 mm Wiring Duct Covers	10
SKK060	60	Grey	SKK 60 mm Wiring Duct Covers	10
SKK080	80	Grey	SKK 80 mm Wiring Duct Covers	10
SKK100	100	Grey	SKK 100 mm Wiring Duct Covers	10
SKK120	120	Grey	SKK 120 mm Wiring Duct Covers	10



Cable Retainer - *Wiring Ducts and Accessories*





Product Code	Description	Colour	Quantity
SKT 2040	20X40MM Cable Retainer	Grey	10
SKT 4040	40X40MM Cable Retainer	Grey	10
SKT 4065	40X65MM Cable Retainer	Grey	10
SKT 6565	65X65MM Cable Retainer	Grey	10
SKT 7040	70X40MM Cable Retainer	Grey	10

Wiring Duct Cutter



Product Code	Description	Quantity
KKM	Wiring Duct Cutter	1

Natural Cable Ties *Nylon 6.6*



Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-100-2C	**100**	**2,5**	Natural	24	11 daN	100	30.000	10,40
S-135-2C	**135**		Natural	35	11 daN	100	25.000	12,25
S-160-2C	**160**		Natural	40	11 daN	100	20.000	11,05
S-200-2C	**200**		Natural	55	11 daN	100	20.000	14,45

Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-140-3C	**140**	**3,5**	Natural	36,00	20 daN	100	20.000	13,40
S-200-3C	**200**		Natural	55,00	20 daN	100	12.000	11,15
S-250-3C	**250**		Natural	68,00	20 daN	100	13.000	15,50
S-280-3C	**280**		Natural	80,00	20 daN	100	13.000	18,20
S-360-3C	**360**		Natural	103,00	20 daN	100	8.000	13,80

Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-200-4C	**200**	**4,5**	Natural	51	28 daN	100	10.000	14,35
S-250-4C	**250**		Natural	68	28 daN	100	10.000	18,45
S-300-4C	**300**		Natural	82	28 daN	100	8.000	17,85
S-360-4C	**360**		Natural	101	28 daN	100	8.000	19,50
S-380-4C	**380**		Natural	110	28 daN	100	7.000	19,45
S-430-4C	**430**		Natural	123	28 daN	100	5.000	15,30

Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-320-7C	**320**	**7,5**	Natural	88	65 daN	100	3.000	15,85
S-360-7C	**360**		Natural	101	65 daN	100	3.000	16,80
S-450-7C	**450**		Natural	130	65 daN	100	2.500	18,60
S-540-7C	**540**		Natural	160	65 daN	100	2.500	22,25
S-750-7C	**750**		Natural	220	65 daN	100	1.500	17,85

Self-adhesive Nylon Square Base



Product Code	Dimensions Length x Width (mm)	Cable Tie Entry (mm)	Colour	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-1919	**19 x 19**	4	Natural	10 daN	100	5.000	4,50
S-1919B	**19 x 19**	4	Black	10 daN	100	5.000	4,50
S-2727	**27 x 27**	4,5	Natural	16 daN	100	5.000	11,00
S-2727B	**27 x 27**	4,5	Black	16 daN	100	5.000	11,00

Saddle Natural Nylon Support



Product Code	Dimensions Length x Width (mm)	Bolt Ø (mm)	Colour	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-TM1	**15.2 x 9.4 x 6.8**	3,3	Natural	100	5.000	2,40
S-TM2	**22 x 16.2 x 10.8**	5,2	Natural	100	3.000	5,50

Black Cable Ties *Nylon 6.6*



Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-100B-2C	**100**	**2,5**	Black	24	11 daN	100	30.000	10,40
S-135B-2C	**135**		Black	35	11 daN	100	25.000	12,25
S-160B-2C	**160**		Black	40	11 daN	100	20.000	11,05
S-200B-2C	**200**		Black	55	11 daN	100	20.000	14,45

Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-140B-3C	**140**	**3,5**	Black	36,00	20 daN	100	20.000	13,40
S-200B-3C	**200**		Black	55,00	20 daN	100	12.000	11,15
S-250B-3C	**250**		Black	68,00	20 daN	100	13.000	15,50
S-280B-3C	**280**		Black	80,00	20 daN	100	13.000	18,20
S-360B-3C	**360**		Black	103,00	20 daN	100	8.000	13,80

Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-200B-4C	**200**	**4,5**	Black	51	28 daN	100	10.000	14,35
S-250B-4C	**250**		Black	68	28 daN	100	10.000	18,45
S-300B-4C	**300**		Black	82	28 daN	100	8.000	17,85
S-360B-4C	**360**		Black	101	28 daN	100	8.000	19,50
S-380B-4C	**380**		Black	110	28 daN	100	7.000	19,45
S-430B-4C	**430**		Black	123	28 daN	100	5.000	15,30

Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
S-320B-7C	**320**	**7,5**	Black	88	65 daN	100	3.000	15,85
S-360B-7C	**360**		Black	101	65 daN	100	3.000	16,80
S-450B-7C	**450**		Black	130	65 daN	100	2.500	18,60
S-540B-7C	**540**		Black	160	65 daN	100	2.500	22,25
S-750B-7C	**750**		Black	220	65 daN	100	1.500	17,85

Cable Tie Fixing Apparatus - *Cable Ties*

Product Code	Dimensions Length x Width (mm)		Colour	Panel Thickness	Min. Tensile Strength
S-TA1	**200**	**4,6**	Black	max:1-3	225 daN



Features

- **Pre-assembled 2-piece fixing tie with EdgeClip**
- **Cable tie head can be moved after bundling**
- **These cable ties and EdgeClip assemblies are ideal for use where holes are not acceptable or where due to tempareture problems adhesives will fail. These assemblies are widely used for fixing and bundling cables, pipes and hoses within the automotive industry, harness making, panel building and electrical industry.**

Material

- **Polyamide 6.6 UV-stabilized (PA66UV)**
- **Cable Ties: Polyamide 6.6, heat stabilized (PA66HS)**
- **Foot part: Polyamide 6.6, high impact modified , heat stabilized (PA66HIRHS)**

Operation Temperature

- **Polyamide 6.6 UV-stabilized (PA66UV): -40 ° C to + 85 ° C**
- **Heat stabilized (PA66HS): -40 ° C to + 115 ° C**

Stainless Steel *Cable Ties*



Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength Kg (min)	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
SFK-STB-125S	**125**	**4,5**	Grey	38	90,00	100	5.000	9,08
SFK-STB-200S	**200**		Grey	61	90,00	100	2.500	6,50
SFK-STB-250S	**250**		Grey	81	90,00	100	2.500	7,80
SFK-STB-300S	**300**		Grey	93	90,00	100	2.500	8,90
SFK-STB-360S	**360**		Grey	112	90,00	100	2.500	10,20
SFK-STB-400S	**400**		Grey	125	90,00	100	2.500	10,36
SFK-STB-520S	**520**		Grey	163	90,00	100	2.500	13,36
SFK-STB-680S	**680**		Grey	214,8	90,00	100	2.000	13,04
SFK-STB-840S	**840**		Grey	265,7	90,00	100	2.000	15,89
SFK-STB-200M	**200**	**7,9**	Grey	61,9	160,00	100	2.500	12,90
SFK-STB-360M	**360**		Grey	112	153,00	50	1.250	9,75
SFK-STB-520M	**520**		Grey	163,8	160,00	100	2.000	20,80
SFK-STB-680M	**680**		Grey	214,8	160,00	100	1.000	13,40
SFK-STB-840M	**840**		Grey	265,7	160,00	100	1.000	16,20

Stainless Steel Cable Ties (Ball Lock Type)

- **Self-locking head design speeds installation and locks into place at any length along the tie body .**
- **Provides a strong, durable method of cable bundling .**
- **Can be used in a wide range of indoor, outdoor applications.**
- **Smooth surfaces and rounded edges assures cable protection and worker safety.**
- **Provide the ultimate support for network cables.**
- **304 stainless steel for general-purpose applications.**

Water absorption : None
Flammability : UL94V-2
Ultraviolet resistance : Excellent
Temperature range : -40°C to 85°C

Stainless Steel Label



Product Code	Dimensions Length x Width (mm)		Colour	Bag Quantitiy	Carton Quantitiy	Carton Weight
SFK-STB1990	**19**	**90**	Grey	100	2.500	8.0 kg

Stainless Steel Cable Ties *Polyester Coated -304 Steel*



Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength Kg (min)	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
SFK-STB1254C	**125**	**4,5**	Black	38	45	100	5.000	9,33
SFK-STB2004C	**200**		Black	61,9	45	100	2.500	6,59
SFK-STB2504C	**250**		Black	81	45	100	2.500	7,88
SFK-STB3004C	**300**		Black	90,6	45	100	2.500	9,2
SFK-STB3604C	**360**		Black	112.8	45	100	2.500	10,4
SFK-STB5204C	**520**		Black	163.8	45	100	2.500	14,89
SFK-STB6804C	**680**		Black	214,8	45	100	2.000	14,68
SFK-STB8404C	**840**		Black	265,7	45	100	2.000	17,49
SFK-STB2008C	**200**	**7,9**	Black	61,9	80	100	2.500	13,00
SFK-STB3608C	**360**		Black	112,8	80	100	2.500	19,8
SFK-STB5208C	**520**		Black	163,8	80	100	2.000	21,4
SFK-STB6808C	**680**		Black	214,8	80	100	1.000	13,5
SFK-STB8408C	**840**		Black	265,7	80	100	1.000	18,27

Stainless Steel Cable Ties *Polyester Coated -316 Steel*



Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength Kg (min)	Bag Quantitiy	Carton Quantitiy	Carton Weight (~kg)
SFK-STB1254-316C	**125**	**4,5**	Black	38	45	100	5.000	9,42
SFK-STB2004-316C	**200**		Black	61,9	45	100	2.500	6,66
SFK-STB2504-316C	**250**		Black	81	45	100	2.500	7,96
SFK-STB3004-316C	**300**		Black	90,6	45	100	2.500	9,29
SFK-STB3604-316C	**360**		Black	112.8	45	100	2.500	10,50
SFK-STB5204-316C	**520**		Black	163.8	45	100	2.500	15,04
SFK-STB6804-316C	**680**		Black	214,8	45	100	2.000	14,83
SFK-STB8404-316C	**840**		Black	265,7	45	100	2.000	17,66
SFK-STB2008-316C	**200**	**7,9**	Black	61,9	80	100	2.500	13,13
SFK-STB3608-316C	**360**		Black	112,8	80	100	2.500	20,00
SFK-STB5208-316C	**520**		Black	163,8	80	100	2.000	21,61
SFK-STB6808-316C	**680**		Black	214,8	80	100	1.000	13,64
SFK-STB8408-316C	**840**		Black	265,7	80	100	1.000	18,45

Stainless Stell Cable Ties (Ball Lock Type)

- **Self-locking head design speeds installation and locks into place at any length along the tie body .**
- **Provides a strong, durable method of cable bundling .**
- **Can be used in a wide range of indoor, outdoor applications.**
- **Smooth surfaces and rounded edges assures cable protection and worker safety.**
- **Provide the ultimate support for network cables.**
- **304 and 316 stainless steel for general-purpose applications.**
- **Polyester coated .**

Water absorption : None
Flammability : UL94V-2
Ultraviolet resistance : Excellent
Temperature range : -40°C to 85°C

Cord-end Sleeve Crimping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-Y0810





Technical Data

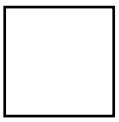
Cross-Section	: 0,08-10 mm² (28-8 AWG)
Crimping Technic	: Linear
Length	: Approx. 195mm
Width	: Approx. 65mm
Weight	: Approx. 300g.

The point where the conductor is fit : Front
Self-adjustable

Terminal / Connector Type



Chirimping Form



- The tool is applicable to crimp insulated and non-insulated cord-end sleeves.
- The main features are the high-precision crimping results in addition to a very comfortable transmission even for large cross sections.
- The outstanding handling of the tools depends on the different tool constructions and on the ergonomically designed soft handles with non-slip-off grip material.
- In accordance with the application needs you can insert the ferrules and the cable from the side or the front.

SFK-Y0816



Technical Data

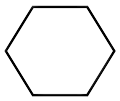
Cross-Section	: 0,08-16 mm²
Length	: Approx. 215mm
Width	: Approx. 75mm
Weight	: Approx. 500g.

Crimping Technic : Linear
The point where the conductor is fit : Front

Terminal / Connector Type



Chirimping Form



- Automatic adjustment to the cross section from 0.08 to 16,0 mm² without setting
- Low hand force – reduced by 30% compared to previously known tools
- Movable locator for a precise location of small cross sections
- The tool is suited for both right and left handed users
- Regular hexagonal precision crimp along the entire length of the sleeve
- Releasable locking mechanism ensures a complete crimping operation
- Ergonomic soft-handles with slip-off protection
- Small width of the handles
- Completely made of high-tempered special steel, specific stressed parts are specially heat treated

SFK-Y01416





Technical Data

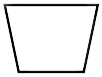
Cross-Section	: 0,14-16,0 mm² (26-20;18-16; 14; 12; 10; 8; 6 AWG)
Length	: Approx. 230mm
Width	: Approx. 80mm
Weight	: Approx. 485g.

It can be used with SAP-0560 Clip & Strip unit.

Terminal / Connector Type



Chirimping Form



- Releasable ratchet mechanism ensures a complete crimping operation
- As an accessory the cutting and stripping unit Clip & Strip can be mounted in the handles of the tool without any additional tool, transforming this service into a real multitalent.

SFK-Y0256





Technical Data

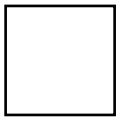
Cross-Section	: 0,25-6,0mm² (AWG 24-10)
Length	: Approx. 160mm
Width	: Approx. 32mm
Weight	: Approx. 371g.
Crimping Technic	: Linear

The point where the conductor is fit : Front
Self-adjustable

Terminal / Connector Type



Chirimping Form



- Automatic adjustment to wire cross sections
- Continuous precision crimp over the full length of the ferrule
- Full cycle ratchet operation (with release) assuring a complete crimp
- Perfect fit to the ergonomics of the hand
- Worldwide first crimping tool with this form and design
- Patented crimp technology
- Supplied from our in-house production

Cord-end Sleeve Crimping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-Y05010



Technical Data

Cross-Section	: 0,5-10 mm² (20-8 AWG)
Length	: Approx. 210mm
Width	: Approx. 83mm
Weight	: Approx. 500g.
Crimping Technic	: Linear
The point where the conductor is fit	: Front

Terminal / Connector Type



Chirimping Form



- Automatic adjustment according to cable cross section
- High precision crimping results
- Releasable ratchet mechanism ensures a complete crimping operation
- Ergonomic soft-handles with slip-off protection

SFK-Y1050



Technical Data

Cross-Section	: 10,0-50,0 mm² (8;6;4;2;1 AWG)
Length	: Approx. 304mm
Width	: Approx. 90mm
Weight	: Approx. 600g.

Terminal / Connector Type



Chirimping Form



- Ergonomic soft-handles with slip-off protection
- Releasable ratchet mechanism ensures a complete crimping operation
- As an accessory the cutting and stripping unit Clip & Strip can be mounted in the handles of the tool without any additional tool, transforming this service into a real multitalent.

Insulated Terminals Crimping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-I0506







Technical Data

Cross Section	: Red 0,5-1,0 (20-18 AWG) Blue 1,5-2,5 (16-14 AWG) Yellow 4,0-6,0(12-10 AWG)
Length	: Approx. 220mm
Width	: Approx. 80mm
Weight	: Approx. 552g.

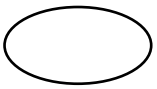
It can be used with SAP-0560 Clip & Strip unit.

Terminal / Connector Type





Chirimping Form



It is for ring type red/blue/yellow DIN cable terminals, blade type cable terminals, female disconnectors, male disconnectors, bullet disconnectors, butt splice connectors

Non-insulated Terminals and Connectors Crimping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-IZ0251





Technical Data

Cross-Section	: 0,25-1,0 mm² (28-24; 24-20; 20-18 AWG)
Length	: Approx. 220mm
Width	: Approx. 80mm
Weight	: Approx. 510g.

It can be used with SAP-0560 Clip & Strip unit.

Terminal / Connector Type



Chirimping Form



- Tool with precise radial closing motion
- Exchangeable crimp die sets
- Precision due to special profile geometry
- With device for mounting the cutting and stripping system Clip & Strip
- Releasable ratchet ensures the complete crimp process
- Ergonomic soft handles with slip-off protection
- Low handle force thanks to an optimal force transmission
- Completely made of high-tempered special steel, specific stressed parts are specially heat treated

Non-insulated Terminals and Connectors Crimping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-IZ0560



Technical Data

Cross-Section	: 0,5-6,0 mm² (20-18; 16-12; 12-10 AWG)
Length	: Approx. 220mm
Width	: Approx. 80mm
Weight	: Approx. 480g.

Terminal / Connector Type





It can be used with SAP-0560 Clip & Strip unit.

Chirimping Form



- Tool with precise radial closing motion
- Exchangeable crimp die sets
- Precision due to special profile geometry
- With device for mounting the cutting and stripping system Clip & Strip
- Releasable ratchet ensures the complete crimp process
- Ergonomic soft handles with slip-off protection
- Low handle force thanks to an optimal force transmission
- Completely made of high-tempered special steel, specific stressed parts are specially heat treated

Cable Lug Crimping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-K07516



Technical Data

Cross-Section	: 0,75-16,0 mm² (18-16; 14; 12; 10-8; 6 AWG)
Length	: Approx. 285mm
Width	: Approx. 90mm
Weight	: Approx. 575g.

Terminal / Connector Type





It can be used with SAP-0560 Clip & Strip unit.

Chirimping Form



- Automatic adjustment according to cable cross section
- High precision crimping results
- Releasable ratchet mechanism ensures a complete crimping operation
- Ergonomic soft-handles with slip-off protection

Connector Crimping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-D4



Technical Data

Crimp	: For application of 4 pos. plugs for telephone and EDP connection
Length	: Approx. 195mm
Width	: Approx. 63mm
Weight	: Approx. 290g.
Crimping Technic	: Linear

Terminal / Connector Type



SFK-D6



Technical Data

Crimp	: For application of 6 pos. plugs for telephone and EDP connection.
Length	: Approx. 195mm
Width	: Approx. 63mm
Weight	: Approx. 290g.
Crimping Technic	: Linear

Terminal / Connector Type



Connector Crimping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-D8



Terminal / Connector Type



Technical Data

Crimp	: For application of 8 pos. plugs for telephone and EDP connection
Length	: Approx. 195mm
Width	: Approx. 63mm
Weight	: Approx. 290g.
Crimping Technic	: Linear

SFK-KP5859



Technical Data

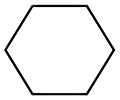
Cross-Section	: SW 5,4
	SW 6,48
	SW 1,72

Length	: Approx. 220mm
Width	: Approx. 80mm
Weight	: Approx. 510g.

Terminal / Connector Type



Chirimping Form



- Tool with precise radial closing motion
- Exchangeable crimp die sets
- Precision due to special profile geometry
- With device for mounting the cutting and stripping system Clip & Strip
- Releasable ratchet ensures the complete crimp process
- Ergonomic soft handles with slip-off protection
- Low handle force thanks to an optimal force transmission
- Completely made of high-tempered special steel, specific stressed parts are specially heat treated

Cable Stripping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-S0316



Technical Data

Stripping Range	: 0,03-16,0 mm²
Length	: Approx. 202mm
Weight	: Approx. 195g.

- Smart self-adjustment of all cross-sections
- With additional “POWERPLUS” for special cables
- Length locator for adjustable stripping length of 3,0 to 21,0 mm
- With precise cutting function and integrated hand protection
- Stripping blades are quickly exchangeable without the help of tools
- The “SAFELINE” in the handle ensures a safe storage of the stripping blades
- Fatigue-free work will be guaranteed through the ergonomic design
- High tool stability thanks to glass fiber polymaid

Cable Stripping Tools - *Heavy Duty Mechanical Hand Tools*

SFK-S629



Technical Data

Wire and cable types	: Strips PVC, Rubber and Butyl insulations
Length	: Approx. 140mm
Width	: Approx. 38mm
Weight	: Approx. 96g.
Stripping Range	: 4,5-29,0 mm2

Heavy-duty cable stripping tool that adjusts to suit all types of insulations, including Rubber, Butyl and PVC.

The PTFE coated blade housing combined with an ultra sharp blade delivers smooth low friction stripping even on the toughest of insulations. All the plastic components are made from high quality engineering grade polymers and all the metal parts are made from the finest carbon steels to ensure a reliable long life performance.

SFK-S2511



Technical Data

Stripping Range	: Round/Oval cables, Up to 11mm (0.43") Diameter
Length	: Approx. 90mm
Width	: Approx. 38mm
Weight	: Approx. 35g.
Typical Application Data	: Data : Ethernet 10Base T, Token Ring, (IBM Cabling Types 1&6), Appletalk and ISDN. Voice : Premise Distribution

Rotary action jacket stripper for twisted pair, data and structured cables up to 11mm dia.

The SFK-S2511 takes the guesswork out of removing the cable jackets from many types of twisted pair (UTP & STP), multicore (shielded and unshielded) and fiber optic cables. This multipurpose tool automatically adapts itself to accept cable diameters of up to 11mm (0.43"). It is designed for long blade life and to cut into the insulation while leaving the conductors undamaged. It can be used for voice, video, audio, security and many other applications. This tool is ready to use straight from the box with no adjustments ever being needed, this ensures a reliable consistent cut.

No. 2



Technical Data

Stripping Range	: Ø 4,8 - 7,5 mm
Length	: 110 mm
Weight	: 30 g.

- Two- or three-level stripping of all common coaxial cables (e.g. antenna and transmission cables) of 4,8 to 7,5 mm outer Ø.
- Needs no adjustment of the cutting depth.

No. 5



Technical Data

Stripping Range	: 0,2 - 6,0 mm²
Length	: 195 mm.
Weight	: 130 g.

- Automatic wire stripper for all common stranded and solid conductors of 0,2 to 6,0 mm² (24-10 AWG).
- Adjustable length stop of 5 to 12 mm (removable if required).
- Easily accessible built-in side cutter for max. 2 mm Ø.

No. 300



Technical Data

Stripping Range	: 0,5 - 6,0 mm²
Length	: 160 mm.
Weight	: 130 g.

- Easy stripping of conductors from 0,5 to 6,0 mm² (20 - 10 AWG).
- The special scanning system adjusts automatically to the wire diameter.
- The insulation is stripped off at a length of 5 mm (but remains on the conductor).
- This allows proper twisting of stranded wire ends.

Cable Stripping Tools - *Heavy Duty Mechanical Hand Tools*

H.D. No. 1000



- For heavy-duty stripping of thick-size cables and cutting of multi-sheathed cables.
- The shoe-type blade tip limits the cutting depth and prevents damage of the conductors.
- Approved according to VDE Norm for works on live wires up to 1000 Volt.

Stripping Range : Limitless
Length : 200 mm.
Weight : 949 g.

4-28H



- Accurate, fast and safe stripping of all common round cables of 4 - 28 mm Ø.
- Removable reducing adapter, made of highly abrasionresistant plastic

Stripping Range : Ø 4,0 - 28 mm
Length : 170 mm.
Weight : 100 g.

S 4-28



- Accurate, fast and safe stripping of all common round cables of 4 - 28 mm Ø.
- Removable reducing adapter, made of highly abrasionresistant plastic

Stripping Range : Ø 4,0 - 28 mm
Length : 170 mm.
Weight : 100 g.

28-35



- Accurate, fast and safe stripping of all common round cables 28 - 35 mm Ø.
- Removable reducing adapter, made of highly abrasionresistant plastic

Stripping Range : Ø 28,0 - 35,0 mm
Length : 150 mm.
Weight : 145 g.

No. 7-R



- A precise adjustment (5-fold) on various cable types and diameters is possible.
- Optical length scale 8 - 24 mm, 5/16 - 1 inch.
- Easily accessible built-in side cutter up to max. 3 mm Ø.

Stripping Range : 0,5 - 16,0 mm²
Length : 160 mm.
Weight : 130 g.

No. 150



- Fully insulated automatic wire stripper for all common stranded and solid conductors of 0,5 - 6,0 mm² (with integrated length scale of 8 - 20 mm).
- The special scanning system adjusts automatically to the wire diameter and allows fast and accurate stripping.
- Easily accessible built-in side cutter (stranded conductors up to 6,0 mm² - 10 AWG, solid conductors up to 4 mm² - 12 AWG).

Stripping Range : Ø 8,0 - 20,0 mm.
Length : 160 mm.
Weight : 120 g.

No. 25



- For stripping cables with a sheath thickness of up to 5 mm.
- The cutting depth can be adjusted step by step from 0 to 5 mm.
- The tool allows safe longitudinal and circular stripping of the outer cable sheath.
- The cutting of the outside insulation is effected by slight lever movements and simultaneous pressing of the tooth system to the insulation.
- Included in the scope of delivery is a plastic case.

Stripping Range : 5 mm
Length : 210 mm.
Weight : 220 g.

Cord-end Sleeve Crimping Tools - *Hand Tools*

YAC-5

Terminal / Connector Type



- Crimping for 0,50– 6,00 mm² insulated and non-insulated cord-end sleeves
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 0,50 - 6,00 mm²
Length : 203 mm
Weight : 400 g.



YAC-6

Terminal / Connector Type



- Crimping for 6,00– 16,00 mm² insulated and non-insulated cord-end sleeves
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 6,00 - 16,00 mm²
Length : 203 mm
Weight : 400 g.



YAC-8 Square Profile

Chirimping Form | Terminal / Connector Type



- Crimping for 8,00– 6,00 mm² insulated and non-insulated cord-end sleeves
- Ratchet crimping mechanism and force adjustment is available
- Crimping square profile
- Handles are plastic insulated

Cross-Section : 0,80 - 6,00 mm²
Length :175 mm
Weight : 385 g.



YAC-11

Terminal / Connector Type



- Crimping for 0,50– 2,50 mm² insulated and non-insulated cord-end sleeves
- Crimping for 0,50– 2,50 mm² insulated terminals
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 0,50 – 2,50 mm²
Length : 215 mm
Weight : 225 g.



NWS-16

Terminal / Connector Type



- Crimping for 0,50– 16,00 mm² insulated and non-insulated cord-end sleeves
- Handles are plastic insulated

Cross-Section : 0,50 - 16,00 mm²
Length : 190 mm
Weight : 250 g.



YYT-21

Terminal / Connector Type



- Crimping for 0,75 – 10,00 mm² insulated and non-insulated cord-end sleeves
- Spring for back-opening is available
- Handles are plastic insulated

Cross-Section : 0,75 - 10,00 mm²
Length : 180 mm
Weight : 300 g.



YYT-22

Terminal / Connector Type



- Crimping for 0,50 – 2,50 mm² insulated and non-insulated cord-end sleeves
- Spring for back-opening is available
- Handles are plastic insulated

Cross-Section : 0,50 - 2,50 mm²
Length : 150 mm
Weight : 175 g.



Insulated Terminals Crimping Tools - *Hand Tools*

YYT-1

Terminal / Connector Type



- Crimping for insulated terminals
- One-sided crimping
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 0,25 - 6,00 mm²
Length : 254 mm
Weight : 560 g.



YYT-7

Terminal / Connector Type



- Crimping for insulated terminals
- Two -sided crimping
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 0,50 - 6,00 mm²
Length : 229 mm
Weight : 560 g.



KST-2000F

Terminal / Connector Type



- Crimping for flag terminals
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 0,50 - 2,50 mm²
Length : 225 mm
Weight : 510 g.



Non-insulated Terminals and Connectors Crimping Tools - *Hand Tools*

HD-F0560

Terminal / Connector Type



- Crimping for non-insulated terminals
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 0,50 - 6,00 mm²
Length : 225 mm
Weight : 510 g.



YYT-11

Terminal / Connector Type



- Crimping for non-insulated terminals
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 0,50 - 6,00 mm²
Length : 227 mm
Weight : 560 g.



YYT-12

Terminal / Connector Type



- Crimping for non-insulated terminals
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 1-00 - 10,00 mm²
Length : 229 mm
Weight : 560 g.



HD-11010

Terminal / Connector Type



- Crimping for AWG 24-24 connectors
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : AWG 24-14
Length : 205 mm
Weight : 380 g.



HD-11011

Terminal / Connector Type



- Crimping for AWG 30-18 connectors
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : AWG 30-18
Length : 205 mm
Weight : 380 g.



Cable Lug Crimping Tools - *Hand Tools*

CT-25

Chirimping Form | Terminal/Connector Type



- Crimping for 6,00– 25,00 mm² cable lugs
- Point crimping
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 6,00 - 25,00 mm²
Length : 354 mm
Weight : 780 g.





YYT-8

Chirimping Form | Terminal/Connector Type



- Crimping for 1,50– 10,00 mm² cable lugs
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 1,50 - 10,00 mm²
Length : 266 mm
Weight : 560 g.





YYT-9

Chirimping Form | Terminal/Connector Type



- Crimping for 10,00– 16,00 mm² cable lugs
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : 10,00 - 16,00mm²
Length : 266 mm
Weight : 560 g.





Connector Crimping Tools - *Hand Tools*

RJ-86

Terminal / Connector Type



- Crimping for 6-8 entry connectors
- Stripping and peeling knife is available
- Handles are plastic insulated

Cross-Section : 6 - 8 Entry Connector
Length : 220 mm
Weight : 320 g.



RG-9600

Terminal / Connector Type



- Crimping BNC, YNC, MINI UHF connectors
- Crimping dies and body are made of steel
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

Cross-Section : BNC, TNC, Mini UHF
Length : 237 mm
Weight : 550 g.



Cable Tie Tensioning Tools - *Hand Tools*

TG-008



- Tie gun for nylon cable ties with the width 2,2 – 4,8mm.
- It cuts the extra cable tie after gripping
- Force adjustment is available

Cable Tie Type : Nylon
Cable Tie Ten. Width : 2,2 - 4,8 mm
Length : 160 mm
Weight : 300 g.

TG-009



- Tie gun for nylon cable ties with the width 3,6 – ,0mm.

Cable Tie Type : Nylon
Cable Tie Ten. Width : 3,6 - 9,0 mm.
Length : 195 mm
Weight : 320 g.

TG-011



- It grips the steel cable ties with the maximum length of 12mm.
- It cuts the extra cable tie after gripping
- Back-opening spring is available

Cable Tie Type : Steel
Cable Tie Ten. Width : Max.. 12 mm.
Length : 200 mm
Weight : 320 g.

Cable Stripping Tools - *Hand Tools*

YY-78-318



- Strips the cables between 0,50- 2,50 mm²
- It has sensitivity setting for hard and soft cables
- Cable cutter is available

Stripping Range : 0,5 - 2,5 mm²
Length : 175 mm
Weight : 200 g.

WSC-1022



- Strips the cables between 0,50- 6,00 mm²
- It strips NYF single-core cables

Stripping Range : 0,5 - 6,0 mm²
Length : 155 mm
Weight : 115 g.

MES-202



- It strips the cables 0,50-6,00mm²
- Handles are plastic insulated

Stripping Range : 0,5 - 6,0 mm²
Length : 170 mm
Weight : 365 g.

LY-700B



- It strips multi core cables between 1,0-4,00mm² and single-core cable Ø 1,0-3,2mm
- Handles are plastic insulated

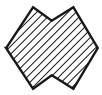
Stripping Range : 1,0 - 4,0 mm²
Length : 170 mm
Weight : 340 g.

Cable Lug Crimping Tools - *Mechanical Crimpers and Cutters*



SP-120

Chirimping Form



Technical Data

Crimping Range	: 10,00 - 120 mm²
Length mm	: 400 mm.
Weight kg	: 4.600 g.

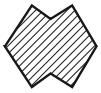
Features

- 10/120 - 16/95 - 25/70 - 35/50 two way crimping dies. Makes a star-shaped crimping.
- Handles are of steel pipes.
- Grips are plastic insulated
- Supplied with plastic carrying case.
- One set of die includes



SP-300

Chirimping Form



Technical Data

Crimping Range	: 10,00 - 300 mm²
Length mm	: 600 mm.
Weight kg	: 7,400 g..

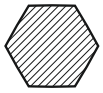
Features

- 10/300 - 16/240 - 25/185 - 35/150 - 50/120 - 70/95 two way crimping dies
- Custom design aluminum arms can be extended and are adjustable.
- Grips are plastic insulated.
- Plastic carrying case.



SP-0650

Chirimping Form



Technical Data

Crimping Range	: 6,00 - 50,00 mm²
Length mm	: 390 mm.
Weight kg	: 1,100 g.

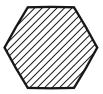
Features

- Makes hexagonal crimping and with revolving Dies
- Grips are plastic insulated
- SP-0650S1,SP-0650DIN,SP-0650ST



SP-10120

Chirimping Form



Technical Data

Crimping Range	: 10,00 -120,00 mm²
Length mm	: 650 mm.
Weight kg	: 2,900 g.

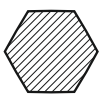
Features

- Makes hexagonal crimping and with revolving Dies.
- Grips are plastic insulated.
- SP-10120S1,SP-10120DIN,SP-10120ST



SP-25150

Chirimping Form



Technical Data

Crimping Range	: 25,00 - 150 mm²
Length mm	: 650 mm.
Weight kg	: 2,900 g.

Features

- Makes hexagonal crimping and with revolving Dies.
- Grips are plastic insulated.
- SP-25150S1,SP-25150DIN,SP-25150ST

XLPE Cable Stripping Tools - *Mechanical Crimpers and Cutters*

OGS-40



Technical Data

Stripping Range	: Ø 16,0 - 40,0
Length	: 160 mm
Weight	: 1,130 kg

- Strips the carbon layer of XLPE cables

OGS-50

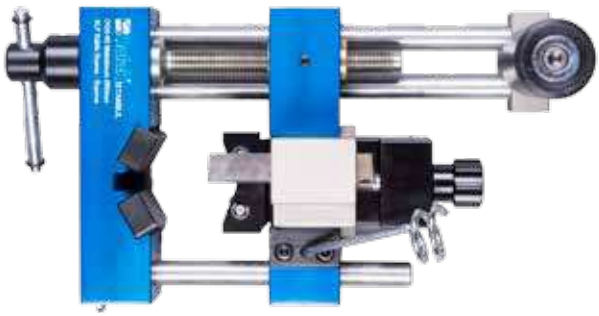


Technical Data

Stripping Range	: Ø 16,0-50,0
Length	: 220 mm
Weight	: 1.150 kg

- Strips the carbon layer of XLPE cables

OGS-60



Technical Data

Stripping Range	: Ø 20,0 - 60,0
Length	: 220 mm
Weight	: 1,750 kg

- Strips the carbon layer on the polyethylene of XLPE cables
- Strips the polyethylene layer in spiral way

Copper Cable Cutters - *Mechanical Crimpers and Cutters*



CC-60

Technical Data

Max. Cross Section	: 50 mm²
Max. Diameter	: max. Ø12 mm
Length mm	: 235 mm.
Weight kg	: 380 g.

Features

- Cuts NYA-NYAF-NYY and NYM copper and aluminum cables
- It is designed mostly for NYAF cables.
- Grips are plastic insulated.



KM-95

Technical Data

Max. Cross Section	: 95 mm² veya 4 x 16 mm²
Max. Diameter	: max. Ø22 mm
Length mm	: 410 mm.
Weight kg	: 750 g.

Features

- Cuts NYA-NYY and NYM copper and aluminum cables
- Handles are of steel pipes.
- Grips are plastic insulated.



KM-240

Technical Data

Max. Cross Section	: 240 mm² veya 3 x35 + 16 mm²
Max. Diameter	: max. Ø30 mm
Length mm	: 650 mm.
Weight kg	: 2.000 g.

Features

- Cuts NYA-NYY and NYM copper and aluminum cables
- Handles are of steel pipes.
- Grips are plastic insulated.



SCC-250

Technical Data

Max. Cross Section	: 325 mm² veya 3x70 + 35 mm²
Max. Diameter	: max. Ø35 mm
Length mm	: 650 mm.
Weight kg	: 2.000 g.

Features

- Cuts NYA-NYY and NYM copper and aluminum cables
- Aluminum forged sleeves.
- Grips are plastic insulated.

Copper Cable Cutters - *Mechanical Crimpers and Cutters*



SCC-500

Technical Data

Max. Cross Section	: 500 mm² or 3x120 + 70 mm²
Max. Diameter	: max. Ø44 mm
Length mm	: 800 mm.
Weight kg	: 2.930 g.

Features

- Cuts NYA-NYY and NYM copper and aluminum cables
- Aluminum forged sleeves.
- Grips are plastic insulated.



SCR-320L

Technical Data

Solid cable	: max. 25/15 mm AL/CU diameter
Stranded cable	: max. 32 mm diameter or 600 MCM
Length mm	: 260 mm
Weight kg	: 600 g.

Features

Cable cutter with ratchet mechanism. One hand operation. Usable to cut underground cables and cables with plastic or rubber insulation. Please do not use for steel wire



SCR-340

Technical Data

Max. Cross Section	: CU max. 300 mm² AL max. 380 mm²
Max. Diameter Ø	: Cu Al cable until max. Ø 34 mm
Length	: 295 mm
Weight	: 820 g.

Features

It has ratchet mechanism. One hand operation. It is apporopriate for cutting plastic and rubber insulated cables. Please do not use for steel wire.



SCR-540L

Technical Data

Max. Cross Section	: max. 480 mm²
Max. Diameter Ø	: Cu Al cable until max. Ø 54 mm
Length	: 310 mm.
Weight	: 840 g.

Features

It has ratchet mechanism. One hand operation. It is appropriate for cutting plastic and rubber insulated cables. Please do not use for steel wire.

Copper Cable Cutters - *Mechanical Crimpers and Cutters*



SCR-600

Technical Data

Max. Cross Section	: max. 480 mm²
Max. Diameter Ø	: Cu Al cable until max. Ø 60 mm
Length	: 720 mm
Weight	: 4800 g

Features

- Cuts NYA-NYM-NYY Copper and Aluminum conductors
- Cable Cutter with ratchet mechanism.
- Usable to cut underground cables and cables with plastic or rubber insulation.
- Two hand operation.
- Please do not use for steel wire



SCR-620

Technical Data

Max. Cross Section	: CU max. 480 mm² AL max. 480 mm²
Max. Diameter Ø	: Cu Al cable until max. Ø 62 mm
Length mm	: 297 mm..
Weight kg	: 820 g

Features

It has ratchet mechanism. One hand operation. It is apporopriate for cutting plastic and rubber insulated cables. Please do not use for steel wire.



SCR-1000T

Technical Data

Max. Cross Section	: max. 2x 400 mm² NAVY
Max. Diameter Ø	: Cu Al cable until max. Ø 100 mm
Length	: From 685mm to 875 mm
Weight	: 6.200 g

Features

- Cable cutter with ratchet mechanism.
- One hand operation.
- Usable to cut underground cables and cables with plastic or rubber insulation.
- Please do not use for steel wire.



SCR-1000V

Technical Data

Max. Diameter Ø	: Cu Al cable until max. Ø 52mm
Solid cable	: max. 25/15 mm AL/CU diameter
Stranded cable	: max. 52 mm diameter or 600 MCM
Length	: 280 mm
Weight	: 850 g

Features

- Cable cutter with ratchet mechanism.
- One hand operation.
- Usable to cut underground cables and cables with plastic or rubber insulation.
- Please do not use for steel wire.

ACSR Cable Cutters - *Mechanical Crimpers and Cutters*



SC-16E

Technical Data

Maximum Diameter Ø	**:** Ø 20 mm.
Length mm	**:** 590 mm.
Weight kg	**:** 2.000 g.

Features

- Cuts steel reinforced aluminum conductors up to a maximum diameter of 20mm.
- Blades are hardened steel.
- Aluminum forged sleeves.

* Grips are plastic insulated.



SCR-500ACSR

Technical Data

Maximum Diameter Ø **:** ACSR up to 477 MCM

Copper and Aluminum solid cables	: up to 1” 25,4 mm
Copper and Aluminum stranded cables	: up to 1 ¼” 32 mm
Low carbon steel	: up to 3/8” 9,5 mm

Length mm	**:** 350 mm.
Weight kg	**:** 1.200 g.

Features

-Cable cutter with ratchet mechanism.
-One hand operation.

Hydraulic Crimping Tools and Heads - *Hydraulic Tools*



S-6

Technical Data

Crimping Force kN : 60 kN
Crimping Range mm² : 10 - 240 mm²
Stroke mm. : 13 mm.
Length mm. : 365 mm.
Weight kg. : 2,950 kg.

S-6 Hydraulic Tools (Body)

Die Types

SFK60ST Series	**P87**	SFK60D Series	**P89**
SFK60SE Series	**P88**	SFK60N Series	**P89**



S-60

Technical Data

Crimping Force kN : 60 kN
Crimping Range mm² : 10 - 300 mm²
Stroke mm. : 13 mm.
Length mm. : 365 mm.
Weight kg. : 2,950 kg.

S-60 Hydraulic Tools (Body)

Die Types

SFK60ST Series	**P87**	SFK60D Series	**P89**
SFK60SE Series	**P88**	SFK60N Series	**P89**



SC-130

Technical Data

Crimping Force kN : 130 kN
Crimping Range mm² : 16 - 300 mm²
Stroke mm. : 26 mm.
Length mm. : 545 mm.
Weight kg. : 5,360 kg.

SC-130 Hydraulic Tools (Body)

Die Types

SFK130ST Series	**P90**	SFK130N Series	**P91**
SFK130SE Series	**P90**	SFK130BS Series	**P93**
SFK130D Series	**P91**	SFK130AL Series	**P93**



SC-130L

Technical Data

Crimping Force kN : 130 kN
Crimping Range mm² : 16-400 mm²
Stroke mm. : 38 mm.
Length mm. : 545 mm.
Weight kg. : 5,360 kg.

SC-130L Hydraulic Tools (Body)

Die Types

SFK130ST Series	**P90**	SFK130H Series	**P92**
SFK130SE Series	**P90**	SFK130C Series	**P92**
SFK130D Series	**P91**	SFK130BS Series	**P93**
SFK130N Series	**P91**	SFK130AL Series	**P93**

Hydraulic Crimping Tools and Heads - *Hydraulic Tools*



SXC-130

Technical Data

Crimping Force kN : 130 kN
Crimping Range mm² : 16-300 mm²
Stroke mm. : 26 mm.
Length mm. : 195 mm.
Weight kg. : 3,900 kg.

Chirimping Form



SXC-130 Hydraulic Cable Lug Crimping Head

Die Types

SFK130ST Series	**P90**	SFK130H Series	**P92**
SFK130SE Series	**P90**	SFK130C Series	**P92**
SFK130D Series	**P91**	SFK130BS Series	**P93**
SFK130N Series	**P91**	SFK130AL Series	**P93**



SXC-130L

Technical Data

Crimping Force kN : 130 kN
Crimping Range mm² : 16-400 mm²
Stroke mm. : 38 mm.
Length mm. : 270 mm.
Weight kg. : 4,700 kg.

Chirimping Form



SXC-130L 16...400 mm² Hydraulic Cable Lug Crimping Head

Die Types

SFK130ST Series	**P90**	SFK130H Series	**P92**
SFK130SE Series	**P90**	SFK130C Series	**P92**
SFK130D Series	**P91**	SFK130BS Series	**P93**
SFK130N Series	**P91**	SFK130AL Series	**P93**



SHK-25

Technical Data

Crimping Force kN : 250 kN
Crimping Range mm² : 16-600 mm²
Stroke mm. : 23 mm.
Length mm. : 260 mm.
Weight kg. : 7,200 kg.

Chirimping Form



SHK-25 Hydraulic Cable Lug Crimping Head

Die Types

SFK130ST Series	**P90**	SFK130H Series	**P92**
SFK130SE Series	**P90**	SFK130C Series	**P92**
SFK130D Series	**P91**	SFK130BS Series	**P93**
SFK130N Series	**P91**	SFK130AL Series	**P93**

Hydraulic Crimping Tools and Heads - *Hydraulic Tools*



SHK-45

Technical Data

Crimping Force kN	:	450 kN
Crimping Range mm²	:	16-600 mm²
Stroke mm.	:	23 mm.
Length mm.	:	260 mm.
Weight kg.	:	7,200 kg.

Chirimping Form



SHK-45 Hydraulic Cable Lug Crimping Head

Die Types

SFK130ST Series	**P90**	SFK130H Series	**P92**
SFK130SE Series	**P90**	SFK130C Series	**P92**
SFK130D Series	**P91**	SFK130BS Series	**P93**
SFK130N Series	**P91**	SFK130AL Series	**P93**



SHK-110

Technical Data

Crimping Force kN	:	1100 kN
Stroke mm.	:	28,5 mm.
Length mm.	:	464 mm.
Weight kg.	:	62,00 kg.

SHK-110

- Supply pressure : 700 Bar
- It used with bi-directional hydraulic pump
- It can be used max. 1272 or Pheasent conductors
- Please do not crimp without the dies installed

Die Types

SFK130ST Series	**P90**	SFK130H Series	**P92**
SFK130SE Series	**P90**	SFK130C Series	**P92**
SFK130D Series	**P91**	SFK130BS Series	**P93**
SFK130N Series	**P91**	SFK130AL Series	**P93**

Electrical Hydraulic Pumps - *Hydraulic Tools*



Product Code	Pressure Bar	Oil Capacity lt.	Safety Valve	Dimension cm.	Weight kg.
SHP-200S One Way Pump	70-700 Bar	3,0 lt.	Available	45x18x37 cm.	20,00 kg.
SHP-200D Double Way Pump	70-700 Bar	4,0 lt.	Available	45x18x37 cm.	25,00 kg

Features :
- Operating Pressure : 70 bar - 700 bar
- Electrical Motor : 220V-0,37 Kw
- Connectors : 3/8 caplin
- Pumping Speech : underpressure 2,65 lt./min., high-pressure 0,24 lt /min.
- Operating Temperature : -30°C / 50°C

Hydraulic Cutters and Cutting Heads - *Hydraulic Tools*



SCG-25
Technical Data

Cutting Force kN	:	55 kN
Max. Cutting Diameter Ø	:	25 mm.
Length mm.	:	380 mm.
Weight kg.	:	4,050 kg.

SCG-25 Hydraulic Cable Cutter
It cuts Steel Cored Aluminum Conductors 25mm Max. 477(HAWK).
Carrying bag (Big Size)



SCG-45
Technical Data

Cutting Force kN	:	90 kN.
Max. Cutting Diameter Ø	:	45 mm.
Length mm.	:	590 mm.
Weight kg.	:	6,000 kg.

SCG-45 Hydraulic Cable Cutter
It cuts Steel Cored Aluminum Conductors with the diameter of 45 mm
Carrying bag (Big Size)



SCG-65
Technical Data

Cutting Force kN	:	90 kN.
Max. Cutting Diameter Ø	:	65 mm.
Length mm.	:	620 mm.
Weight kg.	:	6,500 kg.

SCG-65 Hydraulic Cable Cutter
It cuts max. 3 X 240 +120 MM2 NYY type cables
Carrying Bag (Big Size)



SCG-85
Technical Data

Cutting Force kN	:	90 kN.
Max. Cutting Diameter Ø	:	85 mm.
Length mm.	:	680 mm.
Weight kg.	:	6,750 kg.

SCG-85 Hydraulic Cable Cutter
It cuts 85 mm Max. 3X240+120Mm² NYY type cables
Carrying bag (Big Size)

Hydraulic Cutters and Cutting Heads - *Hydraulic Tools*



SXCG-45

Technical Data

Cutting Force kN	:	80 kN
Max. Cutting Diameter Ø	:	45 mm.
Length mm.	:	330 mm.
Weight kg.	:	4,600 kg.

SXCG-45 Hydraulic Cable Cutting Head
Carrying bag



SXCG-65

Technical Data

Cutting Force kN	:	80 kN
Max. Cutting Diameter Ø	:	65 mm.
Length mm.	:	410 mm.
Weight kg.	:	6,900 kg.

SXCG-65 Hydraulic Cable Cutting Head
Carrying bag



SXCG-85

Technical Data

Cutting Force kN	:	80 kN
Max. Cutting Diameter Ø	:	85 mm.
Length mm.	:	470 mm.
Weight kg.	:	7,800 kg.

SXCG-85 Hydraulic Cable Cutting Head
Carrying bag



SXCG-105

Technical Data

Cutting Force kN	:	80 kN
Max. Cutting Diameter Ø	:	105 mm.
Length mm.	:	600 mm.
Weight kg.	:	13,300 kg.

SXCG-105 Hydraulic Cable Cutting Head
Carrying bag

Hydraulic Pumps and Accessories - *Hydraulic Tools*

HD-2107K



HD-2107K Two Staged Hydraulic Hand Pump
700 Bar, 0,7 lt. Oil Capacity, 1,8 mt. Hydraulic Hose
Iron Sheet Case.

HD-2109K



HD-2109K Two Staged Hydraulic Hand Pump
700 Bar, 1,5 lt. Oil Capacity, 1,8 mt. Hydraulic Hose
Iron Sheet Case.

HD-2185



HD-2185 Two Staged Hydraulic Foot Pump
700 Bar, 1,5 lt. Oil Capacity, 1,8 mt. Hydraulic Hose



2,0 mt. Hydraulic Hose

3,0 mt. Hydraulic Hose

6,0 mt. Hydraulic Hose

10,0 mt. Hydraulic Hose



Hydraulic Female Check-valve

Hydraulic Male Check-valve

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-60MINI ELEC



Technical Data

Crimping Force	60 kN
Crimping Range	10 - 240 mm²
Crimping Cycle	5s to 6s (Depending on cross section)
Battery Voltage	18V
Battery Capacity	19. 3.0/5.0 Ah Li-Ion
Weight incl. Battery	3.0 kg
Ambient Temperature	-10°C up to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing crimping head, 180° rotatable with inter changeables dies and wide crimping
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code	
10 -240 mm² battery operated crimping tool	SFK-60MINI ELEC	
Accessories		
Battery options		**P86**
Charger options		**P86**
SFK65ST Series of dies		**P87**
SFK60SE Series of dies		**P88**
SFK60D Series of dies		**P89**

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-60MINI S ELEC



Technical Data

Crimping Force	60 kN
Crimping Range	10-240 mm²
Crimping Cycle	5s to 6s (Depending on cross section)
Battery Voltage	18V
Battery Capacity	20. 3.0/5.0 Ah Li-Ion
Weight incl. Battery	3.0 kg
Ambient Temperature	-10°C to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing crimping head, 180° rotatable with inter changeables dies and wide crimping
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code
10-240 mm² battery operated crimping tool	SFK-60MINI S ELEC
Accessories	
Battery options	**P86**
Charger options	**P86**
SFK60ST Series of dies	**P87**
SFK60SE Series of dies	**P88**
SFK60D Series of dies	**P89**
SFK60N Series of dies	**P89**

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-60 ELEC



Technical Data

Crimping Force	60 kN
Stroke / Opening Width	13 mm
Crimping Range	10 - 240 mm²
Crimping Cycle	5s to 6s (Depending on cross section)
Number of Crimps	Approximately 300
Battery Voltage	18V
Battery Capacity	22. 3.0/5.0 Ah Li-Ion
Weight incl. Battery	4.2 kg
Ambient Temperature	-10°C up to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing crimping head, 180° rotatable with inter changeables dies and wide crimping
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code
10-240 mm² Battery operated crimping tool	SFK-60 ELEC
Accessories	
Battery options	**P86**
Charger options	**P86**
SFK65ST Series of dies	**P87**
SFK60SE Series of dies	**P88**
SFK60D Series of dies	**P89**

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-60S ELEC



Technical Data

Crimping Force	60 kN
Stroke / Opening Width	13 mm
Crimping Range	10 - 300 mm²
Crimping Cycle	5s to 6s (Depending on cross section)
Number of Crimps	Approximately 300
Battery Voltage	18V
Battery Capacity	23. 3.0/5.0 Ah Li-Ion
Weight incl. Battery	4.2 kg
Ambient Temperature	-10°C up to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing crimping head, 180° rotatable with inter changeables dies and wide crimping
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code
10 - 300 mm² battery operated crimping tool	SFK-60S ELEC
Accessories	
Battery options	**P86**
Charger options	**P86**
SFK60ST Series of dies	**P87**
SFK60SE Series of dies	**P88**
SFK60D Series of dies	**P89**
SFK60N Series of dies	**P89**

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-120 ELEC



Technical Data

Crimping Force	120 kN
Stroke / Opening Width	26 mm
Crimping Range	16 - 300 mm²
Crimping Cycle	8s to 9 s (Depending on cross section)
Number of Crimps	Approximately. 115 at 150 mm² Cu DIN
Battery Voltage	18V
Battery Capacity	24. 3.0/5.0 Ah Li-Ion
Weight incl. Battery	6.6 kg
Ambient Temperature	-12°C to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing C crimping head, 360° rotatable with inter changeables dies and wide crimping
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- 2 stages hydraulic pump for fast feed and power stroke
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code
16 - 300 mm² Battery operated crimping tool	SFK-120 ELEC

Accessories			
Battery options	**P86**		
Charger options	**P86**		
SFK130ST Series of dies	**P90**	SFK130H Series of dies	**P92**
SFK130SE Series of dies	**P90**	SFK130C Series of dies	**P92**
SFK130D Series of dies	**P91**	SFK130BS Series of dies	**P93**
SFK130N Series of dies	**P91**	SFK130AL Series of dies	**P93**

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-120L ELEC



Technical Data

Crimping Force	120 kN
Stroke / Opening Width	38 mm
Crimping Range	16 – 400 mm²
Crimping Cycle	8 s to 9 s (Depending on cross section)
Number of Crimps	Approximately 115 at 150 mm² Cu DIN
Battery Voltage	18V
Battery Capacity	25. 3.0/5.0 Ah Li-Ion
Weight incl. Battery	6.8 kg
Ambient Temperature	-12°C to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing C crimping head, 360° rotatable with inter changeables dies and wide crimping
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- 2 stages hydraulic pump for fast feed and power stroke
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code
16 - 400 mm² Battery operated crimping tool	SFK-120L ELEC

Accessories			
Battery options	**P86**		
Charger options	**P86**		
SFK130ST Series of dies	**P90**	SFK130H Series of dies	**P92**
SFK130SE Series of dies	**P90**	SFK130C Series of dies	**P92**
SFK130D Series of dies	**P91**	SFK130BS Series of dies	**P93**
SFK130N Series of dies	**P91**	SFK130AL Series of dies	**P93**

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-45 ELEC



Technical Data

Cutting Force	60 kN
Stroke / Opening Width	45 mm
Cutting Cycle	8s - 18s (Depending on cutting cross section)
Number of Cut	Approximately 150 for A1/S1 570/40 cables
Battery Voltage	18V
Battery Capacity	26. 3.0/5.0 Ah Li-Ion
Weight incl. Battery	5.7 kg
Ambient Temperature	-12°C to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing 360° cutting head,
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- 2 stages hydraulic pump for fast feed and power stroke
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code
45 mm ø Battery operated cutting tool	SFK-45 ELEC
Accessories	
Battery options	**P86**
Charger options	**P86**

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-45 STEEL ELEC



Technical Data

Cutting Force	60 kN
Stroke / Opening Width	45 mm
Cutting Cycle	8s - 18s (Depending on cutting cross ection)
Number of Cut	Approximately 150 for Al/St 570/40 cables
Battery Voltage	18V
Battery Capacity	27. 3.0/5.0 Ah Li-Ion
Weight incl. Battery	5.7 kg
Ambient Temperature	-12°C to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing 360° cutting head,
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- 2 stages hydraulic pump for fast feed and power stroke
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code
45 mm ø Battery operated cutting tool	SFK-45 STEEL ELEC
Accessories	
Battery options	**P86**
Charger options	**P86**

Battery Operated Hydraulic Crimping and Cutting Tools

SFK-85 ELEC



Technical Data

Cutting Force	60 kN
Stroke / Opening Width	max. 85 mm dia.
Cutting Cycle (Depending on cutting cross section)	Depending on the thickness of the material
Number of Cut	Depending on the thickness of the material
Battery Voltage	18V
Battery Capacity	3.0 Ah, Li-Ion
Weight incl. Battery	6.6 kg
Ambient Temperature	-12°C to +40°C
Charging Time	30 min. / 22 min. with quick charger

Features

- Ergonomic design with On/ Off button
- Robust plastic housing with rubber grip handle
- Quick opening and closing 360° cutting head,
- Maximum operating speed with high performance motor
- Balanced center of gravity for easy handling and effortless operations
- 2 stages hydraulic pump for fast feed and power stroke
- Quick motor stop function for high user safety
- 18V Li-Ion battery, high performance with short charging time
- Manual retraction when crimp is complete
- Large and ergonomic triggers
- Simple display panel with light diode for battery charge level, crimping failure and maintenance control
- Pressure safety system to prevent over pressure failures
- Energy saving function by stopping tool after 10 min inactivity
- Workplace illumination by LED
- Handling ring for safety cable or transportation
- Plastic Case

Product	Product Code
85 mm ø Battery operated cutting tool	SFK-85 ELEC
Accessories	
Battery options	**P86**
Charger options	**P86**

Battery Operated Tools Accessories

Accessories			Product Code
Voltage **Capacity** **Charger** **Charging Time** **Weight**	: 18V : 3.0Ah : DC18SD : 22 min : 610 g net		BL1830
Voltage **Capacity** **Charger** **Charging Time** **Weight**	: 18V : 5.0Ah : DC18SD : 45 min with DC18RC : 615 g net		BL1850
Adaptable Batteries **Charging Time for 3,0Ah batteries** **Charging Time for 5,0Ah batteries**	: All 14.4V - 18V LXT batteries : 30-50 min : 90-110 min		DC18SD (Standard Charger)
Adaptable Batteries **Charging Time for 3,0Ah batteries** **Charging Time for 5,0Ah batteries**	: All 14.4V - 18V LXT batteries : 22 min : 45 min		DC18RC (Quick Charger)
Mains adapter 18 V for 230 V mains voltage ■ Temperature Protection ■ Current Limiter ■ Overload Protection 250 V ■ Cable Lengths : 5 m			NG2230

ŞAFAK DIE TYPES - *STANDARD CABLE LUGS*

SFK60ST Series



Chirimping Form - 60 kN



The below mentioned die types are proper for crimping STANDARD TYPE CABLE LUGS.



Chirimping Form : Hexagonal
Stroke : 5 mm
Application Range : 10……300 mm²
Crimping Force : **60 kN**

Product Code	Description	Hand Tools Used
SFK60ST010	60 kN DIE SET (ST TYPE) 10 mm²	
SFK60ST016	60 kN DIE SET (ST TYPE) 16 mm²	
SFK60ST025	60 kN DIE SET (ST TYPE) 25 mm²	
SFK60ST035	60 kN DIE SET (ST TYPE) 35 mm²	
SFK60ST050	60 kN DIE SET (ST TYPE) 50 mm²	
SFK60ST070	60 kN DIE SET (ST TYPE) 70 mm²	**S-60** **SFK-60 Mini S** **SFK-60S**
SFK60ST095	60 kN DIE SET (ST TYPE) 95 mm²	
SFK60ST120	60 kN DIE SET (ST TYPE) 120 mm²	
SFK60ST150	60 kN DIE SET (ST TYPE) 150 mm²	
SFK60ST185	60 kN DIE SET (ST TYPE) 185 mm²	
SFK60ST240	60 kN DIE SET (ST TYPE) 240 mm²	
SFK60ST300	60 kN DIE SET (ST TYPE) 300 mm²	

SFK65ST Series



Chirimping Form - 60 kN



The below mentioned die types are proper for crimping STANDARD TYPE CABLE LUGS.



Chirimping Form : Hexagonal
Stroke : 5 mm
Application Range : 10……240 mm²
Crimping Force : **60 kN**

Product Code	Description	Hand Tools Used
SFK65ST10185	60 kN DIE SET (ST TYPE) 10-185 mm²	
SFK65ST16150	60 kN DIE SET (ST TYPE) 16-150 mm²	
SFK65ST25120	60 kN DIE SET (ST TYPE) 25-120 mm²	**S-6** **SFK-60 MINI** **SFK-60**
SFK65ST3595	60 kN DIE SET (ST TYPE) 35-95 mm²	
SFK65ST5070	60 kN DIE SET (ST TYPE) 50-70 mm²	
SFK65ST240	60 kN DIE SET (ST TYPE) 240 mm²	

ŞAFAK DIE TYPES - *SE TYPE CABLE LUGS*

SFK60SE Series

Chirimping Form - 60 kN





The below mentioned die types are proper for crimping SE TYPE CABLE LUGS.



Chirimping Form : Hexagonal
Stroke : 5 mm
Application Range : 10.....300 mm²
Crimping Force : **60 kN**

Product Code	Description	Hand Tools Used
SFK60SE006	60 kN DIE SET (SE TYPE) 6 mm²	
SFK60SE010	60 kN DIE SET (SE TYPE) 10 mm²	
SFK60SE016	60 kN DIE SET (SE TYPE) 16 mm²	
SFK60SE025	60 kN DIE SET (SE TYPE) 25 mm²	
SFK60SE035	60 kN DIE SET (SE TYPE) 35 mm²	
SFK60SE050	60 kN DIE SET (SE TYPE) 50 mm²	**S-60**
SFK60SE070	60 kN DIE SET (SE TYPE) 70 mm²	**SFK-60 MINI S**
SFK60SE095	60 kN DIE SET (SE TYPE) 95 mm²	**SFK-60S**
SFK60SE120	60 kN DIE SET (SE TYPE) 120 mm²	
SFK60SE150	60 kN DIE SET (SE TYPE) 150 mm²	
SFK60SE185	60 kN DIE SET (SE TYPE) 185 mm²	
SFK60SE240	60 kN DIE SET (SE TYPE) 240 mm²	
SFK60SE300	60 kN DIE SET (SE TYPE) 300 mm²	

ŞAFAK DIE TYPES - *DIN NORM*

SFK60D Series

Chirimping Form - 60 kN





The below mentioned die types are proper for crimping DIN 46235 CABLE LUGS and DIN46237 BUTT-CONNECTORS.



Chirimping Form : Hexagonal
Stroke : 5 mm
Application Range : 10.....300 mm²
Crimping Force : **60 kN**

Product Code	Description	Hand Tools Used
SFK60D010	60 kN DIE SET (DIN NORM) 10 mm²	
SFK60D016	60 kN DIE SET (DIN NORM) 16 mm²	
SFK60D025	60 kN DIE SET (DIN NORM) 25 mm²	
SFK60D035	60 kN DIE SET (DIN NORM) 35 mm²	
SFK60D050	60 kN DIE SET (DIN NORM) 50 mm²	
SFK60D070	60 kN DIE SET (DIN NORM) 70 mm²	**S-60**
SFK60D095	60 kN DIE SET (DIN NORM) 95 mm²	**SFK-60 MINI S**
SFK60D120	60 kN DIE SET (DIN NORM) 120 mm²	**SFK-60S**
SFK60D150	60 kN DIE SET (DIN NORM) 150 mm²	
SFK60D185	60 kN DIE SET (DIN NORM) 185 mm²	
SFK60D240	60 kN DIE SET (DIN NORM) 240 mm²	
SFK60D300	60 kN DIE SET (DIN NORM) 300 mm²	

ŞAFAK DIE TYPES - *DIN NORM*

SFK60D Series

Chirimping Form - 60 kN





The below mentioned die types are proper for crimping DIN 46235 CABLE LUGS and DIN46237 BUTT-CONNECTORS.

Chirimping Form : Hexagonal
Stroke : 5 mm
Application Range : 10……240 mm²
Crimping Force : **60 kN**



Product Code	Description	Hand Tools Used
SFK60D10185	60 kN DIE SET (DIN NORM) 10-185 mm²	**S-6** **SFK-60 MINI** **SFK-60**
SFK60D16150	60 kN DIE SET (DIN NORM) 16-150 mm²	
SFK60D25120	60 kN DIE SET (DIN NORM) 25-120 mm²	
SFK60D3595	60 kN DIE SET (DIN NORM) 35-95 mm²	
SFK60D5070	60 kN DIE SET (DIN NORM) 50-70 mm²	
SFK60D240	60 kN DIE SET (DIN NORM) 240 mm²	

ŞAFAK DIE TYPES - *WELDED*

SFK60N Series

Chirimping Form 60 kN





The below mentioned die types are proper for crimping DIN 46234 TYPE WELDED CABLE LUGS.

Chirimping Form : Point
Stroke : 5 mm
Application Range : 10……185 mm²
Crimping Force : **60 kN**



Product Code	Description	Hand Tools Used
SFK60N10	60 kN DIE SET (POINT CRIMPING)10 mm²	**S-60** **SFK-60 MINI S** **SFK-60S**
SFK60N16	60 kN DIE SET (POINT CRIMPING)16 mm²	
SFK60N25	60 kN DIE SET (POINT CRIMPING)25 mm²	
SFK60N35	60 kN DIE SET (POINT CRIMPING)35 mm²	
SFK60N50	60 kN DIE SET (POINT CRIMPING)50 mm²	
SFK60N70	60 kN DIE SET (POINT CRIMPING)70 mm²	
SFK60N95	60 kN DIE SET (POINT CRIMPING)95 mm²	
SFK60N120	60 kN DIE SET (POINT CRIMPING)120 mm²	
SFK60N150	60 kN DIE SET (POINT CRIMPING)150 mm²	
SFK60N185	60 kN DIE SET (POINT CRIMPING)185 mm²	

ŞAFAK DIE TYPES - *ST CABLE LUGS*

SFK130ST Series

Chirimping Form - 130 kN







The below mentioned die types are proper for crimping ST TYPE CABLE LUGS.

Chirimping Form : Hexagonal
Stroke : 10 mm
Application Range : 16……400 mm²
Crimping Force : **130 kN**

Product Code	Description	Hand Tools Used
SFK130ST016	130 kN DIE SET (ST TYPE) 16 mm²	
SFK130ST025	130 kN DIE SET (ST TYPE) 25 mm²	
SFK130ST035	130 kN DIE SET (ST TYPE) 35 mm²	
SFK130ST050	130 kN DIE SET (ST TYPE) 50 mm²	**SC-130** **SC-130L** **SXC-130** **SXC-130L** **SHK-25** **SHK-45** **SHK-120** **SFK-120** **SFK-120L**
SFK130ST070	130 kN DIE SET (ST TYPE) 70 mm²	
SFK130ST095	130 kN DIE SET (ST TYPE) 95 mm²	
SFK130ST120	130 kN DIE SET (ST TYPE) 120 mm²	
SFK130ST150	130 kN DIE SET (ST TYPE) 150 mm²	
SFK130ST185	130 kN DIE SET (ST TYPE) 185 mm²	
SFK130ST240	130 kN DIE SET (ST TYPE) 240 mm²	
SFK130ST300	130 kN DIE SET (ST TYPE) 300 mm²	
SFK130ST400	130 kN DIE SET (ST TYPE) 400 mm²	

ŞAFAK DIE TYPES - *SE TYPE*

SFK130SE Series

Chirimping Form - 130 kN







The below mentioned die types are proper for crimping SE TYPE CABLE LUGS.

Chirimping Form : Hexagonal
Stroke : 10 mm
Application Range : 16……300 mm²
Crimping Force : **130 kN**

Product Code	Description	Hand Tools Used
SFK130SE016	130 kN DIE SET (SE TYPE) 16 mm²	
SFK130SE025	130 kN DIE SET (SE TYPE) 25 mm²	
SFK130SE035	130 kN DIE SET (SE TYPE) 35 mm²	**SC-130** **SC-130L** **SXC-130** **SXC-130L** **SHK-25** **SHK-45** **SHK-120** **SFK-120** **SFK-120L**
SFK130SE050	130 kN DIE SET (SE TYPE) 50 mm²	
SFK130SE070	130 kN DIE SET (SE TYPE) 70 mm²	
SFK130SE095	130 kN DIE SET (SE TYPE) 95 mm²	
SFK130SE120	130 kN DIE SET (SE TYPE) 120 mm²	
SFK130SE150	130 kN DIE SET (SE TYPE) 150 mm²	
SFK130SE185	130 kN DIE SET (SE TYPE) 185 mm²	
SFK130SE240	130 kN DIE SET (SE TYPE) 240 mm²	
SFK130SE300	130 kN DIE SET (SE TYPE) 300 mm²	

ŞAFAK DIE TYPES - *DIN NORM*

SFK130D Series

Chirimping Form - 130 kN





The below mentioned die types are proper for crimping DIN 46235 NORM CABLE LUGS and DIN 46327 BUTT-CONNECTORS.

Chirimping Form : Hexagonal
Stroke : 10 mm
Application Range : 16……400 mm²
Crimping Force : **130 kN**



Product Code	Description	Hand Tools Used
SFK130D016	130 kN DIE SET (DIN NORM) 16 mm²	
SFK130D025	130 kN DIE SET (DIN NORM) 25 mm²	
SFK130D035	130 kN DIE SET (DIN NORM) 35 mm²	
SFK130D050	130 kN DIE SET (DIN NORM) 50 mm²	**SC-130** **SC-130L** **SXC-130** **SXC-130L** **SHK-25** **SHK-45** **SHK-120** **SFK-120** **SFK-120L**
SFK130D070	130 kN DIE SET (DIN NORM) 70 mm²	
SFK130D095	130 kN DIE SET (DIN NORM) 95 mm²	
SFK130D120	130 kN DIE SET (DIN NORM) 120 mm²	
SFK130D150	130 kN DIE SET (DIN NORM) 150 mm²	
SFK130D185	130 kN DIE SET (DIN NORM) 185 mm²	
SFK130D240	130 kN DIE SET (DIN NORM) 240 mm²	
SFK130D300	130 kN DIE SET (DIN NORM) 300 mm²	
SFK130D400	130 kN DIE SET (DIN NORM) 400 mm²	

ŞAFAK DIE TYPES - *WELDED*

SFK130N Series

Chirimping Form - 130 kN





The below mentioned die types are proper for crimping DIN 46234 TYPE WELDED CABLE LUGS.

Chirimping Form : Point
Stroke : 10 mm
Application Range : 16……185 mm²
Crimping Force : **130 kN**



Product Code	Description	Hand Tools Used
SFK130N016	130 kN DIE SET (POINT CRIMPING)16 mm²	
SFK130N025	130 kN DIE SET (POINT CRIMPING)25 mm²	**SC-130** **SC-130L** **SXC-130** **SXC-130L** **SHK-25** **SHK-45** **SHK-120** **SFK-120** **SFK-120L**
SFK130N035	130 kN DIE SET (POINT CRIMPING)35 mm²	
SFK130N050	130 kN DIE SET (POINT CRIMPING)50 mm²	
SFK130N070	130 kN DIE SET (POINT CRIMPING)70 mm²	
SFK130N095	130 kN DIE SET (POINT CRIMPING)95 mm²	
SFK130N120	130 kN DIE SET (POINT CRIMPING)120 mm²	
SFK130N150	130 kN DIE SET (POINT CRIMPING)150 mm²	
SFK130N185	130 kN DIE SET (POINT CRIMPING)185 mm²	

ŞAFAK DIE TYPES - *H CLAMP*

SFK130H Series





Chirimping Form - 130 kN



The below mentioned die types are proper for crimping H CLAMP.

Chirimping Form : Oval
Stroke : 10 mm
Application Range : 35……150 mm²
Crimping Force : **130 kN**

Product Code	Description	Hand Tools Used
SFK130H03535	130 kN DIE SET (H CLAMP DIE) 35-35 mm²	**SC-130L** **SXC-130L** **SHK-25** **SFK-120** **SFK-120L**
SFK130H05050	130 kN DIE SET (H CLAMP DIE) 50-50 mm²	
SFK130H07070	130 kN DIE SET (H CLAMP DIE) 70-70 mm²	
SFK130H09595	130 kN DIE SET (H CLAMP DIE) 95-95 mm²	
SFK130H120120	130 kN DIE SET (H CLAMP DIE) 120-120 mm²	
SFK130H150150	130 kN DIE SET (H CLAMP DIE) 150-150 mm²	

ŞAFAK DIE TYPES - *C CLAMP*

SFK130C Series





Chirimping Form - 130 kN



The below mentioned die types are proper for crimping C CLAMP.

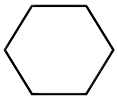
Chirimping Form : Round
Stroke : 10 mm
Application Range : 25……150 mm²
Crimping Force : **130 kN**

Product Code	Description	Hand Tools Used
SFK130C02525	130 kN DIE SET (C CLAMP DIE) 25-25 mm2	**SC-130L** **SXC-130L** **SHK-25** **SFK-120** **SFK-120L**
SFK130C03535	130 kN DIE SET (C CLAMP DIE) 35-35 mm2	
SFK130C05050	130 kN DIE SET (C CLAMP DIE) 50-50 mm2	
SFK130C07070	130 kN DIE SET (C CLAMP DIE) 70-70 mm2	
SFK130C09595	130 kN DIE SET (C CLAMP DIE) 95-95 mm2	
SFK130C120120	130 kN DIE SET (C CLAMP DIE) 120-120 mm2	
SFK130C120150	130 kN DIE SET (C CLAMP DIE) 120-150 mm2	

ŞAFAK DIE TYPES - *BI-METAL*

SFK130BS Series

Chirimping Form - 130 kN





The below mentioned die types are proper for crimping BI-METAL CABLE LUGS and BUTT-CONNECTORS.

Chirimping Form : Hexagonal
Stroke : 10 mm
Application Range : 16……500 mm²
Crimping Force : **130 kN**

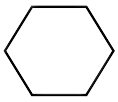


Product Code	Description	Hand Tools Used
SFK130BS0162535	130 kN DIE SET (AL/CU DIE) 16-25-35 mm²	**SC-130 SC-130L SXC-130 SXC-130L SFK-120 SFK-120L**
SFK130BS0507095	130 kN DIE SET (AL/CU DIE) 50-70-95 mm²	
SFK130BS120150	130 kN DIE SET (AL/CU DIE) 120-150 mm²	
SFK130BS185240	130 kN DIE SET (AL/CU DIE) 185-240 mm²	
SFK130BS300	130 kN DIE SET (AL/CU DIE) 300 mm²	
SFK130BS400	130 kN DIE SET (AL/CU DIE) 400 mm²	**SHK-25**
SFK130BS500	130 kN DIE SET (AL/CU DIE) 500 mm²	

ŞAFAK DIE TYPES - *Aluminum*

SFK130AL Series

Chirimping Form - 130 kN





The below mentioned die types are proper for crimping Aluminum CABLE LUGS and BUTT-CONNECTORS.

Chirimping Form : Hexagonal
Stroke : 10 mm
Application Range : 25……500 mm²
Crimping Force : **130 kN**



Product Code	Description	Hand Tools Used
SFK130AL025	130 kN DIE SET (Aluminum DIE) 25 mm²	
SFK130AL035	130 kN DIE SET (Aluminum DIE) 35 mm²	
SFK130AL050	130 kN DIE SET (Aluminum DIE) 50 mm²	**SC-130 SC-130L SXC-130 SXC-130L SFK-120 SFK-120L**
SFK130AL070	130 kN DIE SET (Aluminum DIE) 70 mm²	
SFK130AL095	130 kN DIE SET (Aluminum DIE) 95 mm²	
SFK130AL120	130 kN DIE SET (Aluminum DIE) 120 mm²	
SFK130AL150	130 kN DIE SET (Aluminum DIE) 150 mm²	
SFK130AL185	130 kN DIE SET (Aluminum DIE) 185 mm²	
SFK130AL240	130 kN DIE SET (Aluminum DIE) 240 mm²	
SFK130AL300	130 kN DIE SET (Aluminum DIE) 300 mm²	
SFK130AL400	130 kN DIE SET (Aluminum DIE) 400 mm²	**SHK-25**
SFK130AL500	130 kN DIE SET (Aluminum DIE) 500 mm²	

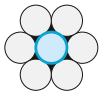
ACSR Steel Reinforced Aluminum Conductors

Characteristics

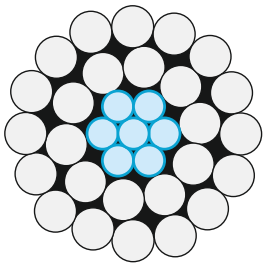
Canada Standard Code Name	TS Code AL / Steel	AWG Size CIRC. / MILS	Diameters and Wire Numbers					Cross-Section			Nomina Breakin Load	Theoretical Weight
			Total Ø	Aluminum		Steel		Total	Aluminum	Steel		
				Number	Diameter Ø	Number	Diameter Ø					
	mm²		mm	No	mm	No	mm	mm²			kg	kg / km
Swan	21/4	4	6,36	6	2,12	1	2,12	24,71	21,18	3,53	830	85
Swallow	27/4	3	7,14	6	2,38	1	2,38	31,14	26,69	4,45	1025	108
Sparrow	34/6	2	8,01	6	2,67	1	2,67	39,19	33,59	5,6	1265	136
Robin	45/7	88,22	9,24	6	3,08	1	3,08	52,15	44,7	7,45	1575	179
Raven	54/9	1/0	10,11	6	3,37	1	3,37	62,44	53,52	8,92	1925	216
Pigeon	85/14	3/0	12,75	6	4,25	1	4,25	99,3	85,12	14,18	3035	344
Partridge	135/22	266,8	16,28	26	2,57	7	2	156,86	134,87	21,99	5100	549
Ostrich	152/25	300	17,28	26	2,73	7	2,12	176,9	152,19	24,71	5730	619
Hawk	242/39	477	21,8	26	3,44	7	2,67	280,84	241,65	39,19	8800	985
Drake	403/65	795	28,11	26	4,44	7	3,45	468	402,56	65,44	14100	1638
Condor	402/52	795	27,72	54	3,08	7	3,08	454,48	402,33	52,15	12900	1520
Rail	483/34	954	29,58	45	3,7	7	2,47	517	483,4	33,6	12200	1605
Cardinal	485/63	954	30,42	54	3,38	7	3,38	547	484,2	62,8	15500	1830
Pheasent	645/82	1.272.000	35,1	54	3,9	19	2,34	726,79	645,08	81,71	19700	2425

Cross-Section View

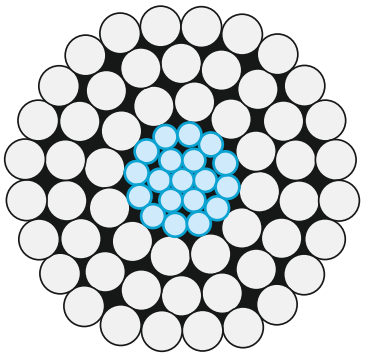
6 + 1



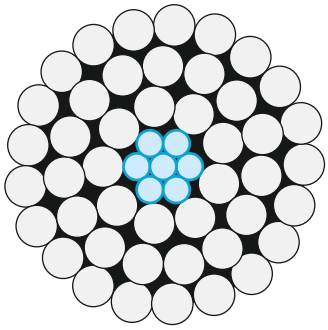
26 (10+16) **+ 7** (1+6)



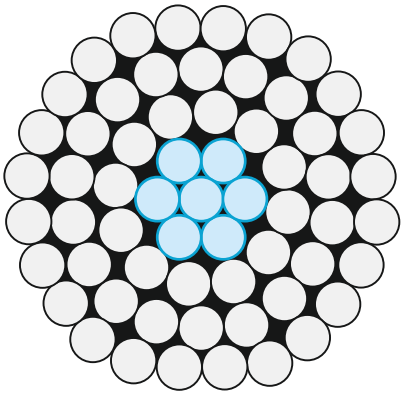
54 (12+18+24) **+ 19** (1+6+12)



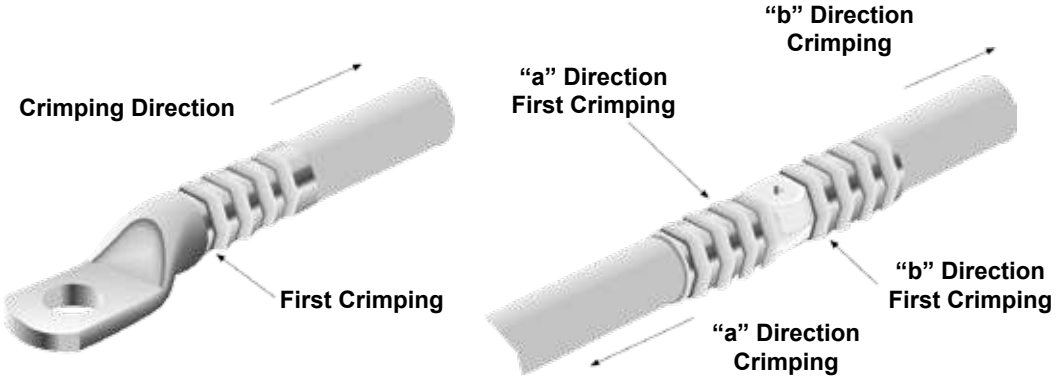
45 (9+15+21) **+ 7** (1+6)



54 (12+18+24) **+ 7** (1+6)



Crimping Cable Lugs and Connectors

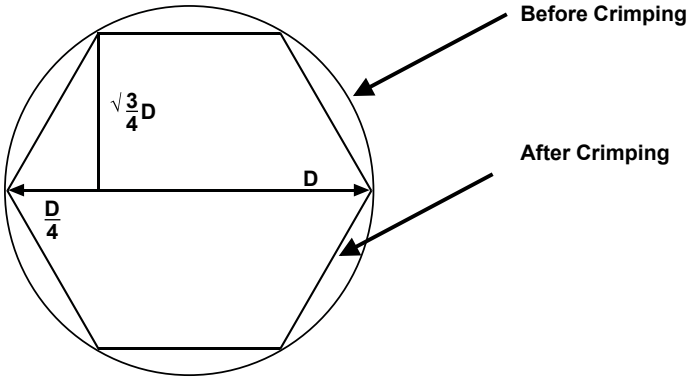


1- Entering the conductor wires to the bare tip of the clear according to the depth.

2- Fully insert the conductor into cable lug or connector.

3- Crimp with the appropriate tool and the directions given above.

Rate Reduction



D : Lug or connector outside diameter = Distance of the dies vertex

Area before crimping $\frac{\pi}{4} D^2$

Area after crimping $\frac{3}{8} \sqrt{3}\, D^2$

Crimping rate $\dfrac{\frac{3}{8}\sqrt{3}\, D^2}{\frac{\pi}{4} D^2} = 0{,}827$

Recommended Number of Crimping

		6	10	16	25	35	50	70	95	120	150	185	240	300	400	500
ST	Narrow Die	1	1	1	2	2	2	2	2	2	2	2	4	4	4	-
	Width Die	-	-	1	1	1	1	1	1	1	1	1	2	2	2	-
DIN	Narrow Die	2	2	2	2	2	3	3	4	4	4	4	5	-	-	-
	Width Die	-	-	1	1	1	1	1	2	2	2	2	2	2	3	3
Aluminum	Narrow Die	-	-	4	4	5	5	6	6	6	6	6	8	8	-	-
	Width Die	-	-	2	2	2	2	3	3	3	3	3	3	3	4	4

Chirimping Forms

	**Hexagonal Crimping** standard SKP and connectors, DIN 46235 cable lugs approoriate, suitable 46267 Butt Connectors, Butt Connectors and aluminum cable lugs. Application Range : 6…1000mm²
	**Point Crimping** standard cable lug and connectors, cable ends according to DIN 46234 norm and needle-type cable ends (DIN 46230), insulated cable ends nickel cable lugs and connectors. Application Range : 0.75……400mm²
	**Oval Crimping** Insulated cable terminals, “C“ fittings, clamp-type insulated cable lugs and connectors, pin type insulated cable ends and Butt connectors according to DIN 48217, crimpining terminations, insulated cable connectors. Application Range: 0.1….185mm²
	**Point Crimping** standard cable lugs and connectors, thin and multi-core cable lugs. Application Range : 6……400mm²
	**Dual-Point Crimping** standard cable lugs and connectors, nickel cable lugs and connectors. Application Range : 4….95mm²
	**Trapezoid Crimping** insulated, non-insulated and double-entry cord-end sleeves. Application Range: 0,14….185mm²
	**Point Criming** insulated, non-insulated and double-entry cord-end sleeves. Application Range: 0.5….35mm²
	**Square Crimping** insulated, non-insulated and double-entry cord-end sleeves. Application Range: 0.14…..6mm²
	**Roll Crimping** non-insulated. fterminals and 46228 - Chapter 2 compliand cord-end sleeves. Application Range: 0.1…6mm²
	**Rounding to** 90° ve 120° sector-shaped conductors Application Range: 10…300mm² - multi core 35…300mm² - single conductor

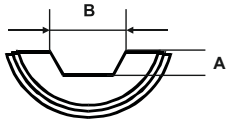
Insulation Classes

Symbol	Continuous Operating Temperature C°	Insulation Material
B	130 C°	Glass fibers, mika products, special synthetic sheets, compressed miner-al-filled metarials
F	155 C°	Glass fibers, mika products, aromatic polyamides, varnishes (polyester) impregnated glass fiber
H	180 C°	Glass fibers, mika products, aromatic polyamides, silicone rubber, teflon
C	>180 C°	Mica, porcelain, glass, quartz, teflon

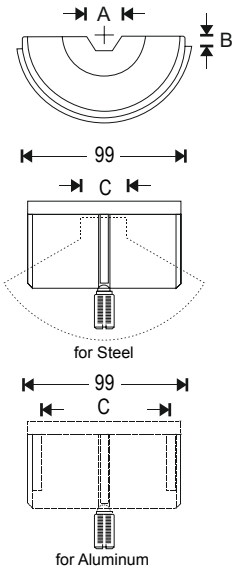
Degrees of enclosure protection

Symbol	First Digit Protection Against Dust	Second Digit Protection Against Water
IP 54	Amount of protection against ingress of damaging dust	Protection against splashing water from any angle
IP 55		Protection against water sprayed from any direction.
IP 56		Protection against water sprayed from a storm or pressure on the deck of the ship.
IP 65	Complete protection against the ingress of dust	Protection against water sprayed from any direction.
IP 66		Protection against water sprayed from a storm or pressure on the deck of the ship.
IP 67		Protection against immersion and specific period of time in water under pressure.
IP 68		With the provisions of the Manufacturerr protection against keeping constand under water.

Die Dimensions to DIN 48083

DIN 48083	Die Code	Length mm		Cross-Section	
		A (mm)	B (mm)	Al (mm²)	Cu (mm²)
	KZ4	1,5	3,9	-	4
	KZ5	1,9	5,0	-	6
	KZ6	2,1	5,5	-	10
	KZ8	3,2	8,0	-	16
	KZ10	3,8	9,4	-	25
	KZ12	4,7	11,5	25	35
	KZ14	5,5	13,5	35	50
	KZ16	6,0	15,5	50	70
	KZ18	7,3	18,0	70	95
	KZ20	8,0	19,8	-	120
	KZ22	9,1	22,2	95/120	150
	KZ25	10,2	24,8	150	185
	KZ28	12,0	27,8	185	240
	KZ32	13,6	31,7	240	300
	KZ34	14,5	33,7	300	400

SHK-110 Die Size

	Die Code	Conductor Type	Dimensions (mm) STEEL			Dimensions (mm) ALUMINUM		
			A (mm)	2B (mm)	C (mm)	A (mm)	2B (mm)	C (mm)
	S13	Drain Wire	13,5	11,70	30,00	-	-	-
	S14	Drain Wire	14,43	12,50	30,00	-	-	-
	S16	266 MCM (Partrige)	16,00	13,00	30,00	-	-	-
	A27	266 MCM (Partrige)	-	-	-	27,00	24,00	75,00
	S20	477 MCM (Hawk)	19,23	16,66	30,00	-	-	-
	A44	477 MCM (Hawk)	-	-	-	43,47	37,64	75,00
	S22	795 MCM (Drake) 957 MCM (Cardinal)	22,69	19,66	30,00	-	-	-
	A52	"795 MCM (Drake) 957 MCM (Cardinal)	-	-	-	53,29	46,16	75,00
	S26	1272 MCM (Pheasent)	25,58	22,16	30,00	-	-	-
	A60	1272 MCM (Pheasent)	-	-	-	61,37	53,14	75,00

*** Special size dies can be produced for different steel and Aluminum collars**

Şafak®

Perfect Connection..

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