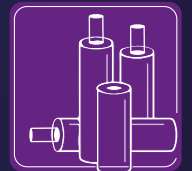
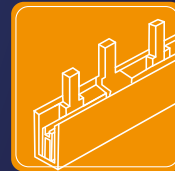
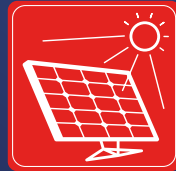
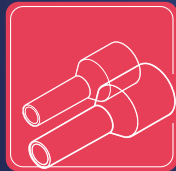
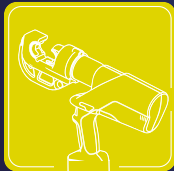
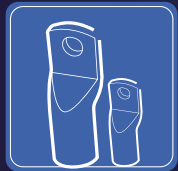




Perfect Connection...



2020-2021 CATALOG

Energy is our business...

SICAME GROUP

60 Years of Sustained Growth

#energyisourbusiness



Founded in 1955 by Basile Lachaud in Pompadour in Corrèze, **SICAME** developed in France then abroad. The Group grew fast internally and through acquisitions thanks to the constant development of electrical infrastructures in France and for export.

Today, the Group's products can be found on all five continents.

SICAME Group is currently the largest independent entity in its sector of activity.

60

Years of experience

5

Continent

3,000

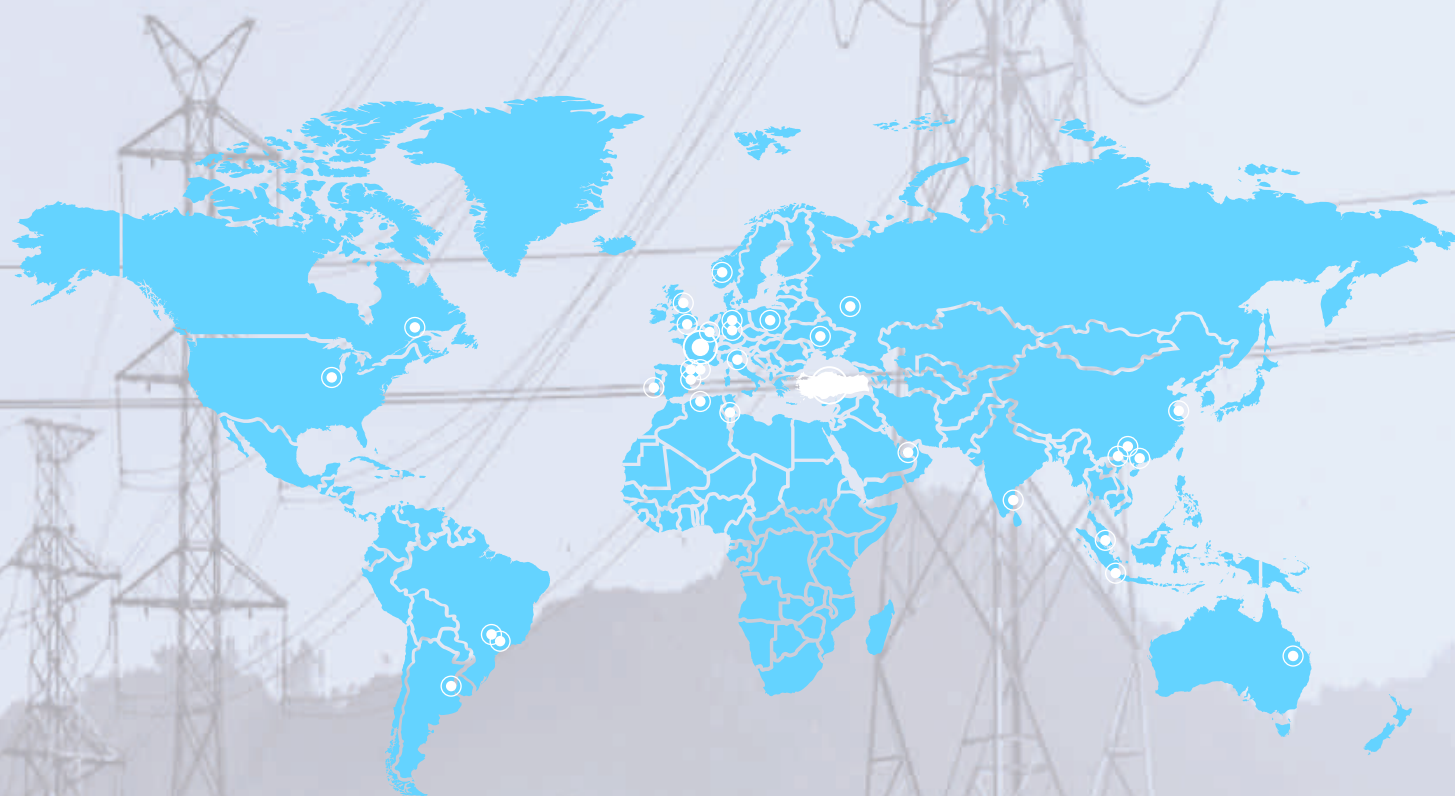
Employees

50,000

Products manufactured
for 5 strategic activity domains

52

Sicame companies
located around the world





Şafak Elektrik which is established in 1980 is the manufacturer of connecting and mounting products in the electricity sector.

Şafak Elektrik which continues its operation with 92 employees in 11.000m2 area facilities which is high-tech and integrated robotic and fully automated system continue its activities with its increasing capacity.

Our company, which continues its activities in Istanbul, Headquarter includes sales-marketing, import-export, finance-accounting; Facilities includes production, purchasing, quality, R&D center, Shipment-Logistics and Maintenance



100
Employees



Facilities



Sales
Team



Demo
Van



Application



Online
Purchasing

Şafak Elektrik 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 desing, production, functionality and quality criteria for our products and services.

Our company supplies the following product groups: compression Cable Lugs and Butt-Connectors, Insulated-Non-insulated Cord End Sleeves, Insulated-Non-insulated Terminals, Busbars, Distribution Blocks, Cable Ties (nylon, steel and coated steel), and Accesories, Mechanical Hand Tools (Mechanical Crimpers, Cutters and Strippers), Hydraulic Crimping and Cutting Tools, Battery Operated Tools.



Our understanding of service and production according to International Quality Standards is that 100% customer contribution.

Şafak Elektrik, with the principles and quality systems it has adopted, joined the largest independent entity in its sector of activity.



PRODUCTION



R&D



MAINTENANCE



LOGISTICS



INTERNATIONAL QUALITY STANDARDS

The highest version of ISO 9001 has been upgraded to “ISO 9001: 2015 Quality Management System” which has international accreditation instead of ISO 9001: 2008 Quality Management System which is used in previous years. Main differences the new version of the standard to be applied for compatible with other management systems is that using HLS (High Level Structure), emphasis on risk-based thinking, flexibility in documentation conditions, an easier implementation structure, less requirements it contains.

ISO 45001:2018 OCCUPATIONAL HEALTH AND SECURITY MANAGEMENT SYSTEM and ISO 14001: 2015 ENVIRONMENTAL MANAGEMENT SYSTEM, in accordance with ISO and Enviromental Management Standarts to be applied according to International Approved and Published by Accreditation Forum (IAF)

- ISO 9001: 2015 QUALITY MANAGEMENT SYSTEM
- ISO 10002: 2018 CUSTOMER SATISFACTION AND COMPLAINT MANAGEMENT SYSTEM
- ISO 14001: 2015 ENVIRONMENTAL MANAGEMENT SYSTEM
- ISO 45001:2018 OCCUPATIONAL HEALTH AND SECURITY MANAGEMENT SYSTEM
- TSE
- RoHS
- CE
- UL
- BRAND REGISTERS



INDEX



Compression Cable Lugs and Butt-Connectors 01



Busbars and Distribution Blocks 38



Heat Shrinkable Tubes 47



Cable Ties 56



Insulated-Non-Insulated Cord-end Sleeve 61



Renewable Energies 71



Tooling 78

INDEX

1

CABLE LUGS AND BUTT-CONNECTORS

Eco Type.....	01
ST Type.....	02
ST Type Butt-connectors.....	04
SE (Euro) Type.....	05
SE (Euro) Type 45°.....	07
SE (Euro) Type 90°.....	08
SE (Euro)Type Butt-connectors.....	09
Double Hole SE Type.....	10
DIN 46235 Type.....	12
DIN 46267 Type Butt-connectors.....	14
Narrow Palm SE Type.....	15
DIN 46234 Type Round and Welded.....	16
DIN 48201 Aluminum Type.....	18
DIN 46267 Aluminum Butt-connector.....	19
Aluminum Bolted Lugs-MV-35kV.....	20
Aluminum Bolted Butt Connector-LV-1kV.....	21
Bolted Splices for Copper and Aluminum Cables-1kV.....	22
Aluminum Bolted Butt Connector-MV-35kV.....	23
Bi-metal Bolted Cable Lug-LV-1kV.....	24
Bi-metal Bolted Cable Lug-MV-35kV.....	25
Bi-metal (CU/AL).....	27
BS2 Bi-metal (CU/AL).....	28
Bi-metal (CU/AL) Butt-connector.....	29
Compression Tap-off Copper Connectors Type C.....	30
Clamp Connectors Swivelling Connecting Clamps.....	31
Swivelling Connecting.....	32
U Clamps.....	32
Tap-off Connectors for Copper Conductors.....	33
Tap-off Connectors for Copper Aluminum Conductors.....	34

35

CONNECTORS

Push-in Type Connector.....	36
Type Connectors.....	36
Compact Splicing Connector.....	36
Lighting Connector.....	36
Screw-on Wire Connector.....	37
Winged Wire Connector.....	37
Plastic Sleeve.....	37

INDEX

38

BUSBARS AND DISTRIBUTION BLOCKS

MCB Busbars	39
Neutral Busbars	39
1 Pole Distribution Blocks 125A	40
2 Pole Distribution Blocks 80A	40
2 Pole Distribution Blocks 125A	40
3 Pole Distribution Blocks 80A	41
3 Pole Distribution Blocks 125A	41
3 Pole Distribution Blocks 160A	41
4 Pole Distribution Blocks 80A	42
4 Pole Distribution Blocks 125A	42
4 Pole Distribution Blocks 160A	42
Footed Neutral Terminal Block 80A	43
Footed Neutral Terminal Block 125A	43
Footed Neutral Terminal Block 160A	43
Non-Footed Neutral Terminal Block 80A	44
Non-Footed Neutral Terminal Block 125A	44
Non-Footed Neutral Terminal Block 160A	44
Footed Neutral Terminal Block 80A	45
Footed Neutral Terminal Block 125A	45
Footed Neutral Terminal Block 160A	45
Plastic Neutral Pillar	45
Din Rail	46
Din Rail Carrier	46
Automat Rail	46
Automat Cover Plate	46
Labels	46
Copper Busbars Distribution Power Terminals	46

47

HEAT SHRINKABLE TUBE

Heat Gun	48
Black Colour Heat Shrink	49
Clear Colour Heat Shrink	50
Colored Heat Shrink	51
Yellow-Green Heat Shrink	53
Self-Adhesive Tubing	54
Repair Sleeve for MV of 36kV	55
MV Cross-Linked Polyolefin Busbar Tubing	55

INDEX

56

CABLE TIES AND ACCESSORIES

Şafak Series Natural Cable Ties	57
Şafak Series Self-adhesive Nylon Square Base	57
Şafak Series Saddle Natural Nylon Support.....	57
Self-adhesive Nylon Square Base	57
Şafak Series Black Cable Ties.....	58
Cable Tie Fixing Apparatus	58
Stainless Steel Cable Ties	59
Stainless Steel Label	59
Stainless Steel Cable Ties Polyester Coated - 304 Steel.....	60
Stainless Steel Cable Ties Polyester Coated - 316 Steel.....	60

61

INSULATED-NON-INSULATED CORD-END SLEEVE

Şafak Series Cord-end Terminal French Norm	62
Şafak Series Cord-end Terminal German Norm	62
Şafak Series Insulated Twin Cord-end Terminal (DIN 46228)	63
Şafak Series Non-insulated Cord-end Terminal (DIN 46228)	63
Cord-end Terminal French Norm.....	64
Cord-end Terminal German Norm.....	64
Insulated Twin Cord-end Terminal (DIN 46228).....	65

66

INSULATED-NON-INSULATED TERMINALS

Ring Type Insulated Cable Terminals (DIN 46237).....	66
Fork Type Insulated Cable Terminals (DIN 46237).....	66
Pin Type Insulated Cable Terminals	67
Blade Type Insulated Cable Terminals.....	67
Butt-splice Connectors Insulated Cable Terminals.....	67
DIN 46230 Type Non-insulated Cable Terminals - Welded	67
Male Terminals - Insulated Cable Terminals.....	68
Female Terminals - Insulated Cable Terminals.....	68
Female Disconnectors - Insulated Cable Terminals	68
Fully Insulated Female Disconnectors - Insulated Cable Terminals.....	69
Fully Polyamid Insulated Female Disconnectors	69
Male Disconnectors	69
Piggy Back Disconnectors Insulated Cable Terminals	70
Flag Female Disconnectors Insulated Cable Terminals	70

INDEX

71

RENEWABLE ENERGIES - PHOTOVOLTAIC

Connectors for Wiring Photovoltaic Panels	72
Insulation Displacement	73
Connector for Equipotential Bonding	74
SOLFIL Connectors for «Tile Panel» Modules	77
Tooling for SOLFIL Connectors.....	77
Insulation Window Stripping Tool	77

78

HAND TOOLS

Heavy Duty Mechanical Hand Tools	79
Cord-end Sleeve Crimping Tools	80
Insulated Terminals Crimping Tools	80
Non-insulated Terminals and Connectors Crimping Tools	80
Cable Lug Crimping Tools.....	81
Connector Crimping Tools	81
Cable Stripping Tools.....	81
XLPE Cable Stripping Tools.....	82

83

WEICON TOOLS

Cable Stripper	84
----------------------	----

89

IMPORT MECHANICAL HAND TOOLS

Electric Machine to Crimp End Sleeves Tape Mounted	89
Cord-end Sleeve Crimping Tools	90
Insulated Terminals Crimping Tools	90
Non-insulated Terminals and Connectors Crimping Tools	91
Cable Lug Crimping Tools.....	92
Connector Crimping Tools	92
Cable Tie Tensioning Tools.....	93
Cable Stripping Tools.....	93

INDEX

94

MECHANICAL CRIMPERS AND CUTTERS

Cable Lug Crimping Tools.....	94
Copper Cable Cutters	95
ACSR Cable Cutters.....	98

99

HYDRAULIC TOOLS

Hydraulic Crimping Tools	99
Hydraulic Crimping Heads.....	101
Electrical Hydraulic Pumps	102
Hydraulic Pumps and Accessories	103
Hydraulic Cutters and Cutting Heads	104
Hand Hydraulic Hollow Punhces.....	106
Round Punches and Dies	107

109

NEW RANGE OF ELECTRO-HYDRAULIC COMPRESSION TOOLS

Battery Operated Hydraulic Crimping and Cutting Tools.....	110
Battery Operated Tools Accessories.....	116
SFK60ST Series Dies.....	117
SFK60SE Series Dies.....	118
SFK60D Series Dies	118
SFK60N Series Dies	119
SFK130ST Series Dies	120
SFK130SE Series Dies	120
SFK130D Series Dies.....	121
SFK130N Series Dies.....	121
SFK130H Series Dies.....	122
SFK130C Series Dies	122
SFK130BS Series Dies.....	123
SFK130AL Series	123



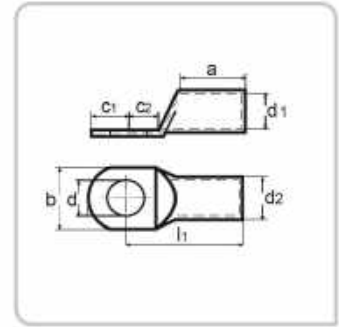
MAIN DIFFERENCES OF ŞAFK ELEKTRİK FROM OTHERS;

- Our cable lugs and butt-connectors are manufactured from copper in EN13600 standard.
- All of our cable lugs are produced by annealing. (Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.)
- The coppers which we use in production are certified, fully electrolytic and made of pure copper. Scrap and poor quality copper is never used.
- Tin coating is made between 3-6 microns.
- Cross-section and clamping dimensions are written on all of our butt-connectors.
- Şafak Elektrik who is a manufacturer of cable lugs has an (UL) quality certified.
- Şafak Elektrik has reports of TSE, ISO (ISO 9001-14001-18001-10002), CE certificates, Current carrying and short circuit testing.
- We have an approved R&D center. (The first and only in its branches in Turkey R&D center)





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 **Şafak** Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with ST series dies.

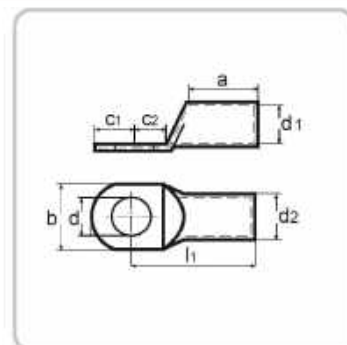
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)								Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l1	a	b	c1	c2		
E 01005	10 mm ²	M5	5,3	4,5	6,0	21,5	9,0	8,6	5,5	7,0	800	2,10
E 01606	16 mm ²	M6	6,4	5,5	7,0	24,5	11,0	10,5	5,5	6,5	500	1,70
E 02508	25 mm ²	M8	8,3	7,0	9,0	31,7	12,0	13,0	6,8	9,2	300	2,20
E 03508	35 mm ²	M8	8,3	8,5	10,5	35,2	14,0	15,5	8,3	9,7	200	2,00
E 05010	50 mm ²	M10	10,3	10,0	12,0	41,5	17,0	17,9	10,0	12,0	150	2,20
E 07010	70 mm ²	M10	10,3	11,5	14,0	45,5	18,0	20,7	10,0	12,0	100	2,30
E 09510	95 mm ²	M10	10,3	13,5	16,0	48,5	21,0	23,5	10,0	12,0	80	2,20
E 12012	120 mm ²	M12	12,8	15,5	18,0	58,0	25,0	26,7	13,0	14,5	50	1,90
E 15012	150 mm ²	M12	12,8	16,5	20,0	59,5	26,0	29,2	16,5	16,5	30	2,10
E 18516	185 mm ²	M16	16,5	18,5	22,0	65,0	29,0	32,3	17,0	18,0	30	2,15
E 24016	240 mm ²	M16	16,5	21,5	25,5	74,0	33,0	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



ST Type Cable Lugs



Features

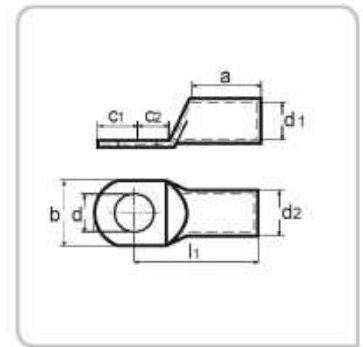
- Tempering of the cable lugs during the production process provides easy and more practical usage of the **Safak** Cable Lugs.
 - Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
 - All **Safak** Cable Lugs are tempered during production process.
- ⚠ These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

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)								Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l1	a	b	c1	c2		
ST 01005	10 mm²	M5	5,5	4,7	6,6	22,0	10,0	10,3	5,5	7,0	800	2,80
ST 01006		M6	6,5	4,7	6,6	22,0	10,0	10,3	5,5	7,0	800	2,60
ST 01008		M8	8,5	4,7	6,6	23,7	10,0	13,5	6,8	8,7	800	2,80
ST 01605	16 mm²	M5	5,5	5,6	7,8	24,0	12,0	11,2	5,5	6,5	500	2,60
ST 01606		M6	6,5	5,6	7,8	24,0	12,0	11,2	5,5	6,5	500	2,70
ST 01608		M8	8,5	5,6	7,8	26,2	12,0	13,5	6,8	8,7	500	2,90
ST 01610		M10	10,5	5,6	7,8	26,0	12,0	16,0	7,5	8,5	500	2,90
ST 02506	25 mm²	M6	6,5	7,1	9,5	32,2	16,0	13,7	6,8	9,2	300	3,00
ST 02508		M8	8,5	7,1	9,5	32,2	16,0	13,7	6,8	9,2	300	2,75
ST 02510		M10	10,5	7,1	9,5	34,0	16,0	16,0	8,0	11,0	300	2,90
ST 02512		M12	13,0	7,1	9,5	35,0	16,0	18,0	10,0	12,0	300	2,90
ST 03506	35 mm²	M6	6,5	8,2	10,8	35,7	19,0	15,3	8,3	9,7	200	2,80
ST 03508		M8	8,5	8,2	10,8	35,7	19,0	15,3	8,3	9,7	200	2,80
ST 03510		M10	10,5	8,2	10,8	38,0	19,0	15,7	10,0	12,0	200	2,80
ST 03512		M12	13,0	8,2	10,8	38,0	19,0	18,0	10,0	12,0	200	2,80
ST 05006	50 mm²	M6	6,5	10,1	13,0	39,2	21,0	18,9	8,3	9,7	150	3,00
ST 05008		M8	8,5	10,1	13,0	39,2	21,0	18,9	8,3	9,7	150	3,10
ST 05010		M10	10,5	10,1	13,0	41,5	21,0	18,9	10,0	12,0	150	3,30
ST 05012		M12	13,0	10,1	13,0	41,5	21,0	18,9	10,0	12,0	150	3,10
ST 05014		M14	15,0	10,1	13,0	44,5	21,0	22,0	12,0	15,0	150	3,30
ST 07008	70 mm²	M8	8,5	11,5	14,7	42,3	23,0	21,1	8,3	9,7	100	2,80
ST 07010		M10	10,5	11,5	14,7	44,6	23,0	21,1	10,0	12,0	100	3,00
ST 07012		M12	13,0	11,5	14,7	44,6	23,0	21,1	10,0	12,0	100	2,80
ST 07014		M14	15,0	11,5	14,7	47,6	23,0	21,5	15,0	15,0	100	3,40
ST 07016		M16	17,0	11,5	14,7	47,6	23,0	21,5	15,0	15,0	100	3,20
ST 09508	95 mm²	M8	8,5	13,5	16,7	48,8	26,0	24,7	10,0	12,0	80	3,00
ST 09510		M10	10,5	13,5	16,7	48,8	26,0	24,7	10,0	12,0	80	3,00
ST 09512		M12	13,0	13,5	16,7	48,8	26,0	24,7	10,0	12,0	80	2,90
ST 09514		M14	15,0	13,5	16,7	51,8	26,0	24,7	15,0	15,0	80	3,20
ST 09516		M16	17,0	13,5	16,7	51,8	26,0	24,7	15,0	15,0	80	3,10



ST Type Cable Lugs



Features

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

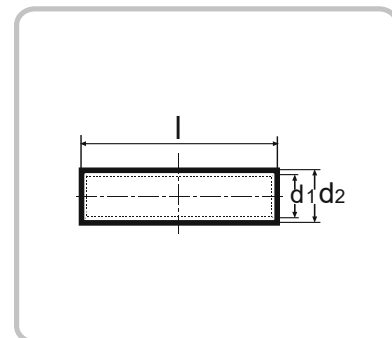
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)								Package Amount (Pcs)	Package Weight (-kg)
			d	d1	d2	l1	a	b	c1	c2		
ST 12010	120 mm ²	M10	10,5	15,6	19,0	56,0	29,0	27,7	13,0	14,5	50	2,70
ST 12012		M12	13,0	15,6	19,0	56,0	29,0	27,7	13,0	14,5	50	2,60
ST 12014		M14	15,0	15,6	19,0	56,0	29,0	27,7	13,0	14,5	50	2,50
ST 12016		M16	17,0	15,6	19,0	56,0	29,0	27,7	13,0	14,5	50	2,40
ST 12020		M20	21,0	15,6	19,0	56,0	29,0	27,7	13,0	14,5	50	2,10
ST 15010	150 mm ²	M10	10,5	16,5	21,0	60,0	30,0	30,4	16,5	16,5	30	2,60
ST 15012		M12	13,0	16,5	21,0	60,0	30,0	30,4	16,5	16,5	30	2,50
ST 15014		M14	15,0	16,5	21,0	60,0	30,0	30,4	16,5	16,5	30	2,40
ST 15016		M16	17,0	16,5	21,0	60,0	30,0	30,4	16,5	16,5	30	2,40
ST 18510	185 mm ²	M10	10,5	18,4	23,0	65,5	33,0	34,2	17,0	18,0	30	3,00
ST 18512		M12	13,0	18,4	23,0	65,5	33,0	34,2	17,0	18,0	30	3,00
ST 18514		M14	15,0	18,4	23,0	65,5	33,0	34,2	17,0	18,0	30	2,90
ST 18516		M16	17,0	18,4	23,0	65,5	33,0	34,2	17,0	18,0	30	2,90
ST 24010	240 mm ²	M10	10,5	21,0	26,0	72,0	38,0	38,7	17,0	18,0	25	3,70
ST 24012		M12	13,0	21,0	26,0	72,0	38,0	38,7	17,0	18,0	25	3,70
ST 24014		M14	15,0	21,0	26,0	72,0	38,0	38,7	17,0	18,0	25	3,70
ST 24016		M16	17,0	21,0	26,0	72,0	38,0	38,7	17,0	18,0	25	3,60
ST 30012	300 mm ²	M12	13,0	23,4	28,6	77,0	41,0	42,6	18,0	18,0	20	3,50
ST 30014		M14	15,0	23,4	28,6	77,0	41,0	42,6	18,0	18,0	20	3,40
ST 30016		M16	17,0	23,4	28,6	77,0	41,0	42,6	18,0	18,0	20	3,20
ST 40012	400 mm ²	M12	13,0	26,8	32,8	88,2	48,0	48,3	20,0	20,0	12	3,40
ST 40016		M16	17,0	26,8	32,8	88,2	48,0	48,3	20,0	20,0	12	3,40
ST 40020		M20	21,0	26,8	32,8	88,2	48,0	48,3	20,0	20,0	12	3,40
ST 50016	500 mm ²	M16	17,0	29,8	38,4	93,0	48,0	54,9	22,5	22,5	8	3,40
ST 50020		M20	21,0	29,8	38,4	93,0	48,0	54,9	22,5	22,5	8	3,40
ST 60020	600 mm ²	M20	21,0	34,5	44,0	110,1	61,0	63,0	23,0	23,0	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.



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 **Şafak** Cable Lugs are tempered during production process.
- ⚠ These butt-connectors must be crimped with ST series dies.

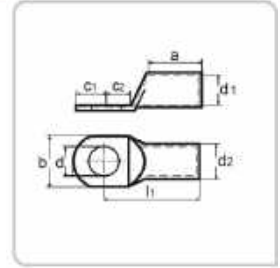
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Dimensions (mm)			Package Amount (Pcs)	Package Weight (~kg)
		d1	d2	l		
ST EM006	6 mm ²	3,8	5,5	25,0	800	2,30
ST EM010	10 mm ²	4,7	6,6	30,0	600	2,50
ST EM016	16 mm ²	5,6	7,8	35,0	400	2,50
ST EM025	25 mm ²	7,1	9,5	40,0	250	2,80
ST EM035	35 mm ²	8,2	10,8	45,0	150	2,30
ST EM050	50 mm ²	10,1	13,0	50,0	90	2,30
ST EM070	70 mm ²	11,5	14,7	55,0	65	2,20
ST EM095	95 mm ²	13,5	16,7	60,0	50	2,10
ST EM120	120 mm ²	15,6	19,0	65,0	40	2,40
ST EM150	150 mm ²	16,5	21,0	70,0	25	2,30
ST EM185	185 mm ²	18,4	23,0	75,0	22	2,50
ST EM240	240 mm ²	21,0	26,0	85,0	18	2,90
ST EM300	300 mm ²	23,4	28,6	100,0	10	2,00
ST EM400	400 mm ²	26,8	32,8	110,0	-	-
ST EM500	500 mm ²	29,8	38,4	120,0	-	-
ST EM600	600 mm ²	34,5	44,0	130,0	-	-

- 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



SE (EuroType) Cable Lugs



Features

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

⚠ These lugs must be crimped with SE series dies.

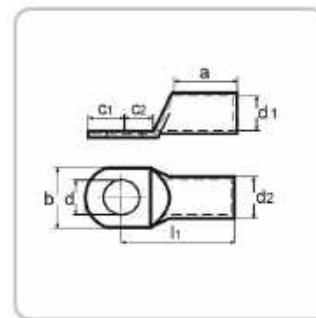
⚠ **SE Type with inspection hole is also available**

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)								Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l1	a	b	c1	c2		
SE 00606	6 mm ²	M6	6,5	3,5	6,5	21	9	12,0	6,5	7,5	800	3,28
SE 00608		M8	8,5	3,5	6,5	23	9	15,0	10,0	10,0	800	3,51
SE 01005	10 mm ²	M5	5,5	4,5	7,0	22,0	10,0	12,0	6,5	7,5	600	3,24
SE 01006		M6	6,5	4,5	7,0	22,0	10,0	12,0	6,5	7,5	600	3,08
SE 01008		M8	8,5	4,5	7,0	25,0	10,0	15,0	10,0	10,0	600	3,62
SE 01010		M10	10,5	4,5	7,0	27,0	10,0	17,0	12,0	12,0	600	3,97
SE 01606	16 mm ²	M6	6,5	5,5	8,5	27,0	13,0	12,0	6,3	7,5	400	3,54
SE 01608		M8	8,5	5,5	8,5	29,0	13,0	15,0	8,5	9,5	400	3,91
SE 01610		M10	10,5	5,5	8,5	31,0	13,0	17,0	10,5	11,5	400	4,17
SE 02505	25 mm ²	M5	5,5	7,0	10,0	30,0	15,0	14,0	7,5	7,5	250	3,24
SE 02506		M6	6,5	7,0	10,0	30,0	15,0	14,0	7,5	7,5	250	3,19
SE 02508		M8	8,5	7,0	10,0	32,0	15,0	16,0	10,0	10,0	250	3,44
SE 02510		M10	10,5	7,0	10,0	34,0	15,0	18,0	12,0	12,0	250	3,59
SE 02512		M12	13,0	7,0	10,0	35,0	15,0	19,0	13,0	13,0	250	3,52
SE 03506	35 mm ²	M6	6,5	8,5	12,0	32,0	17,0	17,0	7,5	7,5	150	2,87
SE 03508		M8	8,5	8,5	12,0	34,0	17,0	17,0	10,0	10,0	150	2,84
SE 03510		M10	10,5	8,5	12,0	37,0	17,0	19,0	12,0	12,0	150	3,28
SE 03512		M12	13,0	8,5	12,0	38,0	17,0	21,0	13,0	13,0	150	3,27
SE 05006	50 mm ²	M6	6,5	10,0	14,0	37,0	19,0	20,0	10,0	10,0	120	3,65
SE 05008		M8	8,5	10,0	14,0	37,0	19,0	20,0	10,0	10,0	120	3,54
SE 05010		M10	10,5	10,0	14,0	39,0	19,0	20,0	12,0	12,0	120	3,82
SE 05012		M12	13,0	10,0	14,0	43,0	19,0	23,0	13,0	13,0	120	3,98
SE 05014		M14	15,0	10,0	14,0	45,0	19,0	23,0	14,5	14,5	120	4,15
SE 05016		M16	17,0	10,0	14,0	46,0	19,0	28,0	16,0	16,0	120	4,28
SE 07008	70 mm ²	M8	8,5	12,0	16,5	43,0	21,0	23,0	10,0	10,0	80	3,64
SE 07010		M10	10,5	12,0	16,5	44,0	21,0	23,0	12,0	12,0	80	3,85
SE 07012		M12	13,0	12,0	16,5	46,0	21,0	23,0	13,0	13,0	80	3,79
SE 07014		M14	15,0	12,0	16,5	48,0	21,0	23,0	14,5	14,5	80	3,98
SE 09508	95 mm ²	M8	8,5	13,5	18,0	48,0	25,0	26,0	12,0	12,0	60	3,45
SE 09510		M10	10,5	13,5	18,0	48,0	25,0	26,0	12,0	12,0	60	3,43
SE 09512		M12	13,0	13,5	18,0	49,0	25,0	26,0	13,0	13,0	60	3,38
SE 09514		M14	15,0	13,5	18,0	51,0	25,0	26,0	14,5	14,5	60	3,48
SE 09516		M16	17,0	13,5	18,0	54,0	25,0	28,0	16,0	16,0	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 **Safak** Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All **Safak** Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with SE series dies.

⚠ **SE Type with inspection hole is also available**

Material : EN 13600 standard copper

Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	d	d1	d2	l1	a	b	c1	c2	Package Amount (Pcs)	Package Weight (~kg)
SE 12008	120 mm²	M8	8,5	15,0	19,5	51,0	26,0	28,0	14,0	14,0	50	3,37
SE 12010		M10	10,5	15,0	19,5	51,0	26,0	28,0	14,0	14,0	50	3,32
SE 12012		M12	13,0	15,0	19,5	51,0	26,0	28,0	14,0	14,0	50	3,22
SE 12014		M14	15,0	15,0	19,5	52,0	26,0	28,0	15,0	15,0	50	3,27
SE 12016		M16	17,0	15,0	19,5	54,0	26,0	30,0	16,0	16,0	50	3,38
SE 15008	150 mm²	M8	8,5	16,5	21,0	56,0	30,0	31,0	14,0	14,0	30	2,4
SE 15010		M10	10,5	16,5	21,0	56,0	30,0	31,0	14,0	14,0	30	2,44
SE 15012		M12	13,0	16,5	21,0	57,0	30,0	31,0	15,0	15,0	30	2,44
SE 15014		M14	15,0	16,5	21,0	57,0	30,0	31,0	15,0	15,0	30	2,38
SE 15016		M16	17,0	16,5	21,0	58,0	30,0	31,0	16,0	16,0	30	2,43
SE 18510	185 mm²	M10	10,5	19,0	24,0	65,0	30,0	35,0	18,0	18,0	25	2,96
SE 18512		M12	13,0	19,0	24,0	65,0	30,0	35,0	18,0	18,0	25	2,94
SE 18514		M14	15,0	19,0	24,0	65,0	30,0	35,0	18,0	18,0	25	2,91
SE 18516		M16	17,0	19,0	24,0	65,0	30,0	35,0	18,0	18,0	25	2,86
SE 24010	240 mm²	M10	10,5	21,0	26,0	72,0	35,0	39,0	21,5	19,0	25	3,97
SE 24012		M12	13,0	21,0	26,0	72,0	35,0	39,0	21,5	19,0	25	3,93
SE 24014		M14	15,0	21,0	26,0	72,0	35,0	39,0	21,5	19,0	25	3,71
SE 24016		M16	17,0	21,0	26,0	72,0	35,0	39,0	21,5	19,0	25	3,64
SE 24020		M20	21,0	21,0	26,0	72,0	35,0	39,0	21,5	19,0	25	-
SE 30012	300 mm²	M12	13,0	23,4	28,6	87,0	44,0	43,0	24,0	24,0	-	-
SE 30014		M14	15,0	23,4	28,6	87,0	44,0	43,0	24,0	24,0	-	-
SE 30016		M16	17,0	23,4	28,6	87,0	44,0	43,0	24,0	24,0	-	-
SE 30020		M20	21,0	23,4	28,6	87,0	44,0	43,0	24,0	24,0	-	-
SE 40012	400 mm²	M12	13,0	27,0	34,0	90,0	44,0	49,0	24,0	24,0	-	-
SE 40014		M14	15,0	27,0	34,0	90,0	44,0	49,0	24,0	24,0	-	-
SE 40016		M16	17,0	27,0	34,0	90,0	44,0	49,0	24,0	24,0	-	-
SE 40020		M20	21,0	27,0	34,0	90,0	44,0	49,0	24,0	24,0	-	-

- 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

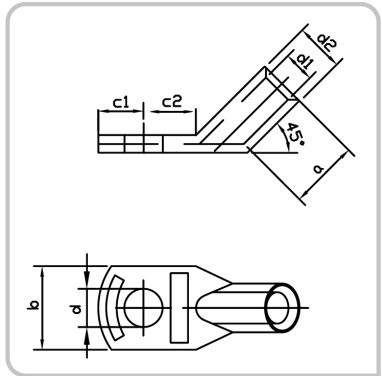


Features

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

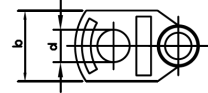
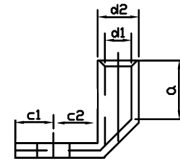


Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)							Package Amount (Pcs)	Package Weight (~kg)
			d1	d2	d	a	b	c1	c2		
SE45 01005	10 mm ²	M5	4,5	7,0	5,5	10,0	12,0	6,5	7,5	600	3,62
SE45 01006		M6	4,5	7,0	6,5	10,0	12,0	6,5	7,5	600	3,62
SE45 01008		M8	4,5	7,0	8,5	10,0	15,0	10,0	10,0	600	3,92
SE45 01606	16 mm ²	M6	5,5	8,5	6,5	13,0	12,0	6,3	7,5	400	3,94
SE45 01608		M8	5,5	8,5	8,5	13,0	15,0	8,5	9,5	400	4,34
SE45 01610		M10	5,5	8,5	10,5	13,0	17,0	10,5	11,5	400	4,78
SE45 02506	25 mm ²	M6	7,0	10,0	6,5	15,0	14,0	7,5	7,5	250	3,61
SE45 02508		M8	7,0	10,0	8,5	15,0	16,0	10,0	10,0	250	3,84
SE45 02510		M10	7,0	10,0	10,5	15,0	18,0	12,0	12,0	250	4,06
SE45 03506	35 mm ²	M6	8,5	12,0	6,5	17,0	17,0	7,5	7,5	150	3,69
SE45 03508		M8	8,5	12,0	8,5	17,0	17,0	10,0	10,0	150	3,98
SE45 03510		M10	8,5	12,0	10,5	17,0	19,0	12,0	12,0	150	4,01
SE45 05006	50 mm ²	M6	10,0	14,0	6,5	19,0	20,0	10,0	10,0	90	3,21
SE45 05008		M8	10,0	14,0	8,5	19,0	20,0	10,0	10,0	90	3,13
SE45 05010		M10	10,0	14,0	10,5	19,0	20,0	12,0	12,0	90	3,31
SE45 05012		M12	10,0	14,0	13,0	19,0	23,0	13,0	13,0	90	3,48
SE45 07008	70 mm ²	M8	12,0	16,5	8,5	21,0	23,0	10,0	10,0	65	3,28
SE45 07010		M10	12,0	16,5	10,5	21,0	23,0	12,0	12,0	65	3,54
SE45 07012		M12	12,0	16,5	13,0	21,0	23,0	13,0	13,0	65	3,57
SE45 09508	95 mm ²	M8	13,5	18,0	8,5	25,0	26,0	12,0	12,0	50	3,19
SE45 09510		M10	13,5	18,0	10,5	25,0	26,0	12,0	12,0	50	3,2
SE45 09512		M12	13,5	18,0	13,0	25,0	26,0	13,0	13,0	50	3,38
SE45 12010	120 mm ²	M10	15,0	19,5	10,5	26,0	28,0	14,0	14,0	40	3,00
SE45 12012		M12	15,0	19,5	13,0	26,0	28,0	14,0	14,0	40	2,99
SE45 15010	150 mm ²	M10	16,5	21,0	10,5	30,0	31,0	14,0	14,0	25	2,51
SE45 15012		M12	16,5	21,0	13,0	30,0	31,0	15,0	15,0	25	2,27
SE45 15016		M16	16,5	21,0	17,0	30,0	31,0	16,0	16,0	25	2,55
SE45 18510	185 mm ²	M10	19,0	24,0	10,5	30,0	35,0	18,0	18,0	22	3,05
SE45 18512		M12	19,0	24,0	13,0	30,0	35,0	18,0	18,0	22	2,90
SE45 18516		M16	19,0	24,0	17,0	30,0	35,0	18,0	18,0	22	2,60
SE45 24010	240 mm ²	M10	21,0	26,0	10,5	35,0	39,0	21,5	19,0	18	3,20
SE45 24012		M12	21,0	26,0	13,0	35,0	39,0	21,5	19,0	18	3,18
SE45 24016		M16	21,0	26,0	17,0	35,0	39,0	21,5	19,0	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 **Safak** Cable Lugs.
 - Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
 - All **Safak** Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with SE series dies.

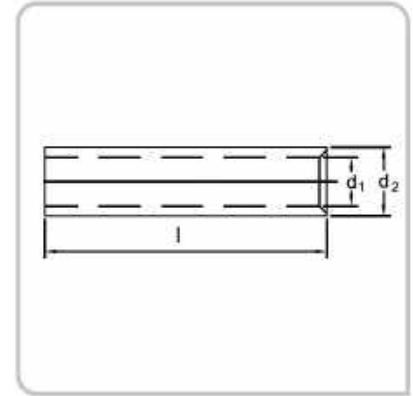
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)							Package Amount (Pcs)	Package Weight (~kg)
			d1	d2	d	a	b	c1	c2		
SE90 01005	10 mm ²	M5	4,5	7,0	5,5	10,0	12,0	6,5	7,5	600	3,84
SE90 01006		M6	4,5	7,0	6,5	10,0	12,0	6,5	7,5	600	3,77
SE90 01008		M8	4,5	7,0	8,5	10,0	15,0	10,0	10,0	600	4,46
SE90 01606	16 mm ²	M6	5,5	8,5	6,5	13,0	12,0	6,3	7,5	400	4,14
SE90 01608		M8	5,5	8,5	8,5	13,0	15,0	8,5	9,5	400	4,42
SE90 01610		M10	5,5	8,5	10,5	13,0	17,0	10,5	11,5	400	4,78
SE90 02506	25 mm ²	M6	7,0	10,0	6,5	15,0	14,0	7,5	7,5	250	3,64
SE90 02508		M8	7,0	10,0	8,5	15,0	16,0	10,0	10,0	250	3,93
SE90 02510		M10	7,0	10,0	10,5	15,0	18,0	12,0	12,0	250	4,09
SE90 03506	35 mm ²	M6	8,5	12,0	6,5	17,0	17,0	7,5	7,5	150	3,38
SE90 03508		M8	8,5	12,0	8,5	17,0	17,0	10,0	10,0	150	3,71
SE90 03510		M10	8,5	12,0	10,5	17,0	19,0	12,0	12,0	150	3,82
SE90 05006	50 mm ²	M6	10,0	14,0	6,5	19,0	20,0	10,0	10,0	90	3,34
SE90 05008		M8	10,0	14,0	8,5	19,0	20,0	10,0	10,0	90	3,28
SE90 05010		M10	10,0	14,0	10,5	19,0	20,0	12,0	12,0	90	3,41
SE90 05012	70 mm ²	M12	10,0	14,0	13,0	19,0	23,0	13,0	13,0	90	3,47
SE90 07008		M8	12,0	16,5	8,5	21,0	23,0	10,0	10,0	65	3,13
SE90 07010		M10	12,0	16,5	10,5	21,0	23,0	12,0	12,0	65	3,34
SE90 07012	95 mm ²	M12	12,0	16,5	13,0	21,0	23,0	13,0	13,0	65	3,23
SE90 09508		M8	13,5	18,0	8,5	25,0	26,0	12,0	12,0	50	3,06
SE90 09510		M10	13,5	18,0	10,5	25,0	26,0	12,0	12,0	50	3,05
SE90 09512	120 mm ²	M12	13,5	18,0	13,0	25,0	26,0	13,0	13,0	50	3,07
SE90 12010		M10	15,0	19,5	10,5	26,0	28,0	14,0	14,0	40	3,02
SE90 12012		M12	15,0	19,5	13,0	26,0	28,0	14,0	14,0	40	3,00
SE90 15010	150 mm ²	M10	16,5	21,0	10,5	30,0	31,0	14,0	14,0	30	2,29
SE90 15012		M12	16,5	21,0	13,0	30,0	31,0	15,0	15,0	30	2,30
SE90 15016		M16	16,5	21,0	17,0	30,0	31,0	16,0	16,0	30	2,33
SE90 18510	185 mm ²	M10	19,0	24,0	10,5	30,0	35,0	18,0	18,0	30	22,000
SE90 18512		M12	19,0	24,0	13,0	30,0	35,0	18,0	18,0	30	22,000
SE90 18516		M16	19,0	24,0	17,0	30,0	35,0	18,0	18,0	30	22,000
SE90 24010	240 mm ²	M10	21,0	26,0	10,5	35,0	39,0	21,5	19,0	25	25,300
SE90 24012		M12	21,0	26,0	13,0	35,0	39,0	21,5	19,0	25	25,300
SE90 24016		M16	21,0	26,0	17,0	35,0	39,0	21,5	19,0	25	25,300

- 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 **Safak** Cable Lugs.
 - Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
 - All **Safak** Cable Lugs are tempered during production process.
- ⚠ These butt-connectors must be crimped with SE series dies.

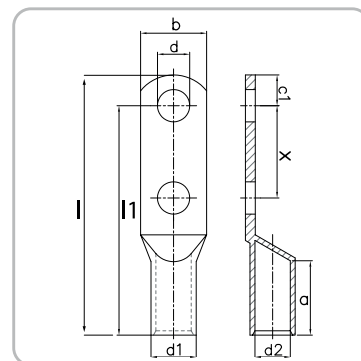
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Dimensions (mm)			Package Amount (Pcs)	Package Weight (~kg)
		d1	d2	l		
SE EM010	10 mm²	4,5	7,0	30,0	600	4,32
SE EM016	16 mm²	5,5	8,5	35,0	400	4,00
SE EM025	25 mm²	7,0	10,0	40,0	250	3,52
SE EM035	35 mm²	8,5	12,0	45,0	150	3,36
SE EM050	50 mm²	10,0	14,0	50,0	90	3,02
SE EM070	70 mm²	12,0	16,5	55,0	60	2,95
SE EM095	95 mm²	13,5	18,0	60,0	50	2,90
SE EM120	120 mm²	15,0	19,5	65,0	40	2,80
SE EM150	150 mm²	16,5	21,0	70,0	25	2,10
SE EM185	185 mm²	19,0	24,0	75,0	20	2,02
SE EM240	240 mm²	21,0	26,0	85,0	18	2,76
SE EM300	300 mm²	23,4	28,6	100,0	-	-
SE EM400	400 mm²	27,0	34,0	100,0	-	-

- 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

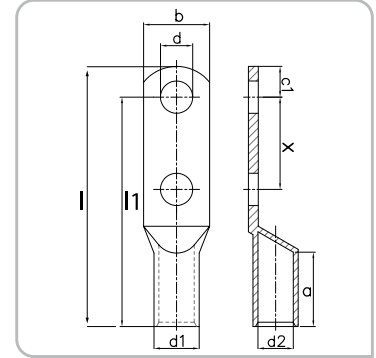
- Tempering of cable lug during the production provides easy and more practical usage of **Safak** Cable Lugs.
 - Cable lugs are reheated at 700 degrees so they do not break after the crimping process.
 - All **Safak** Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped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

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)									Package Weight(-kg)
			d1	d2	d	a	b	c1	x	l1	l	
CD 01606-16	16 mm ²	M6	5,5	8,5	6,4	20,0	12,0	10,0	16	53	63	0,88
CD 01606-25		M6	5,5	8,5	7,0	20,0	12,0	10,0	25	62	72	0,88
CD 02506-16	25 mm ²	M6	7,0	10,0	6,4	20,0	14,0	10,0	16	54	64	1,07
CD 02506-25		M6	7,0	10,0	7,0	20,0	14,0	10,0	25	63	73	1,07
CD 02508-16		M8	7,0	10,0	8,5	20,0	14,0	10,0	16	54	64	1,07
CD 02508-25		M8	7,0	10,0	8,5	20,0	14,0	10,0	25	63	73	1,07
CD 03508-16	35 mm ²	M8	8,5	12,0	8,5	20,0	14,0	10,0	16	62	72	1,50
CD 03508-25		M8	8,5	12,0	8,5	20,0	18,0	10,0	25	71	81	1,50
CD 03508-40		M8	8,5	12,0	8,5	20,0	18,0	10,0	40	86	96	1,50
CD 03510-25		M10	8,5	12,0	10,5	20,0	18,0	10,0	25	71	81	1,50
CD 03510-40	50 mm ²	M10	8,5	12,0	10,5	20,0	18,0	10,0	40	86	96	1,50
CD 05006-25		M6	10,0	14,0	6,5	28,0	21,0	10,0	25	69	79	2,01
CD 05006-40		M6	10,0	14,0	6,5	28,0	21,0	10,0	40	84	94	2,01
CD 05008-25		M8	10,0	14,0	8,5	28,0	21,0	10,0	25	69	79	2,01
CD 05008-40		M8	10,0	14,0	8,5	28,0	21,0	16,0	40	84	94	2,01
CD 05010-25		M10	10,0	14,0	10,5	28,0	21,0	16,0	25	75	91	2,01
CD 05010-40		M10	10,0	14,0	10,5	28,0	21,0	16,0	40	90	106	2,01
CD 05012-25		M12	10,0	14,0	13,0	28,0	23,0	16,0	25	75	91	2,01
CD 05012-40	70 mm ²	M12	10,0	14,0	13,0	28,0	23,0	16,0	40	90	106	2,01
CD 07008-25		M8	12,0	16,5	8,5	28,0	23,0	16,0	25	76	86	2,69
CD 07008-40		M8	12,0	16,5	8,5	28,0	23,0	16,0	40	91	101	2,69
CD 07010-25		M10	12,0	16,5	10,5	28,0	23,0	16,0	25	82	98	2,69
CD 07010-40		M10	12,0	16,5	10,5	28,0	23,0	16,0	40	97	113	2,69
CD 07012-25		M12	12,0	16,5	13,0	28,0	23,0	16,0	25	76	92	2,69
CD 07012-40		M12	12,0	16,5	13,0	28,0	23,0	16,0	40	91	107	2,69
CD 07012-45		M12	12,0	16,5	13,0	28,0	23,0	16,0	45	96	112	2,69
CD 07012-60		M12	12,0	16,5	13,0	28,0	23,0	16,0	60	111	127	2,69



Double Hole SE Cable Lugs



Features

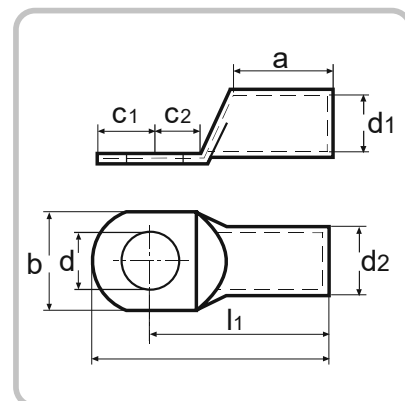
- Tempering of cable lug during the production provides easy and more practical usage of Şafak Cable Lugs.
 - Cable lugs are reheated at 700 degrees so they do not break after the crimping process.
 - All Şafak Cable Lugs are tempered during production process.
- ⚠ These lugs must be crimped with SE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

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm)								Package Weight(≈kg)	
			d1	d2	d	a	b	c1	x	l1		l
CD 09510-25	95 mm²	M10	13,5	18,0	10,5	35,0	26,0	16,0	25	87	103	2,97
CD 09510-40		M10	13,5	18,0	10,5	35,0	26,0	16,0	40	102	118	2,97
CD 09512-25		M12	13,5	18,0	13,0	35,0	26,0	16,0	25	87	103	2,97
CD 09512-40		M12	13,5	18,0	13,0	35,0	26,0	16,0	40	102	118	2,97
CD 09512-45		M12	13,5	18,0	13,0	35,0	26,0	16,0	45	107	123	2,97
CD 09512-60		M12	13,5	18,0	13,0	35,0	26,0	16,0	60	122	138	2,97
CD 12012-25	120 mm²	M12	15,0	19,5	13,0	35,0	28,0	16,0	25	87	103	3,26
CD 12012-40		M12	15,0	19,5	13,0	35,0	28,0	16,0	40	102	118	3,26
CD 12012-45		M12	15,0	19,5	13,0	35,0	28,0	16,0	45	107	123	3,26
CD 12012-60		M12	15,0	19,5	13,0	35,0	28,0	16,0	60	122	138	3,26
CD 12016-40		M16	15,0	19,5	17,0	35,0	28,0	19,0	40	105	124	3,26
CD 12016-50		M16	15,0	19,5	13,0	35,0	28,0	19,0	50	115	134	3,26
CD 15012-25	150 mm²	M12	16,5	21,0	13,0	35,0	31,0	16,0	25	90	106	3,54
CD 15012-40		M12	16,5	21,0	13,0	35,0	31,0	16,0	40	105	121	3,54
CD 15012-45		M12	16,5	21,0	13,0	35,0	31,0	16,0	45	110	126	3,54
CD 15012-50		M12	16,5	21,0	13,0	35,0	31,0	16,0	50	115	131	3,54
CD 15012-60		M12	16,5	21,0	13,0	35,0	31,0	16,0	60	125	141	3,54
CD 15016-40		M16	16,5	21,0	17,0	35,0	31,0	19,0	40	108	127	3,54
CD 15016-50		M16	16,5	21,0	17,0	35,0	31,0	19,0	50	118	137	3,54
CD 18512-25	185 mm²	M12	19,0	24,0	13,0	40,0	35,0	16,0	25	96	112	4,51
CD 18512-40		M12	19,0	24,0	13,0	40,0	35,0	16,0	40	111	127	4,51
CD 18512-50		M12	19,0	24,0	13,0	40,0	35,0	16,0	50	121	137	4,51
CD 18516-40		M16	19,0	24,0	17,0	40,0	35,0	19,0	40	114	133	4,51
CD 18516-50		M16	19,0	24,0	17,0	40,0	35,0	19,0	50	124	143	4,51
CD 24012-25	240 mm²	M12	21,0	26,4	13,0	40,0	38,0	16,0	25	97	113	5,19
CD 24012-40		M12	21,0	26,4	13,0	40,0	38,0	16,0	40	112	128	5,19
CD 24012-50		M12	21,0	26,4	13,0	40,0	38,0	16,0	50	122	138	5,19
CD 24016-40		M16	21,0	26,4	17,0	40,0	38,0	19,0	40	115	134	5,19
CD 24016-50		M16	21,0	26,4	17,0	40,0	38,0	19,0	50	125	144	5,19



DIN 46235 Type Cable Lugs



Features

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

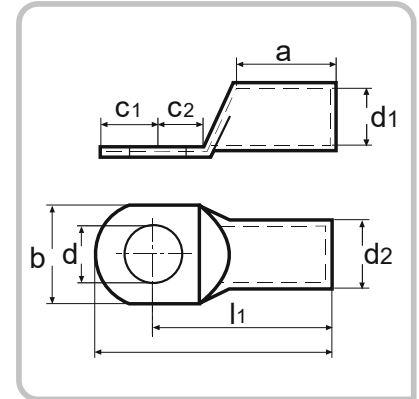
⚠ These lugs must be crimped with DIN series dies

Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)								Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l1	a	b	c1	c2		
DIN 01005	10 mm ²	M5	5,3	4,5	7,0	27,0	10,0	9,0	7,0	8,5	500	1,60
DIN 01006		M6	6,4	4,5	7,0	27,0	10,0	9,0	7,5	8,5	500	1,60
DIN 01606	16 mm ²	M6	6,4	5,5	8,5	36,0	20,0	13,0	7,5	8,0	250	3,00
DIN 01608		M8	8,4	5,5	8,5	36,0	20,0	13,0	10,0	10,0	250	3,30
DIN 01610	25 mm ²	M10	10,5	5,5	8,5	36,0	20,0	17,0	12,0	12,0	250	3,20
DIN 02506		M6	6,4	7,0	10,0	38,0	20,0	14,0	7,5	8,0	200	2,90
DIN 02508		M8	8,4	7,0	10,0	38,0	20,0	16,0	10,0	10,0	200	3,00
DIN 02510		M10	10,5	7,0	10,0	38,0	20,0	17,0	12,0	12,0	200	3,20
DIN 02512	35 mm ²	M12	13,0	7,0	10,0	38,0	20,0	19,0	13,0	13,0	200	3,20
DIN 03508		M8	8,4	8,2	12,5	42,0	20,0	17,0	10,0	10,0	120	3,50
DIN 03510		M10	10,5	8,2	12,5	42,0	20,0	19,0	12,0	12,0	120	3,50
DIN 03512		M12	13,0	8,2	12,5	42,0	20,0	21,0	13,0	13,0	120	3,60
DIN 05008	50 mm ²	M8	8,4	10,0	14,5	52,0	28,0	20,0	10,0	10,0	65	2,90
DIN 05010		M10	10,5	10,0	14,5	52,0	28,0	22,0	12,0	12,0	65	3,00
DIN 05012		M12	13,0	10,0	14,5	52,0	28,0	24,0	13,0	13,0	65	2,90
DIN 05016		M16	17,0	10,0	14,5	52,0	28,0	28,0	16,0	16,0	65	2,90
DIN 07008	70 mm ²	M8	8,4	11,5	16,5	55,0	28,0	24,0	10,0	10,0	50	2,90
DIN 07010		M10	10,5	11,5	16,5	55,0	28,0	24,0	12,0	12,0	50	3,00
DIN 07012		M12	13,0	11,5	16,5	55,0	28,0	24,0	13,0	13,0	50	3,00
DIN 07016		M16	17,0	11,5	16,5	55,0	28,0	30,0	16,0	16,0	50	3,20
DIN 09510	95 mm ²	M10	10,5	13,5	19,0	65,0	35,0	28,0	12,0	12,0	30	2,70
DIN 09512		M12	13,0	13,5	19,0	65,0	35,0	28,0	13,0	13,0	30	2,70
DIN 09516		M16	17,0	13,5	19,0	65,0	35,0	32,0	16,0	16,0	30	2,80



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 **Şafak** Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with DIN series dies

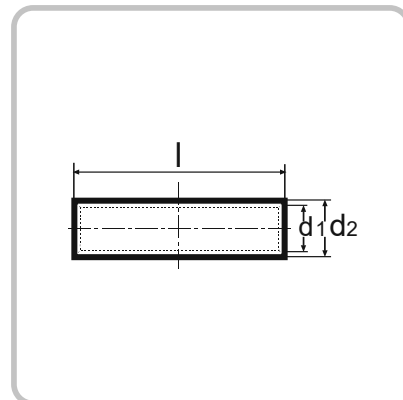
Material : EN 13600 standard copper
Surface Treatment : Tin Plated

Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)								Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l1	a	b	c1	c2		
DIN 12010	120 mm²	M10	10,5	15,5	21,0	70,0	35,0	32,0	15,0	16,0	25	2,90
DIN 12012		M12	13,0	15,5	21,0	70,0	35,0	32,0	16,0	17,0	25	2,90
DIN 12016		M16	17,0	15,5	21,0	70,0	35,0	32,0	19,0	20,0	25	2,90
DIN 12020		M20	21,0	15,5	21,0	70,0	35,0	38,0	21,0	22,0	25	2,90
DIN 15010	150 mm²	M10	10,5	17,0	23,5	78,0	35,0	34,0	15,0	16,0	20	3,20
DIN 15012		M12	13,0	17,0	23,5	78,0	35,0	34,0	16,0	17,0	20	3,10
DIN 15016		M16	17,0	17,0	23,5	78,0	35,0	34,0	19,0	20,0	20	3,40
DIN 15020		M20	21,0	17,0	23,5	78,0	35,0	40,0	21,0	22,0	20	3,40
DIN 18510	185 mm²	M10	10,5	19,0	25,5	82,0	40,0	37,0	15,0	16,0	15	2,90
DIN 18512		M12	13,0	19,0	25,5	82,0	40,0	37,0	16,0	17,0	15	2,80
DIN 18516		M16	17,0	19,0	25,5	82,0	40,0	37,0	19,0	20,0	15	3,00
DIN 18520		M20	21,0	19,0	25,5	82,0	40,0	40,0	21,0	22,0	15	3,10
DIN 24012	240 mm²	M12	13,0	21,5	29,0	92,0	40,0	42,0	16,0	17,0	10	2,70
DIN 24016		M16	17,0	21,5	29,0	92,0	40,0	42,0	19,0	20,0	10	2,80
DIN 24020		M20	21,0	21,5	29,0	92,0	40,0	45,0	21,0	22,0	10	2,90
DIN 30016	300 mm²	M16	17,0	24,5	32,0	100,0	50,0	48,0	19,0	22,0	10	3,40
DIN 30020		M20	21,0	24,5	32,0	100,0	50,0	48,0	22,0	22,0	10	3,40
DIN 40016	400 mm²	M16	17,0	27,5	38,5	115,0	70,0	55,0	25,0	25,0	8	5,30
DIN 40020		M20	21,0	27,5	38,5	115,0	70,0	55,0	25,0	25,0	8	5,40
DIN 50020	500 mm²	M20	21,0	31,0	42,0	125,0	70,0	60,0	25,0	25,0	4	-
DIN 62520	625 mm²	M20	21,0	34,5	44,0	135,0	80,0	60,0	25,0	25,0	4	-

- 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 +1-0,3mm.; between 185-400 mm², it is +1-0,4 mm.; between 500 - 625 mm², it is +1-0,5mm; "b" dimension tolerance is +1-1 mm between 10 - 70 mm²; between 95-625 mm² it is +1-2 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 **Safak** Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All **Safak** Cable Lugs are tempered during production process.

⚠ These lugs must be crimped with DIN series dies

Material : EN 13600 standard copper

Surface Treatment : Tin Plated

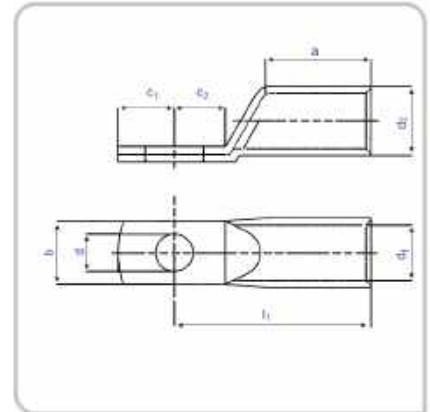
Product Code	Cross-Section mm ²	Dimensions (mm)			Package Amount (Pcs)	Package Weight (~kg)
		d1	d2	l		
DIN EM010	10 mm²	4,5	6,0	30,0	300	2,60
DIN EM016	16 mm²	5,5	8,5	50,0	200	2,80
DIN EM025	25 mm²	7,0	10,0	50,0	150	2,70
DIN EM035	35 mm²	8,2	12,5	50,0	100	3,00
DIN EM050	50 mm²	10,0	14,5	56,0	60	2,60
DIN EM070	70 mm²	11,5	16,5	56,0	50	2,69
DIN EM095	95 mm²	13,5	19,0	70,0	30	2,64
DIN EM120	120 mm²	15,5	21,0	70,0	25	2,44
DIN EM150	150 mm²	17,0	23,5	80,0	20	2,80
DIN EM185	185 mm²	19,0	25,5	85,0	15	2,52
DIN EM240	240 mm²	21,5	29,0	90,0	10	2,40
DIN EM300	300 mm²	24,5	32,0	100,0	-	-
DIN EM400	400 mm²	27,5	38,5	150,0	-	-
DIN EM500	500 mm²	31,0	42,0	160,0	-	-
DIN EM625	625 mm²	34,5	44,0	160,0	-	-

* 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.



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 **Safak** Cable Lugs.
- Cable lugs are reheated at 700 degrees so that they do not break after the crimping process.
- All **Safak** 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 mm ²	Bolt Ø	Dimensions (mm)								Package Amount (Pcs)	Package Weight (~kg)
			d	d1	d2	l1	a	b	c1	c2		
DG 03506	35 mm ²	M6	6,5	8,5	12	39	22	15	7,5	8,5	150	2,90
DG 05006	50 mm ²	M6	6,5	10	14	46	26	15	7,5	13	120	3,80
DG 05008		M8	8,5	10	14	46	26	17	10	10,5	120	3,80
DG 05010		M10	10,5	10	14	48	26	19	12,5	14	120	3,70
DG 07008	70 mm ²	M8	8,5	12	16,5	53	29	17	10	11,5	80	3,50
DG 07010		M10	10,5	12	16,5	55	29	19	12,5	12,5	80	3,40
DG 07012		M12	13	12	16,5	56	29	19	13	14,5	80	3,80
DG 09508	95 mm ²	M8	8,5	13,5	18	55	32	19	10	11,5	60	3,50
DG 09510		M10	10,5	13,5	18	55	32	19	12	12	60	3,40
DG 09512		M12	13	13,5	18	56	32	19	13	15,5	60	3,20
DG 12008	120 mm ²	M8	8,5	15	19,5	58	32	19	10	13	50	3,10
DG 12010		M10	10,5	15	19,5	58	32	19	11	14	50	3,10
DG 12012		M12	13	15	19,5	58	32	19	13,5	16	50	3,10
DG 15008	150 mm ²	M8	8,5	16,5	21	62	34	19	12,5	16,5	30	2,40
DG 15010		M10	10,5	16,5	21	62	34	19	12,5	15,5	30	2,40
DG 15012		M12	13	16,5	21	63	34	19	13,5	19	30	2,30
DG 18510	185 mm ²	M10	10,5	19	24	72	40	24,5	12,5	17	25	2,90
DG 18512		M12	13	19	24	72	40	24,5	13,5	15,5	25	2,90
DG 18516		M16	17	19	24	72	40	31	16,5	17,5	25	2,90
DG 24010	240 mm ²	M10	10,5	21,2	26,4	77	42	31	15,5	21	25	3,70
DG 24012		M12	13	21,2	26,4	77	42	31	13,5	16,5	25	3,70
DG 24016		M16	17	21,2	26,4	77	42	31	16,5	17	25	3,70

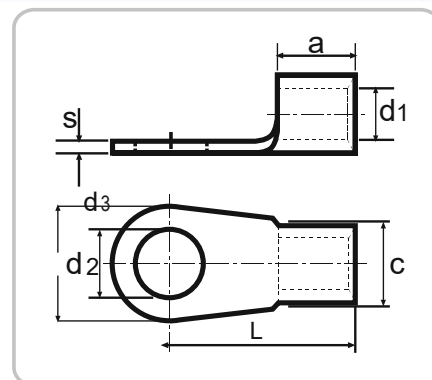
* Our goods are manufactured of electrolytic copper(E-Cu), they are full tempered, welded and min. 3 micron tin plated.

* 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.



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

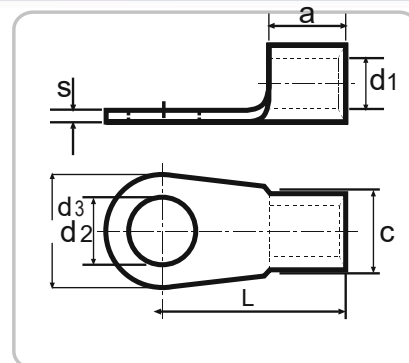
Material : Cu-ETP

Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm)						Package Amount (Pcs)	Package Weight (~kg)
			d3	L	a	c	d1	S		
SFK-3-1	1,5 mm²	M3	6,0	11,0	5,0	4,0	1,6	0,8	1.000	0,60
SFK-4-1		M4	8,0	12,0	5,0	4,0	1,6	0,8	1.000	0,70
SFK-5-1		M5	10,0	13,0	5,0	4,0	1,6	0,8	1.000	0,80
SFK-6-1		M6	10,0	13,0	5,0	4,0	1,6	0,8	1.000	0,70
SFK-3-2,5	2,5 mm²	M3	6,0	11,0	5,0	4,5	2,3	0,8	1.000	0,70
SFK-4-2,5		M4	8,0	12,0	5,0	4,5	2,3	0,8	1.000	0,80
SFK-5-2,5		M5	10,0	14,0	5,0	4,5	2,3	0,8	1.000	1,00
SFK-6-2,5		M6	11,0	16,0	5,0	4,5	2,3	0,8	1.000	1,10
SFK-8-2,5		M8	14,0	17,0	5,0	4,5	2,3	0,8	1.000	1,30
SFK-10-2,5		M10	15,0	17,0	5,0	4,5	2,3	0,8	1.000	1,20
SFK-12-2,5		M12	18,0	20,0	5,0	4,5	2,3	0,8	1.000	1,50
SFK-4-6	6 mm²	M4	8,0	14,0	6,0	6,0	3,6	1,0	1.000	1,40
SFK-5-6		M5	10,0	15,0	6,0	6,0	3,6	1,0	1.000	1,60
SFK-6-6		M6	11,0	16,0	6,0	6,0	3,6	1,0	1.000	1,70
SFK-8-6		M8	14,0	19,0	6,0	6,0	3,6	1,0	1.000	2,20
SFK-10-6		M10	18,0	21,0	6,0	6,0	3,6	1,0	500	1,40
SFK-12-6		M12	22,0	23,0	6,0	6,0	3,6	1,0	500	1,80
SFK-5-10I	10 mm²	M5	10,0	16,0	8,0	8,0	4,5	1,1	500	1,20
SFK-6-10I		M6	11,0	17,0	8,0	8,0	4,5	1,1	500	1,30
SFK-8-10I		M8	14,0	20,0	8,0	8,0	4,5	1,1	500	1,50
SFK-10-10I		M10	18,0	21,0	8,0	8,0	4,5	1,1	500	1,80
SFK-12-10I		M12	22,0	23,0	8,0	8,0	4,5	1,1	500	2,20
SFK-5-16I	16 mm²	M5	11,0	20,0	10,0	11,0	5,8	1,2	500	1,90
SFK-6-16I		M6	11,0	20,0	10,0	11,0	5,8	1,2	500	2,00
SFK-8-16I		M8	14,0	22,0	10,0	11,0	5,8	1,2	500	2,20
SFK-10-16I		M10	18,0	24,0	10,0	11,0	5,8	1,2	500	2,50
SFK-12-16I		M12	22,0	26,0	10,0	11,0	5,8	1,2	250	1,50
SFK-5-25I	25 mm²	M5	12,0	25,0	11,0	12,0	7,5	1,5	250	1,80
SFK-6-25I		M6	12,0	25,0	11,0	12,0	7,5	1,5	250	1,50
SFK-8-25I		M8	16,0	25,0	11,0	12,0	7,5	1,5	200	1,60
SFK-10-25I		M10	18,0	26,0	11,0	12,0	7,5	1,5	200	1,70
SFK-12-25I		M12	22,0	31,0	11,0	12,0	7,5	1,5	200	2,00
SFK-16-25I		M16	28,0	35,0	11,0	12,0	7,5	1,5	200	2,20



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

Material : Cu-ETP

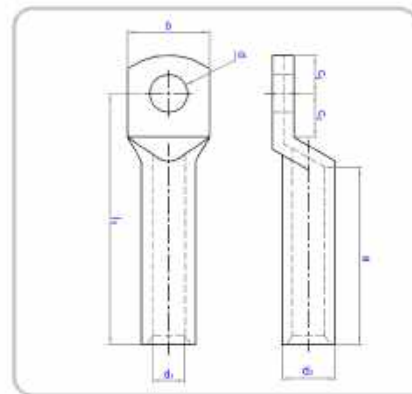
Surface Treatment : Tin Plated

Product Code	Cross-Section mm²	Bolt Ø	Dimensions (mm)					Package Amount (Pcs)	Package Weight (~kg)	
			d3	L	a	c	d1			S
SFK-6-35I	35 mm²	M6	15,0	26,0	12,0	16,0	9,0	1,6	200	2,00
SFK-8-35I		M8	16,0	26,0	12,0	16,0	9,0	1,6	200	2,00
SFK-10-35I		M10	18,0	27,0	12,0	16,0	9,0	1,6	200	2,00
SFK-12-35I		M12	22,0	31,0	12,0	16,0	9,0	1,6	200	2,40
SFK-16-35I		M16	28,0	36,0	12,0	16,0	9,0	1,6	100	1,50
SFK-6-50I	50 mm²	M6	18,0	34,0	16,0	18,0	11,0	1,8	100	1,80
SFK-8-50I		M8	18,0	34,0	16,0	18,0	11,0	1,8	100	1,80
SFK-10-50I		M10	18,0	34,0	16,0	18,0	11,0	1,8	100	1,70
SFK-12-50I		M12	22,0	36,0	16,0	18,0	11,0	1,8	50	1,00
SFK-16-50I		M16	28,0	40,0	16,0	18,0	11,0	1,8	50	1,10
SFK-6-70I	70 mm²	M6	22,0	38,0	18,0	22,0	13,0	2,0	100	2,70
SFK-8-70I		M8	22,0	38,0	18,0	22,0	13,0	2,0	100	2,60
SFK-10-70I		M10	22,0	38,0	18,0	22,0	13,0	2,0	100	2,60
SFK-12-70I		M12	22,0	38,0	18,0	22,0	13,0	2,0	100	2,50
SFK-16-70I		M16	28,0	42,0	18,0	22,0	13,0	2,0	50	1,40
SFK-8-95I	95 mm²	M8	24,0	42,0	20,0	24,0	15,0	2,5	50	2,00
SFK-10-95I		M10	24,0	42,0	20,0	24,0	15,0	2,5	50	2,00
SFK-12-95I		M12	24,0	42,0	20,0	24,0	15,0	2,5	50	2,00
SFK-16-95I		M16	28,0	44,0	20,0	24,0	15,0	2,5	25	1,10
SFK-8-120I	120 mm²	M8	24,0	44,0	22,0	24,0	16,5	3,0	25	1,50
SFK-10-120I		M10	24,0	44,0	22,0	24,0	16,5	3,0	25	1,40
SFK-12-120I		M12	24,0	44,0	22,0	24,0	16,5	3,0	25	1,40
SFK-16-120I		M16	28,0	48,0	22,0	24,0	16,5	3,0	25	1,50
SFK-10-150I	150 mm²	M10	30,0	50,0	24,0	30,0	19,0	3,2	25	2,10
SFK-12-150I		M12	30,0	50,0	24,0	30,0	19,0	3,2	25	2,00
SFK-16-150I		M16	30,0	50,0	24,0	30,0	19,0	3,2	25	2,00
SFK-12-185I	185 mm²	M12	36,0	50,0	28,0	33,0	21,0	3,5	25	2,70
SFK-16-185I		M16	36,0	50,0	28,0	33,0	21,0	3,5	25	2,10
SFK-12-240I	240 mm²	M12	38,0	56,0	32,0	38,0	23,5	4,0	20	3,00
SFK-16-240I		M16	38,0	56,0	32,0	38,0	23,5	4,0	10	1,50

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



DIN 48201 ALUMINUM Cable Lugs



Features

- Tube dimensions are according to DIN 48201
- The lugs are marked for correct crimping
- These lugs must be crimped Al series dies

Material : E-Al
Surface Treatment : Tin, bright

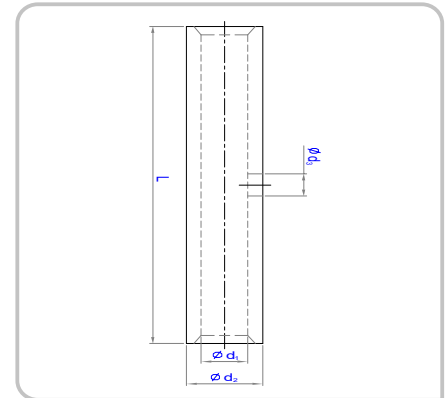
Product Code	Cross-Section mm ²	Bolt Ø	Dimensions (mm)								Package Amount
			a	b	c1	c2	d1	d	d2	l1	
AL 01608	16 mm ²	M8	35.4	18	9,5	11,5	5,8	8,5	9,7	52	200
AL 01610		M10	35,4	18	9,5	11,5	5,8	10,5	9,7	52	200
AL 02508	25 mm ²	M8	42.3	18	9,5	11,5	6,8	8,5	11,4	60	100
AL 02510		M10	42,3	18	9,5	11,5	6,8	10,5	11,4	60	100
AL 03510	35 mm ²	M10	46.3	21	11,5	13,5	8	10,5	13,9	67	60
AL 03512		M12	46,3	21	11,5	13,5	8	13	13,9	67	60
AL 05010	50 mm ²	M10	50	25	11,5	13,5	9,8	10,5	16,4	72	50
AL 05012		M12	50	25	11,5	13,5	9,8	13	16,4	72	50
AL 07010	70 mm ²	M10	60.7	28	13	15	11,2	10,5	18,4	86	30
AL 07012		M12	60,7	28	13	15	11,2	13	18,4	86	30
AL 09510	95 mm ²	M10	59.8	32	16,5	18,5	13,2	10,5	21,2	90	25
AL 09512		M12	59,8	32	16,5	18,5	13,2	13	21,2	90	25
AL 09516		M16	59,8	34	16,5	18,5	13,2	17	21,2	90	25
AL 12012	120 mm ²	M12	59,7	32	16,5	18,5	14,7	13	23,5	91	20
AL 12016		M16	59,7	34	16,5	18,5	14,7	17	23,5	91	20
AL 15012	150 mm ²	M12	68,2	35	19	21	16,3	13	25,5	103	15
AL 15016		M16	68,2	35	19	21	16,3	17	25,5	103	15
AL 15020		M20	68,2	40	19	21	16,3	21	25,5	103	15
AL 18512	185 mm ²	M12	69,6	40	19	21	18,3	13	29	106	12
AL 18516		M16	69,6	40	19	21	18,3	17	29	106	12
AL 18520		M20	69,6	40	19	21	18,3	21	29	106	12
AL 24012	240 mm ²	M12	76,9	45	20	22	21	13	32	116	8
AL 24016		M16	76,9	45	20	22	21	17	32	116	8
AL 24020		M20	76,9	45	20	22	21	21	32	116	8
AL 30016	300 mm ²	M16	82	49	20	22	23,3	17	38,5	124	6
AL 30020		M20	82	49	20	22	23,3	21	38,5	124	6
AL 40016	400 mm ²	M16	118,2	58	23	25	26	17	42	165	4
AL 40020		M20	118,2	58	23	25	26	21	42	165	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 mm ²	Dimensions (mm)			Package Amount
		d1	d2	l	
AL EM016	16 mm²	5,8	9,7	61,5	200
AL EM025	25 mm²	6,8	11,4	69,5	150
AL EM035	35 mm²	8,0	13,9	78,5	80
AL EM050	50 mm²	9,8	16,4	83,5	50
AL EM070	70 mm²	11,2	18,4	99	40
AL EM095	95 mm²	13,2	21,2	106,5	30
AL EM120	120 mm²	14,7	23,5	107,5	25
AL EM150	150 mm²	16,3	25,5	122	15
AL EM185	185 mm²	18,3	29	125	12
AL EM240	240 mm²	21,0	32	136	8
AL EM300	300 mm²	23,3	38,5	144	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.



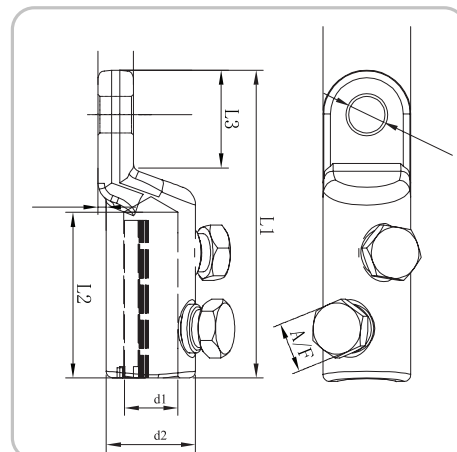
Aluminum Bolted Lugs - Medium Voltage - 35 kV



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 : AIS 99.5%
Surface Treatment : Electro Tin Plated



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

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



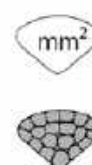
AL Conductor RM



AL Conductor SM



Cu Conductor RM



Cu Conductor SM

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



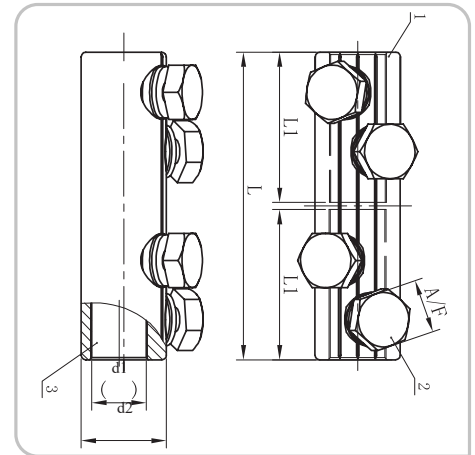
Aluminum Bolted Low Voltage Butt-Connector - 1kV



Features

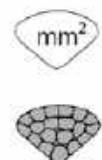
- There is no need for crimping tools or skilled operators
- Only a socket spanner or a wrench is needed
- Torque controlled sheared off bolts guarantee a good electrical contact
- Large application range

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



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

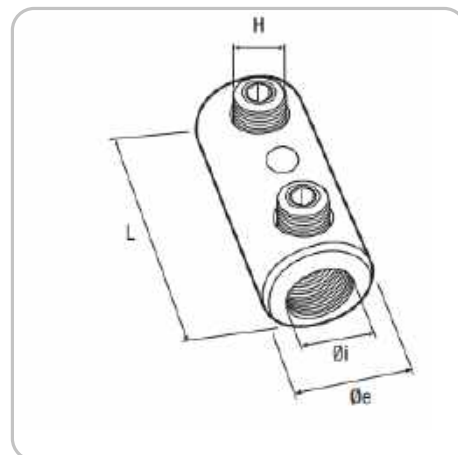
* Our company reserves the right of changing the dimension of the products without any prior notification.



Product Code	AL Conductor RM	AL Conductor SM	Cu Conductor RM	Cu Conductor SM
AL-VEMA-10-35/2	10-35	10-25	10-25	10-25
AL-VEMA-25-50/2	25-50	25-35	25-35	25-35
AL-VEMA-50-95/2	50-95	50-70	50-70	50-70
AL-VEMA-120-185/2	120-185	120-150	120-150	120-150
AL-VEMA-240-300/4	240-300	240	240	240



Bolted Splices for Copper and Aluminium Cables (1kV) - Cable Lugs



Features

- Body: tin-plated aluminium alloy
- Steel bolts.
- Inspection hole in the middle of the connector body
- 2 hexagon socket threads.
- LV (0.6-1 kV) joints for copper and aluminium cables.*

*In dry atmosphere

Copper or aluminium conductor section (mm²)

Product Code	Rm	Sm	Re	Se	Ø i	Ø e	L	H
MT06-25TN	6-25		6-35		7,2	14	40	M8
MT10-70TN	10-70	35-70	10-70	50-70	12,5	22	57	M12
MT16-95TN	16-95	35-70	16-50	50-70	14,4	25	55	M12

Rm: Round stranded

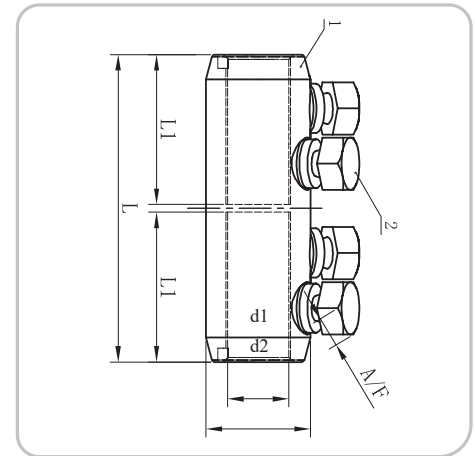
Sm: Sectorial stranded and prerounded

Re: Round solid

Se: Sectorial solid and prerounded



Aluminum Bolted Medium Voltage Butt-Connector - 35kV



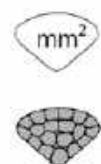
Features

- 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 (mm ²)	d1	d2	L	L1	A/F	Bolt Qty	Package Amount	Box Amount
AL-VEMO-10-35/2	10-35	8.3	19	45	21	9	2	60	240
AL-VEMO-25-95/2	25-95	13.3	24	70	33.5	13	2	40	160
AL-VEMO-35-150/2	35-150	16	28	80	38.5	17	2	35	140
AL-VEMO-70-240/4	70-240	20	33	125	61	19	4	15	60
AL-VEMO-120-300/4	120-300	24	38	140	68	22	4	10	40
AL-VEMO-185-400/6	185-400	26	42	160	78	22	6	9	36

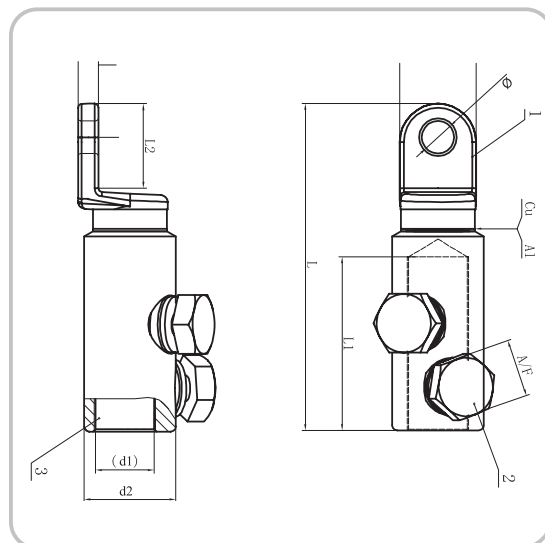
* Our company reserves the right of changing the dimension of the products without any prior notification.



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-185-400/6	185-400	185-300	185-400	185-300



Bi-metal Bolted Cable Lugs Low Voltage - 1kV

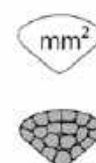


Features

- 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	Conductor Size (mm ²)	d1	d2	l1	l2	l3	A/F	Bolt Qty	Torque Value (Nm)	Package Amount	Box Amount
SFK-BVA-10-35-8/1	10-35	8	16	58	20	18	9	1	8.5	125	500
SFK-BVA-10-35-10/1	10-35	8	16	58	20	18	9	1	8.5	125	500
SFK-BVA-50-95-8/1	50-95	13.5	22	72	30	22	13	1	20	70	280
SFK-BVA-50-95-10/1	50-95	13.5	22	72	30	22	13	1	20	70	280
SFK-BVA-120-185-10/1	120-185	17	30	88	38	28	17	1	38	35	140
SFK-BVA-120-185-12/1	120-185	17	30	88	38	28	17	1	38	35	140
SFK-BVA-240-300-10/2	240-300	24	36	128	68	33	22	2	53	16	64
SFK-BVA-240-300-12/2	240-300	24	36	128	68	33	22	2	53	16	64

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



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



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

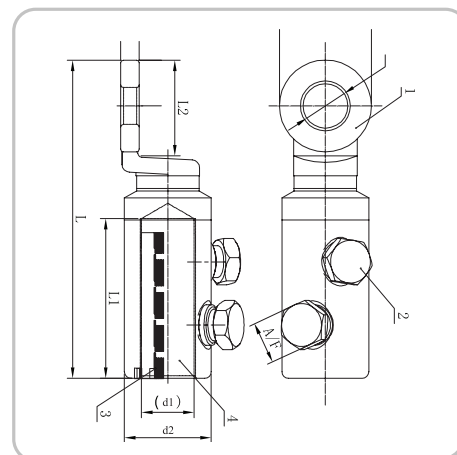


Features

- 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

Material : 99.9 Copper, high strength aluminum alloy

Application : Medium voltage



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

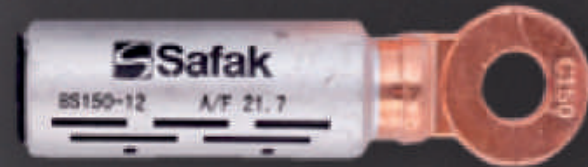
* Our company reserves the right of changing the dimension of the products without any prior notification.



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



BI-METAL CABLE LUGS





Bi-metal (CU / AL) Cable Lugs



Features

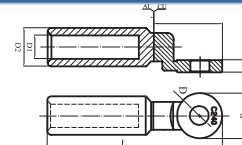
- The lugs are marked for correct crimping

Material

Surface Treatment

: E-Cu; Al-99.6%.

: Bright



Product Code	Dimensions (mm)					Package Amount
	d	d1	d2	l	b	
BS 01008	8,4	5.6	16	79	20	70
BS 01608	8,4	5.6	16	79	20	70
BS 01610	10,5	5.6	16	79	20	70
BS 01612	12,8	5.6	16	79	20	70
BS 02508	8,4	6.4	16	79	20	70
BS 02510	10,5	6.4	16	79	20	70
BS 02512	12,8	6.4	16	79	20	70
BS 03508	8,4	8.5	16	79	20	70
BS 03510	10,5	8.5	16	79	20	70
BS 03512	12,8	8.5	16	79	20	70
BS 05008	8,4	9.4	20	88	24	48
BS 05010	10,5	9.4	20	88	24	48
BS 05012	12,8	9.4	20	88	24	48
BS 07008	8,4	10.9	20	88	25	48
BS 07010	10,5	10.9	20	88	25	48
BS 07012	12,8	10.9	20	88	25	48
BS 09508	8,4	12.4	20	88	25	48
BS 09510	10,5	12.4	20	88	25	48
BS 09512	12,8	12.4	20	88	25	48
BS 12008	8,4	13.7	25	110	30	20
BS 12010	10,5	13.7	25	110	30	20
BS 12012	12,8	13.7	25	110	30	20
BS 15008	8,4	15.5	25	110	30	20
BS 15010	10,5	15.5	25	110	30	20
BS 15012	12,8	15.5	25	110	30	20
BS 18508	8,4	17	32	117	35	15
BS 18510	10,5	17	32	117	35	15
BS 18512	12,8	17	32	117	35	15
BS 24010	10,5	19.5	32	117	35	15
BS 24012	12,8	19.5	32	117	35	15
BS 24016	17	19.5	32	117	35	15
BS 30010	10,5	23.2	40	155,5	36	6
BS 30012	12,8	23.2	40	155,5	36	6
BS 30016	17	23.2	40	155,5	36	6
BS 40010	10,5	26	40	155,5	36	6
BS 40012	12,8	26	40	155,5	36	6
BS 40016	17	26	40	155,5	36	6
BS 50010	10,5	29	47	193	60	-
BS 50012	12,8	29	47	193	60	-
BS 50016	17	29	47	193	60	-
BS 63012	12,8	32,5	47	193	60	-
BS 63016	17	32,5	47	193	60	-
BS 80016	17	37.8	60	260	80	-
BS 100016	17	42	60	260	80	-

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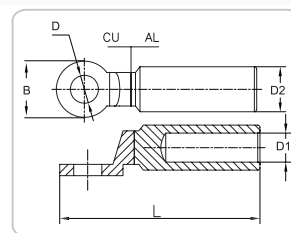
BS2 Bi-Metal (CU/AL) Cable Lugs



Features

- The lugs are marked for correct crimping

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



Product Code	Dimension (mm)					Package Amount(pcs)
	D ±0.2	D1 ±0.2	D2 ± 2	L ± 2	B ±0.2	
BS2 01008	8	5,6	16	79	20	70
BS2 01608	8	6	16	82	24	70
BS2 01610	10	6	16	82	24	70
BS2 01612	12	6	16	82	24	70
BS2 02508	8	7	16	82	24	70
BS2 02510	10	7	16	82	24	70
BS2 02512	12	7	16	82	24	70
BS2 03508	8	8	16	82	24	70
BS2 03510	10	8	16	82	24	70
BS2 03512	12	8	16	82	24	70
BS2 05008	8	9,8	20	90	25	48
BS2 05010	10	9,8	20	90	25	48
BS2 05012	12	9,8	20	90	25	48
BS2 07008	8	11,6	20	90	25	48
BS2 07010	10	11,6	20	90	25	48
BS2 07012	12	11,6	20	90	25	48
BS2 09508	8	13,8	20	90	25	48
BS2 09510	10	13,8	20	90	25	48
BS2 09512	12	13,8	20	90	25	48
BS2 12008	8	15,5	25	113	28	20
BS2 12010	10	15,5	25	113	28	20
BS2 12012	12	15,5	25	113	28	20
BS2 15008	8	17	25	113	28	20
BS2 15010	10	17	25	113	28	20
BS2 15012	12	17	25	113	28	20
BS2 18508	8	18,5	32	130	35	15
BS2 18510	10	18,5	32	130	35	15
BS2 18512	12	18,5	32	130	35	15
BS2 24010	10	21,5	32	130	35	15
BS2 24012	12	21,5	32	130	35	15
BS2 24016	16	21,5	32	130	35	15
BS2 30010	10	24	34	135	36	6
BS2 30012	16	24	34	135	36	6
BS2 30016	12	24	34	135	36	6
BS2 40010	10	26	34	135	36	6
BS2 40012	12	26	34	135	36	6
BS2 40016	16	26	34	135	36	6
BS2 50010	10	29,5	40	160	36	-
BS2 50012	12	29,5	40	160	36	-
BS2 50016	16	29,5	40	160	36	-

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Bi-metal (CU / AL) Butt-Connector

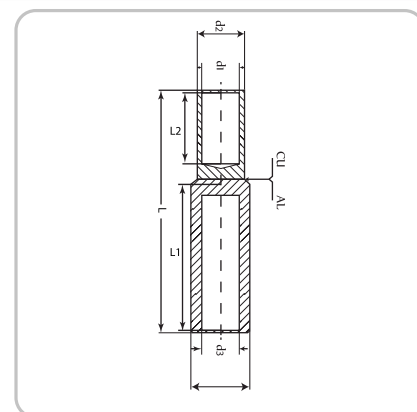


Features

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

Material : Cu S 99.9%, Al S 99.5%

Application : Medium Voltage



Product Code	Dimension (mm)							Package Amount (pcs)	Package Weight (~kg)
	L (mm)	L1 (mm)	L2 (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)		
AL16/CU10	66,5	47,5	13	4,4	6	5,6	12	100	2,88
AL16/CU16	66,5	47,5	13	5,5	8,5	5,6	12	100	2,98
AL25/CU10	66,5	47,5	13	4,4	6	6,8	12	100	2,94
AL25/CU16	72,5	47,5	20	5,5	8,5	6,8	12	100	3,54
AL25/CU25	72,5	47,5	20	7	10	6,8	12	100	3,68
AL35/CU16	72,5	47,5	20	5,5	8,5	8	14	80	2,68
AL35/CU25	72,5	47,5	20	7	10	8	14	80	2,77
AL35/CU35	72,5	47,5	20	8,2	12,2	8	14	80	2,86
AL50/CU25	75	47,5	20	7	10	9,8	16	50	2,58
AL50/CU35	75	47,5	20	8,2	12,2	9,8	16	50	2,82
AL50/CU50	75	47,5	20	10	14,5	9,8	16	50	2,95
AL70/CU35	75	47,5	20	8,2	12,2	11,2	18,5	50	2,67
AL70/CU50	81	47,5	26	10	14,5	11,2	18,5	50	3,12
AL70/CU70	83	47,5	27	11,5	16,5	11,2	18,5	30	2,31
AL95/CU50	81	47,5	26	10	14,5	13,2	22	45	2,78
AL95/CU70	83	47,5	27	11,5	16,5	13,2	22	45	3,09
AL95/CU95	83	47,5	27	13,5	19	13,2	22	35	3,25
AL120/CU70	99	64	27	11,5	16,5	14,7	23	40	4,42
AL120/CU95	107	64	35	13,5	19	14,7	23	40	5,30
AL120/CU120	107	64	35	15,5	21	14,7	23	40	5,55
AL150/CU95	107	64	35	13,5	19	16,3	25	40	5,18
AL150/CU120	107	64	35	15,5	21	16,3	25	40	5,39
AL150/CU150	107	64	40	17	23,5	16,3	25	40	6,50
AL185/CU120	107	64	35	15,5	21	18,3	28,5	25	4,75
AL185/CU150	112	64	40	17	23,5	18,3	28,5	25	5,42
AL185/CU185	112	64	40	19	25,5	18,3	28,5	25	5,82
AL240/CU150	112	64	40	17	23,5	21	32	25	5,14
AL240/CU185	115	64	42,5	19	25,5	21	32	25	5,60
AL240/CU240	116	64	43	21,5	29	21	32	25	6,54
AL300/CU185	152,5	101	42,5	19	25,5	23,3	34	48	5,09
AL300/CU240	153,5	101	43	21,5	29	23,3	34	48	5,09
AL300/CU300	159,5	101	49	24,5	32	23,3	34	48	5,55
AL400/CU300	159,5	101	49	24,5	32	23,3	34	48	5,55

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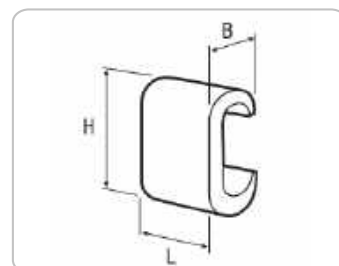
Compression Tap-off Copper Connectors Type C Clamp

NEW

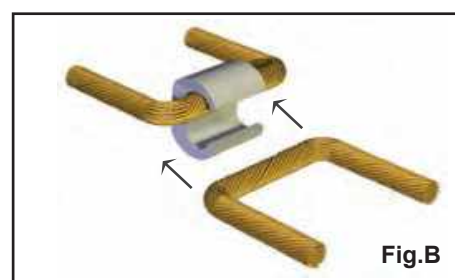
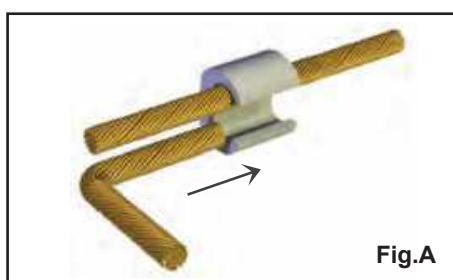
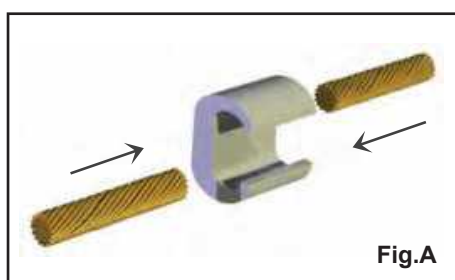


Features

- Crimping tap made of pure electrolytic copper with a «C» shape enabling joints and taps of Cu-Cu for overhead and grounding connections without cutting the main cable.

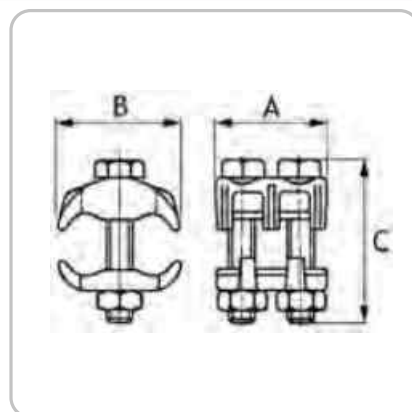


Product Code							Capacities				Mounting	Package Amount(pcs)
							Min.	Max.	1	2		
Copper	Tin-Plated Copper	L	H	B	Min.	Max	1	2	1	2		
C6	C6E	9	10	6,4	3	12	1,5	1,5	6	6	A	100
C10	C10E	12	12,5	8,5	13	20	10	2x1,5	10	10	A	100
C16	C16E	17	19	11,5	19	32	10 16	9 2x1,5	16	16	A+B	100
C25-10	C25-10E	17	19,8	13	17	35	16	1,5	25	10	A	100
C25PM	C25PME	19	21	11,9	35	41	25	10	25	16	A+B	50
C25	C25E	20	24,3	15	33	56	25 27 30	10 6 2x1,5	29,3 35 30	29,3 16 16	A A+B A+B	50
C35	C35E	20	26,5	15	53	70	30 50	25 2x1,5	35 50	35 16	A+B A+B	50
C50	C50E	20	26,5	17,2	66	100	50 63	16 2x1,5	50 70 75	50 30 25	A A A	50
C70-35	C70-35E	28	33	21	54	110	50	4	70	40	A	25
C70	C70E	28	34	21	85	140	50	35	70	70	A	25
C75	C75E	30	41	26	105	170	75 70 90	30 35 16	95 95	75 70	A+B A+B	25
C95-35	C95-35E	30	41	26	99	140	95	4	100	40	A	25
C95	C95E	30	41	26	150	190	75	75	95	95	A	25
C120	C120E	30	45	28	156	240	120 150	35 6	120 150	120 50	A A	25
C150	C150E	30	45	28	225	300	150	75	150	150	A+B	10
C185-95	C185-95E	30	45	28	260	300	185	75			A+B	10
C185	C185E	35	54	33	210	370	115 150	95 60	185 185	185 150	A+B A+B	10
C240	C240E	40	54	33,5	387	480	240	147	240	240	A	10
C240-120	C240-120E	23	68	34	245	360	150	95	240	120	A	10





Clamp Connectors Swivelling Connecting Clamps *Clamp*



Features

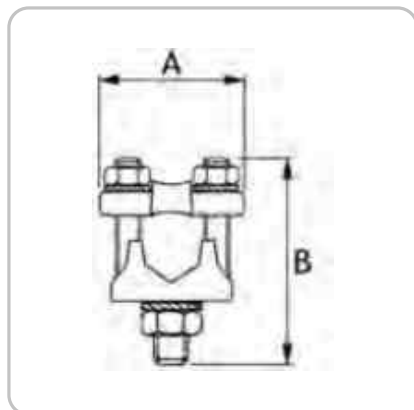
- On request, clamp connectors can be fitted with bronze screws.

Clamp Connectors

Product Code	Cross Section mm ²	Bolts Ø	A	B	C	Package Amount (pcs)
RG2-16	4-16	2xM5	21	19	29	50
RG2-16B	4-16	2xM5	21	19	29	50
RG1-25	4-30	1xM6	18	22	24	50
RG1-25B	4-30	1xM6	18	22	24	50
RG2-35	4-35	2xM5	24	24	29	25
RG2-35B	4-35	2xM5	24	24	29	25
RG2-50	4-50	2xM6	28	29	34	25
RG2-50B	4-50	2xM6	28	29	34	25
RG2-95	16-95	2xM8	36	39	46	10
RG2-95B	16-95	2xM8	36	39	46	10
RG2-150	30-150	2xM8	37	48	51	10
RG2-150B	30-150	2xM8	37	48	51	10



Swiveling Connecting Clamp



Product Code	Cross Section mm ²	Bolts Ø	A	B	C	Package Amount (pcs)
PO95	10-95	2xM6	160	33	50	6
PO150	16-150	2xM8	250	45	64	6
PO240	35-240	2xM10	400	50	78	3

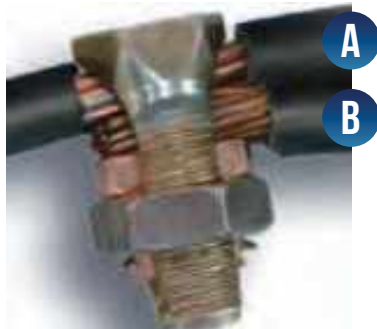
U Clamps Clamp



Product Code	Description	Package Amount (pcs)
U-6	6 mm ² Cable Terminal	300
U-10	10 mm ² Cable Terminal	250
U-16	16 mm ² Cable Terminal	125
U-25	25 mm ² Cable Terminal	100
U-35	35 mm ² Cable Terminal	100
U-50	50 mm ² Cable Terminal	50
U-70	70 mm ² Cable Terminal	40



Tap-off Connectors for Copper Conductors *Connector*



**KS
SERIES**

Features

- Tap-off connectors with split-bolt. High Electrical and mechanical characteristics with screw stamped that allows its application of high torque.
- High strenght Cu alloy.
- Special Cu alloy corrosion and crack resistant.
- Application: Joints and taps of Cu/Cu cables.

Product Code	Cable A		Cable B		Torque Moment
	mm ²	Ømm	mm ²	Ømm	Nm
KS90	4 - 6	2,3 - 3,0	1,5 - 6	1,5 - 3,0	10
KS15	6 - 10	3,0 - 4,0	2,5 - 10	1,8 - 3,8	10
KS17	10 - 10	3,8 - 4,7	2,5 - 10	1,8 - 4,7	20
KS20	10 - 16	3,8 - 5,2	2,5 - 16	1,8 - 5,2	20
KS22	16 - 25	5,1 - 6,3	2,5 - 25	1,8 - 6,3	30
KS23	16 - 35	5,3 - 8,6	2,5 - 35	1,8 - 8,6	30
KS25	25 - 50	6,2 - 9,3	2,5 - 50	1,8 - 9,3	45
KS26	35 - 70	7,4 - 10,6	2,5 - 70	1,8 - 10,6	45
KS27	50 - 95	8,3 - 12,5	10 - 95	3,7 - 12,5	60
KS29	50 - 120	8,8 - 15,2	10 - 120	3,7 - 15,2	75
KS31	70 - 185	9,5 - 18,0	70 - 185	9,3 - 18,0	75
KS34	70 - 240	10,3 - 20,6	70 - 240	10,5 - 20,6	95
KS39	120 - 300	13,3 - 25,3	120 - 300	13,3 - 25,3	115
KS44	185 - 500	16,0 - 29,2	120 - 500	16,0 - 29,2	125



Tap-off Connectors for Copper Aluminium Conductors *Connector*



Features

- Tap-off connectors with split-bolt. High Electrical and mechanical characteristics with screw stamped that allows its application of high torque.
- High strenght Cu alloy.
- Special Cu alloy corrosion and crack resistant.
- Tin Plated.
- Application: Joints and taps of Cu/Cu, Cu/Al and Al/Al.

Product Code	Cable A		Cable B		Torque Moment
	mm ²	Ømm	mm ²	Ømm	Nm
KSU17	4 - 10	2,3 - 4,0	4.Eki	2,3 - 4,0	20
KSU20	6 - 16	2,3 - 5,2	6 - 16	2,3 - 5,2	20
KSU22	6 - 25	2,3 - 6,3	6 - 25	2,3 - 6,3	30
KSU23	10 - 35	3,7 - 8,0	10 - 35	3,7 - 8,0	30
KSU25	35 - 50	7,4 - 9,4	6 - 50	6,0 - 9,4	45
KSU26	35 - 70	7,4 - 11,1	10 - 70	3,7 - 11,1	45
KSU27	50 - 95	8,8 - 12,5	10 - 95	3,7 - 12,5	60
KSU29	50 - 120	8,8 - 15,2	10 - 120	3,7 - 15,2	75
KSU31	50 - 185	9,0 - 18,0	25 - 185	6,3 - 18,0	75
KSU34	185 - 240	17,5 - 20,6	35 - 240	7,4 - 20,6	95

CONNECTORS



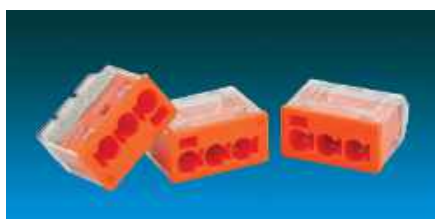
Push-In Type Connector Cable Lug



Current Voltage	: 24A
Conductor Type	: 450V
Conductor Cross Section	: Single Core Rigid
Operating Temp	: 1,0-2,5 mm ²
Body	: -30°C / +110°C
Feature	: PC
Apply to	: Halogen free and flame retardant
	: Key safes, Distribution boxes, Electrical panels, Lighting fixtures, Security systems, Prefabricated cabling systems

Product Code	Conductive Section	Colour	Number of Entries	Package Amount
BIY1252	1,0-2,5 mm ²	Red	2	100
BIY1253	1,0-2,5 mm ²	Orange	3	100
BIY1254	1,0-2,5 mm ²	Yellow	4	100
BIY1255	1,0-2,5 mm ²	Grey	5	100
BIY1258	1,0-2,5 mm ²	Black	8	100

Type Connectors



Current	: 32A
Voltage	: 450V
Conductor Type	: Single and Multi Core
Conductor Cross Section	: 1,0-4,0 mm ²
Operating Temperature	: -30°C / +110°C
Body	: (PC) ve (PA)
Feature	: Halogen free and flame retardant

Product Code	Conductive Section	Colour	Number of Entries	Package Amount
BIY140	1,0-4,0 mm ²	Red	2	100

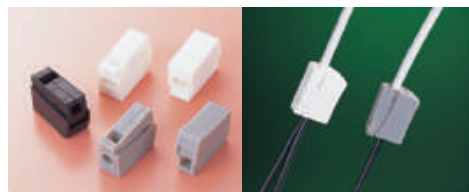
Compact Splicing Connector (Thick Lever)



Current	: 32A
Voltage	: 450V
Conductor Type	: Single and Multi Core
Conductor Cross Section	: 0,14-4,0 mm ²
Operating Temperature	: -30°C / +110°C
Body	: (PC) ve (PA)
Feature	: Halogen free and flame retardant

Product Code	Conductive Section	Number of Entries	Package Amount
BIY1442	0,14-4,0 mm ²	2	100
BIY1443	0,14-4,0 mm ²	3	100
BIY1445	0,14-4,0 mm ²	5	100

Lighting Connectors



Current	: 24A
Voltage	: 450V
Conductor Type	: Single and Multi Core
Conductor Cross Section	: 0,75-2,5 mm ²
Operating Temperature	: -30°C / +110°C
Body	: Poliamid (PA)
Feature	: Halogen free and flame retardant

Product Code	Conductive Section	Colour	Package Amount
BIY75251	0,75-2,5 mm ²	White	500
BIY75252	0,75-2,5 mm ²	Grey	500



Screw-On Wire Connectors



Square Section Spring
Operating Temperature : -15°C / +105°C
Body : (PA)
Feature : Halogen free and flame retardant

Product Code	Conductive Section	Voltage	Colour	Package Amount
YK0652	0,65-2,62 mm ²	300V	Grey	1000
YK0653	0,65-3,93 mm ²	300V	Blue	1000
YK1356	1,34-5,76 mm ²	600V	Orange	500
YK069	0,64-9,14 mm ²	600V	Yellow	500
YK417	4,16-17,14mm ²	600V	Red	500

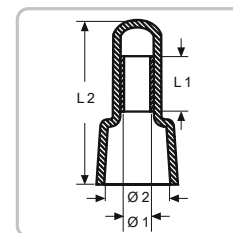
Winged Wire Connectors



Square Section Spring
Operating Temperature : -15°C / +105°C
Body : (PA)
Feature : Halogen free and flame retardant

Product Code	Conductive Section	Voltage	Colour	Package Amount
KYK169	1,64-9,93 mm ²	600V	Yellow	500
KYK069	0,65-9,93 mm ²	600V	Beige	500
KYK16211	1,64-21,00 mm ²	600V	Red	500
KYK16212	1,64-21,00 mm ²	600V	Grey	250
KYK929	9,93-29,90 mm ²	600V	Blue	100

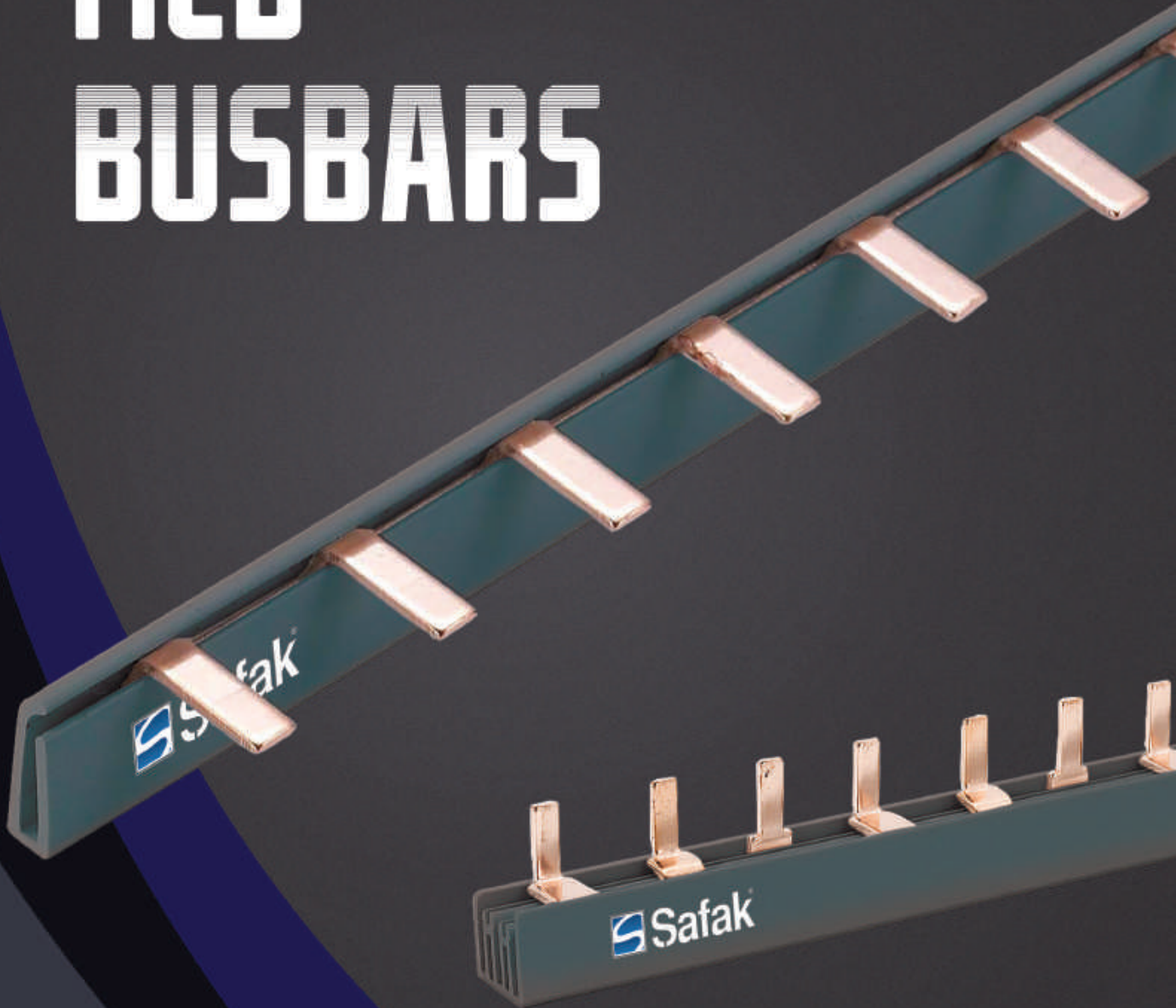
Plastic Sleeve - Small



Product Code	Dimension (mm)				Colour	Package Amount (pcs)
	L1	L2	Ø 1	Ø 2		
TA-10727	7,5	20,0	3,0	7,8	White	100
TA-10732	8,5	20,3	3,8	10,5	White	100



MCB BUSBARS





Safak Series - MCB Busbars



Features

Material : Black PVC
PVC Thickness : 0,8mm



Product Code	Copper Thickness	Length	Module	Amperage	Type	Package Amount
S-MBR-153	1 mm	53 cm	30 for Automat	80 A	Mono Phase Busbar - 1P	100
S-MBR-1106	1 mm	106 cm	56 for Automat	80 A	Mono Phase Busbar - 1P	100
Product Code	Copper Thickness	Length	Module	Amperage	Type	Package Amount
S-MBR-1553	1,5 mm	53 cm	30 for Automat	100 A	Mono Phase Busbar - 1P	100
S-MBR-15106	1,5 mm	106 cm	56 for Automat	100 A	Mono Phase Busbar - 1P	100
Product Code	Copper Thickness	Length	Module	Amperage	Type	Package Amount
S-TBR-122	1 mm	22 cm	4 for Group	80 A	Three Phase Busbar - 3P	25
S-TBR-133	1 mm	33 cm	6 for Group	80 A	Three Phase Busbar - 3P	25
S-TBR-144	1 mm	44 cm	8 for Group	80 A	Three Phase Busbar - 3P	25
S-TBR-153	1 mm	53 cm	10 for Group	80 A	Three Phase Busbar - 3P	25
S-TBR-1106	1 mm	106 cm	19 for Group	80 A	Three Phase Busbar - 3P	25
Product Code	Copper Thickness	Length	Module	Amperage	Type	Package Amount
S-TBR-1522	1,5 mm	22 cm	4 for Group	100 A	Three Phase Busbar - 3P	10
S-TBR-1533	1,5 mm	33 cm	6 for Group	100 A	Three Phase Busbar - 3P	10
S-TBR-1544	1,5 mm	44 cm	8 for Group	100 A	Three Phase Busbar - 3P	10
S-TBR-1553	1,5 mm	53 cm	10 for Group	100 A	Three Phase Busbar - 3P	25
S-TBR-15106	1,5 mm	106 cm	19 for Group	100 A	Three Phase Busbar - 3P	25
S-TBR-KAP					Busbar end cap	100

Neutral Busbar



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

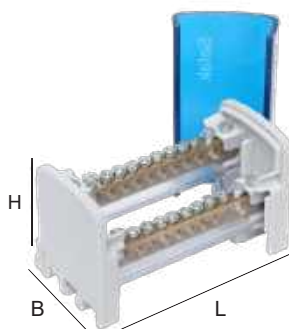


Distribution Blocks



1 Pole Distribution Blocks 125A – Without Cover

Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-105	Terminal Blocks 2+5	67	40	40			2x8,5	5x5,5	50
SFK-DNT-108	Terminal Blocks 2+8	89	40	40			2x8,5	8x5,5	40
SFK-DNT-110	Terminal Blocks 2+10	104	40	40			2x8,5	10x5,5	30
SFK-DNT-113	Terminal Blocks 2+13	126	40	40	Ø5,5 2,5-6 mm ²	Ø5,5 1,5-6 mm ²	2x8,5	13x5,5	30
SFK-DNT-118	Terminal Blocks 2+18	170	40	40	Ø8,5 10-25 mm ²	Ø8,5 10-16 mm ²	2x8,5	18x5,5	20
SFK-DNT-120	Terminal Blocks 2+20	178	40	40			2x8,5	20x5,5	20
SFK-DNT-123	Terminal Blocks 2+23	201	40	40			2x8,5	23x5,5	20



2 Pole Distribution Blocks 80A

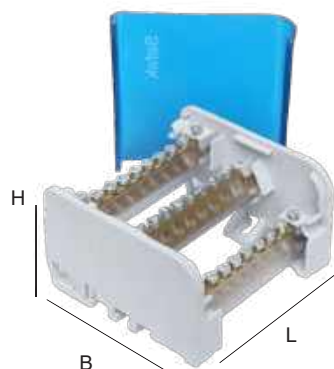
Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-205/80	Terminal Blocks 2+5	72	55	45			2x5,5	5x4,5	30
SFK-DNT-208/80	Terminal Blocks 2+8	86	55	45			2x5,5	8x4,5	25
SFK-DNT-210/80	Terminal Blocks 2+10	107	55	45			2x5,5	10x4,5	25
SFK-DNT-213/80	Terminal Blocks 2+13	114	55	45	Ø4,5 0,75-6 mm ²	Ø4,5 1,5-6 mm ²	2x5,5	13x4,5	25
SFK-DNT-218/80	Terminal Blocks 2+18	143	55	45	Ø5,5 1,5-10 mm ²	Ø5,5 2,5-6 mm ²	2x5,5	18x4,5	12
SFK-DNT-220/80	Terminal Blocks 2+20	155	55	45			2x5,5	20x4,5	12
SFK-DNT-223/80	Terminal Blocks 2+23	170	55	45			2x5,5	23x4,5	12

2 Pole Distribution Blocks 125A

Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-205/125	Terminal Blocks 2+5	67	55	45			2x8,5	5x5,5	30
SFK-DNT-208/125	Terminal Blocks 2+8	89	55	45			2x8,5	8x5,5	25
SFK-DNT-210/125	Terminal Blocks 2+10	104	55	45			2x8,5	10x5,5	25
SFK-DNT-213/125	Terminal Blocks 2+13	126	55	45	Ø5,5 2,5-6 mm ²	Ø5,5 1,5-6 mm ²	2x8,5	13x5,5	25
SFK-DNT-218/125	Terminal Blocks 2+18	170	55	45	Ø8,5 10-25 mm ²	Ø8,5 10-16 mm ²	2x8,5	18x5,5	12
SFK-DNT-220/125	Terminal Blocks 2+20	178	55	45			2x8,5	20x5,5	12
SFK-DNT-223/125	Terminal Blocks 2+23	201	55	45			2x8,5	23x5,5	12



Distribution Blocks



3 Pole Distribution Blocks 80A

Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-305/80	Terminal Blocks 2+5	72	55	85			2x5,5	5x4,5	15
SFK-DNT-308/80	Terminal Blocks 2+8	86	55	85			2x5,5	8x4,5	10
SFK-DNT-310/80	Terminal Blocks 2+10	107	55	85	Ø4,5	Ø4,5	2x5,5	10x4,5	10
SFK-DNT-313/80	Terminal Blocks 2+13	114	55	85	0,75-6 mm ² Ø5,5	1,5-6 mm ² Ø5,5	2x5,5	13x4,5	10
SFK-DNT-318/80	Terminal Blocks 2+18	143	55	85	1,5-10 mm ²	2,5-6 mm ²	2x5,5	18x4,5	6
SFK-DNT-320/80	Terminal Blocks 2+20	155	55	85			2x5,5	20x4,5	6
SFK-DNT-323/80	Terminal Blocks 2+23	170	55	85			2x5,5	23x4,5	6

3 Pole Distribution Blocks 125A

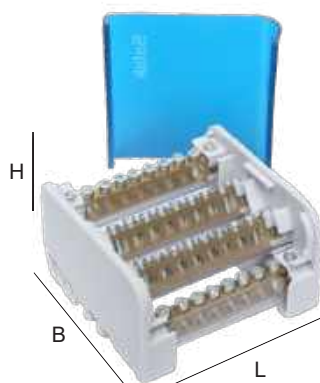
Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-305/125	Terminal Blocks 2+5	67	55	85			2x8,5	5x5,5	15
SFK-DNT-308/125	Terminal Blocks 2+8	89	55	85			2x8,5	8x5,5	10
SFK-DNT-310/125	Terminal Blocks 2+10	104	55	85	Ø5,5	Ø5,5	2x8,5	10x5,5	10
SFK-DNT-313/125	Terminal Blocks 2+13	126	55	85	2,5-6 mm ² Ø8,5	1,5-6 mm ² Ø8,5	2x8,5	13x5,5	10
SFK-DNT-318/125	Terminal Blocks 2+18	170	55	85	10-25 mm ²	10-16 mm ²	2x8,5	18x5,5	6
SFK-DNT-320/125	Terminal Blocks 2+20	178	55	85			2x8,5	20x5,5	6
SFK-DNT-323/125	Terminal Blocks 2+23	201	55	85			2x8,5	23x5,5	6

3 Pole Distribution Blocks 160A

Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-305/160	Terminal Blocks 2+5	110	70	132			2x9,5	5x7	15
SFK-DNT-308/160	Terminal Blocks 2+8	120	70	132			2x9,5	6x7	12
SFK-DNT-310/160	Terminal Blocks 2+10	155	70	132	Ø7	Ø7	2x9,5	10x7	12
SFK-DNT-313/160	Terminal Blocks 2+13	180	70	132	2,5-10 mm ² Ø9,5	1,5-10 mm ² Ø9,5	2x9,5	13x7	12
SFK-DNT-318/160	Terminal Blocks 2+18	220	70	132	10-50 mm ²	10-35 mm ²	2x9,5	18x7	6
SFK-DNT-320/160	Terminal Blocks 2+20	240	70	132			2x9,5	20x7	6
SFK-DNT-323/160	Terminal Blocks 2+23	260	70	132			2x9,5	23x7	6



Distribution Blocks



4 Pole Distribution Blocks 80A

Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-405/80	Terminal Blocks 2+5	72	55	85	 Ø4,5  0,75-6 mm ²  Ø5,5  1,5-10 mm ²	 Ø4,5  1,5-6 mm ²  Ø5,5  2,5-6 mm ²	2x5,5	5x4,5	15
SFK-DNT-408/80	Terminal Blocks 2+8	86	55	85			2x5,5	8x4,5	10
SFK-DNT-410/80	Terminal Blocks 2+10	107	55	85			2x5,5	10x4,5	10
SFK-DNT-413/80	Terminal Blocks 2+13	114	55	85			2x5,5	13x4,5	10
SFK-DNT-418/80	Terminal Blocks 2+18	143	55	85			2x5,5	18x4,5	6
SFK-DNT-420/80	Terminal Blocks 2+20	155	55	85			2x5,5	20x4,5	6
SFK-DNT-423/80	Terminal Blocks 2+23	170	55	85			2x5,5	23x4,5	6

4 Pole Distribution Blocks 125A

Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-405/125	Terminal Blocks 2+5	72	55	85	 Ø5,5  2,5-6 mm ²  Ø8,5  10-25 mm ²	 Ø5,5  1,5-6 mm ²  Ø8,5  10-16 mm ²	2x8,5	5x5,5	15
SFK-DNT-408/125	Terminal Blocks 2+8	86	55	85			2x8,5	8x5,5	10
SFK-DNT-410/125	Terminal Blocks 2+10	107	55	85			2x8,5	10x5,5	10
SFK-DNT-413/125	Terminal Blocks 2+13	114	55	85			2x8,5	13x5,5	10
SFK-DNT-418/125	Terminal Blocks 2+18	143	55	85			2x8,5	18x5,5	6
SFK-DNT-420/125	Terminal Blocks 2+20	155	55	85			2x8,5	20x5,5	6
SFK-DNT-423/125	Terminal Blocks 2+23	170	55	85			2x8,5	23x5,5	6

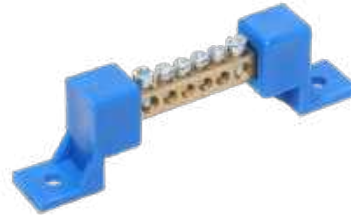
4 Pole Distribution Blocks 160A

Product Code	Type	L	H	B			øEntry	øExit	Package Amount (pcs)
SFK-DNT-405/160	Terminal Blocks 2+5	110	70	132	 Ø7  2,5-10 mm ²  Ø9,5  10-50 mm ²	 Ø7  1,5-10 mm ²  Ø9,5  10-35 mm ²	2x9,5	5x7	15
SFK-DNT-408/160	Terminal Blocks 2+8	120	70	132			2x9,5	6x7	12
SFK-DNT-410/160	Terminal Blocks 2+10	155	70	132			2x9,5	10x7	12
SFK-DNT-413/160	Terminal Blocks 2+13	180	70	132			2x9,5	13x7	12
SFK-DNT-418/160	Terminal Blocks 2+18	220	70	132			2x9,5	18x7	6
SFK-DNT-420/160	Terminal Blocks 2+20	240	70	132			2x9,5	20x7	6
SFK-DNT-423/160	Terminal Blocks 2+23	260	70	132			2x9,5	23x7	6



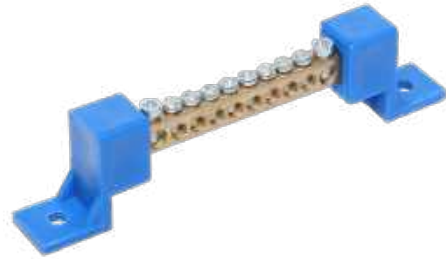
Footed Neutral Terminal Block 80 A.

Dimension (mm)			
Product Code	Type	Package Amount	Length
SFK-NK-08006	6 Terminal Blocks	125	59,00
SFK-NK-08007	7 Terminal Blocks	125	63,50
SFK-NK-08009	9 Terminal Blocks	100	75,00
SFK-NK-08010	10 Terminal Blocks	100	80,30
SFK-NK-08012	12 Terminal Blocks	100	92,00
SFK-NK-08015	15 Terminal Blocks	75	109,50
SFK-NK-08020	20 Terminal Blocks	50	138,00
SFK-NK-08022	22 Terminal Blocks	50	149,00
SFK-NK-08025	25 Terminal Blocks	50	166,00
SFK-NK-08030	30 Terminal Blocks	50	196,00
SFK-NK-08032	32 Terminal Blocks	50	207,00
SFK-NK-08042	42 Terminal Blocks	40	264,00
SFK-NK-08062	62 Terminal Blocks	30	378,00
SFK-NK-08082	82 Terminal Blocks	15	489,00



Footed Neutral Terminal Block 125 A.

Dimension (mm)			
Product Code	Type	Package Amount	Length
SFK-NK-12507	7 Terminal Blocks	125	71,50
SFK-NK-12509	9 Terminal Blocks	100	83,00
SFK-NK-12510	10 Terminal Blocks	100	90,00
SFK-NK-12512	12 Terminal Blocks	75	107,00
SFK-NK-12515	15 Terminal Blocks	50	125,50
SFK-NK-12520	20 Terminal Blocks	50	160,50
SFK-NK-12522	22 Terminal Blocks	50	176,30
SFK-NK-12525	25 Terminal Blocks	50	190,00
SFK-NK-12530	30 Terminal Blocks	50	229,00
SFK-NK-12532	32 Terminal Blocks	50	243,50
SFK-NK-12542	42 Terminal Blocks	40	315,00
SFK-NK-12562	62 Terminal Blocks	30	455,00
SFK-NK-12582	82 Terminal Blocks	15	595,00



Footed Neutral Terminal Block 160 A.

Dimension (mm)			
Product Code	Type	Package Amount	Length
SFK-NK-16012	12 Terminal Blocks	30	132,00
SFK-NK-16015	15 Terminal Blocks	30	158,50
SFK-NK-16022	22 Terminal Blocks	25	221,50
SFK-NK-16032	32 Terminal Blocks	25	311,50
SFK-NK-16042	42 Terminal Blocks	25	401,50





Non-Footed Neutral Terminal Block 80 A.

Product Code	Type	Package Amount
SFK-ATK-08006	6 Terminal Blocks	500
SFK-ATK-08007	7 Terminal Blocks	350
SFK-ATK-08009	9 Terminal Blocks	350
SFK-ATK-08010	10 Terminal Blocks	350
SFK-ATK-08012	12 Terminal Blocks	250
SFK-ATK-08015	15 Terminal Blocks	200
SFK-ATK-08020	20 Terminal Blocks	200
SFK-ATK-08022	22 Terminal Blocks	200
SFK-ATK-08025	25 Terminal Blocks	150
SFK-ATK-08030	30 Terminal Blocks	125
SFK-ATK-08032	32 Terminal Blocks	125
SFK-ATK-08042	42 Terminal Blocks	100
SFK-ATK-08062	62 Terminal Blocks	50
SFK-ATK-08082	82 Terminal Blocks	50



Non-Footed Neutral Terminal Block 125 A.

Product Code	Type	Package Amount
SFK-ATK-12506	6 Terminal Blocks	125
SFK-ATK-12507	7 Terminal Blocks	125
SFK-ATK-12509	9 Terminal Blocks	100
SFK-ATK-12510	10 Terminal Blocks	100
SFK-ATK-12512	12 Terminal Blocks	100
SFK-ATK-12515	15 Terminal Blocks	75
SFK-ATK-12520	20 Terminal Blocks	50
SFK-ATK-12522	22 Terminal Blocks	50
SFK-ATK-12525	25 Terminal Blocks	50
SFK-ATK-12530	30 Terminal Blocks	50
SFK-ATK-12532	32 Terminal Blocks	50
SFK-ATK-12542	42 Terminal Blocks	40
SFK-ATK-12562	62 Terminal Blocks	30
SFK-ATK-12582	82 Terminal Blocks	15



Non-Footed Neutral Terminal Block 160 A.

Product Code	Type	Package Amount
SFK-ATK-16009	9 Terminal Blocks	100
SFK-ATK-16012	12 Terminal Blocks	100
SFK-ATK-16015	15 Terminal Blocks	75
SFK-ATK-16022	22 Terminal Blocks	50
SFK-ATK-16032	32 Terminal Blocks	25
SFK-ATK-16042	42 Terminal Blocks	25





Neutral Terminal Block 80 A.

Product Code	Type	Package Amount (pcs)
SFK-TK-08004	4 Terminal Blocks	1.000
SFK-TK-08005	5 Terminal Blocks	1.000
SFK-TK-08006	6 Terminal Blocks	1.000
SFK-TK-08007	7 Terminal Blocks	1.000
SFK-TK-08009	9 Terminal Blocks	500
SFK-TK-08010	10 Terminal Blocks	500
SFK-TK-08012	12 Terminal Blocks	500
SFK-TK-08015	15 Terminal Blocks	250
SFK-TK-08022	22 Terminal Blocks	200
SFK-TK-08032	32 Terminal Blocks	125
SFK-TK-08042	42 Terminal Blocks	125
SFK-TK-08062	62 Terminal Blocks	50
SFK-TK-08082	82 Terminal Blocks	50



Neutral Terminal Block 125 A.

Product Code	Type	Package Amount (pcs)
SFK-TK-12505	5 Terminal Blocks	250
SFK-TK-12506	6 Terminal Blocks	250
SFK-TK-12507	7 Terminal Blocks	250
SFK-TK-12509	9 Terminal Blocks	250
SFK-TK-12510	10 Terminal Blocks	250
SFK-TK-12512	12 Terminal Blocks	250
SFK-TK-12515	15 Terminal Blocks	150
SFK-TK-12522	22 Terminal Blocks	100
SFK-TK-12532	32 Terminal Blocks	100
SFK-TK-12542	42 Terminal Blocks	50
SFK-TK-12562	62 Terminal Blocks	50
SFK-TK-12582	82 Terminal Blocks	50



Neutral Terminal Block 1 meter

Product Code	Type	Package Amount (pcs)
SFK-TK-080100	80 A. 1 Meter	30
SFK-TK-125100	125 A. 1 Meter	20



Plastic Neutral Pillar

Product Code	Type	Package Amount (pcs)
SFK-PA-080	80 A.	500
SFK-PA-125	125 A.	500
SFK-PA-160	160 A.	500





Din Rail

Product Code	Type	Package Amount (pcs)
SFK-EDMR-3575	35x7,5x1 Eco Termial Blocks Mounting Rail	50
SFK-EZMR-3575	35x7,5x1 Eco Non-Termial Blocks Mounting Rail	50
SFK-DMR-3575	35x7,5x1 Termial Blocks Mounting Rail	50
SFK-ZMR-3575	35x7,5x1 Non-Termial Blocks Mounting Rail	50
SFK-DMR-3515	35x15x1,5 Termial Blocks Mounting Rail	50
SFK-ZMR-3515	35x15x1,5 Non-Termial Blocks Mounting Rail	50



Din Rail Carrier



Product Code	Type	Package Amount (pcs)
SFK-RT-001	Din Rail Carrier	100



Automat Rail

Product Code	Type	Package Amount (pcs)
SFK-YPE-202000	20x2000mm. Free Machining Tape Label	200
SFK-YPE-302000	30x2000mm. Free Machining Tape Label	100
SFK-YPE-402000	40x2000mm. Free Machining Tape Label	100



Automat Cover Plate

Product Code	Type	Dimension (mm)		Package Amount
		H	L	
SFK-OP-202000	Cover Appartus RAL 7035	56,5	2.000	60
SFK-OP-302000	Cover Appartus RAL 7032	56,5	2.000	60
SFK-OP-402000	Cover Appartus RAL 9001	56,5	2.000	60



Labels

Product Code	Type	Package Amount (pcs)	Package Amount
SFK-ETB-01	Grounding Busbars - 13	Ø13	1.080
SFK-ENB-01	Neutral Busbar - 13	Ø13	1.080
SFK-ELB-01	L1-L2-L3 Busbars - 13	Ø13	1.080
SFK-ETB-02	Grounding Busbars - 30	Ø30	240
SFK-ENB-02	Neutral Busbar - 30	Ø30	240
SFK-ELB-02	L1-L2-L3 Busbars - 30	Ø30	240
SFK-ETE-01	Dangerous - 5cm	5cm	250
SFK-ETE-02	Dangerous - 9,5cm	9,5cm	90



Copper Busbar Distribution Power Terminal



Product Code	Type	Package Amount (pcs)
SFK-BBK-10	Copper Busbar Distribution Power Terminal	250



HEAT SHIRINK TUBE





Heat Gun Heat Shrink Tube

Features

- Heat gun with 3-stage temperature switch.
- Adjustable temperature and air flow control when in use.
- Our heat gun offers a variety of possible applications.
- Due to the light weight design of the device and the high temperature achieved, the gun can be used simply and without any fatigue.

Output	: 1800 Watt
Temperature Control	: 50 ° C to 600 ° C in 9 stage
Air Flow Rate	:
Stage 1	: 150 l / min.
Stage 2	: 300 l / min.
Stage 3	: 500 l / min.
Weight	: 850 g
Voltage	: 220V



BS701
(50mm)



BR 14
(14Ø)

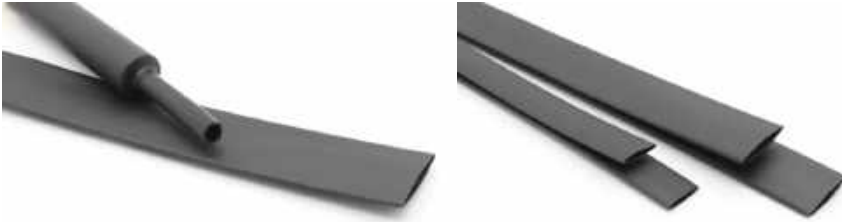


BR 705
(30mm)

Product Code	Description	
HL1920E	Heat Gun	Tool
BS701	Surface Nozzle (50mm)	Accessories
BS702	Surface Nozzle (75mm)	Accessories
BR705	Reflector Nozzle (30mm)	Accessories
BR730	Large Reflector Nozzle (75mm)	Accessories
BR14	Reducing Nozzle (Ø14 mm)	Accessories



Heat Shrink Tube Shrink Ratio: 2/1 BLACK



Feature

- Ultra thin wall
- Flexible
- Halogen Free
- Flame Retardant

Shrink Temperature : Starts at 70°C, completes at 125 °C.
Operation Temperature : -55 °C and 125 °C
Shrink Ratio : 2 / 1

Product Code	Colour	Size mm	Before Recovery Inside Diameter (mm.)	Before Recovery Wall Thickness (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ Mt
SM-0,8	Black	0,8	1.1±0.2	0.18±0.05	≤0.50	0.33±0.10	200
SM-1	Black	1,0	1.5±0.2	0.20±0.05	≤0.65	0.36±0.10	200
SM-1,5	Black	1,5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10	200
SM-2	Black	2,0	2.5±0.2	0.20±0.05	≤1.00	0.45±0.10	200
SM-2,5	Black	2,5	3.0±0.2	0.20±0.05	≤1.30	0.45±0.10	200
SM-3	Black	3,0	3.5±0.2	0.23±0.05	≤1.50	0.45±0.10	200
SM-3,5	Black	3,5	4.0±0.2	0.23±0.05	≤1.80	0.45±0.10	200
SM-4	Black	4,0	4.7±0.2	0.25±0.05	≤2.00	0.45±0.10	200
SM-4,5	Black	4,5	5.0±0.2	0.28±0.05	≤2.30	0.56±0.10	100
SM-5	Black	5,0	5.5±0.2	0.28±0.05	≤2.50	0.56±0.10	100
SM-6	Black	6,0	6.5±0.2	0.28±0.05	≤3.00	0.56±0.10	100
SM-7	Black	7,0	7.5±0.3	0.30±0.05	≤3.50	0.56±0.10	100
SM-8	Black	8,0	8.5±0.3	0.30±0.08	≤4.00	0.56±0.10	100
SM-9	Black	9,0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10	100
SM-10	Black	10,0	10.5±0.3	0.30±0.08	≤5.00	0.56±0.10	100
SM-12	Black	12,0	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10	100
SM-13	Black	13,0	13.5±0.3	0.35±0.08	≤6.50	0.56±0.10	100
SM-14	Black	14,0	14.5±0.3	0.35±0.10	≤7.00	0.70±0.10	100
SM-15	Black	15,0	15.5±0.4	0.35±0.10	≤7.50	0.70±0.10	100
SM-16	Black	16,0	16.5±0.4	0.35±0.10	≤8.00	0.70±0.10	100
SM-18	Black	18,0	19.0±0.5	0.35±0.10	≤9.00	0.70±0.10	100
SM-20	Black	20,0	22.0±0.5	0.40±0.10	≤10.00	0.83±0.10	100
SM-22	Black	22,0	24.0±0.5	0.40±0.12	≤11.00	0.83±0.15	100
SM-25	Black	25,0	26.0±0.5	0.45±0.12	≤12.50	0.90±0.15	50
SM-28	Black	28,0	29.0±0.5	0.45±0.12	≤14.00	0.90±0.15	50
SM-30	Black	30,0	31.5±1.0	0.45±0.12	≤15.00	1.00±0.15	50
SM-35	Black	35,0	36.5±1.0	0.45±0.12	≤17.50	1.00±0.15	50
SM-40	Black	40,0	41.5±1.0	0.50±0.12	≤20.00	1.00±0.15	50
SM-45	Black	45,0	46.5±1.0	0.50±0.15	≤22.50	1.00±0.20	25
SM-50	Black	50,0	≥ 50	0.50±0.15	≤25.00	1.10±0.20	25
SM-60	Black	60,0	≥ 60	0.60±0.2	≤30.00	1.30±0.2	25
SM-70	Black	70,0	≥ 70	0.60±0.2	≤35.00	1.30±0.2	25
SM-80	Black	80,0	≥ 80	0.60±0.2	≤40.00	1.46±0.2	25
SM-90	Black	90,0	≥ 90	0.65±0.2	≤43.00	1.46±0.2	25
SM-100	Black	100,0	≥ 100	0.65±0.2	≤50.00	1.46±0.2	25
SM-120	Black	120,0	≥ 120	0.70±0.2	≤60.00	1.56±0.2	25
SM-150	Black	150,0	≥ 150	0.70±0.2	≤75.00	1.56±0.2	25
SM-180	Black	180,0	≥ 180	0.70±0.2	≤90.00	1.56±0.2	25



Heat Shrink Tube Shrink Ratio: 2/1 CLEAR



Feature

- Ultra thin wall
- Flexible
- Halogen Free

Shrink Temperature : Start at 125 °C ~ 200 °C
Operation Temperature : -45 °C and 110 °C
Shrink Ratio : 2 / 1

Product Code	Colour	Size mm	Before Recovery Inside Diameter (mm.)	Before Recovery Wall Thickness (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ Mt
SM-0,8T	Clear	0,8	1.1±0.2	0.18±0.05	≤0.50	0.33±0.10	200
SM-1T	Clear	1,0	1.5±0.2	0.20±0.05	≤0.65	0.36±0.10	200
SM-1,5T	Clear	1,5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10	200
SM-2T	Clear	2,0	2.5±0.2	0.20±0.05	≤1.00	0.45±0.10	200
SM-2,5T	Clear	2,5	3.0±0.2	0.20±0.05	≤1.30	0.45±0.10	200
SM-3T	Clear	3,0	3.5±0.2	0.23±0.05	≤1.50	0.45±0.10	200
SM-3,5T	Clear	3,5	4.0±0.2	0.23±0.05	≤1.80	0.45±0.10	200
SM-4T	Clear	4,0	4.7±0.2	0.25±0.05	≤2.00	0.45±0.10	200
SM-4,5T	Clear	4,5	5.0±0.2	0.28±0.05	≤2.30	0.56±0.10	100
SM-5T	Clear	5,0	5.5±0.2	0.28±0.05	≤2.50	0.56±0.10	100
SM-6T	Clear	6,0	6.5±0.2	0.28±0.05	≤3.00	0.56±0.10	100
SM-7T	Clear	7,0	7.5±0.3	0.30±0.05	≤3.50	0.56±0.10	100
SM-8T	Clear	8,0	8.5±0.3	0.30±0.08	≤4.00	0.56±0.10	100
SM-9T	Clear	9,0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10	100
SM-10T	Clear	10,0	10.5±0.3	0.30±0.08	≤5.00	0.56±0.10	100
SM-12T	Clear	12,0	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10	100
SM-13T	Clear	13,0	13.5±0.3	0.35±0.08	≤6.50	0.56±0.10	100
SM-14T	Clear	14,0	14.5±0.3	0.35±0.10	≤7.00	0.70±0.10	100
SM-15T	Clear	15,0	15.5±0.4	0.35±0.10	≤7.50	0.70±0.10	100
SM-16T	Clear	16,0	16.5±0.4	0.35±0.10	≤8.00	0.70±0.10	100
SM-18T	Clear	18,0	19.0±0.5	0.35±0.10	≤9.00	0.70±0.10	100
SM-20T	Clear	20,0	22.0±0.5	0.40±0.10	≤10.00	0.83±0.10	100
SM-22T	Clear	22,0	24.0±0.5	0.40±0.12	≤11.00	0.83±0.15	100
SM-25T	Clear	25,0	26.0±0.5	0.45±0.12	≤12.50	0.90±0.15	50
SM-28T	Clear	28,0	29.0±0.5	0.45±0.12	≤14.00	0.90±0.15	50
SM-30T	Clear	30,0	31.5±1.0	0.45±0.12	≤15.00	1.00±0.15	50
SM-35T	Clear	35,0	36.5±1.0	0.45±0.12	≤17.50	1.00±0.15	50
SM-40T	Clear	40,0	41.5±1.0	0.50±0.12	≤20.00	1.00±0.15	50
SM-45T	Clear	45,0	46.5±1.0	0.50±0.15	≤22.50	1.00±0.20	25
SM-50T	Clear	50,0	≥ 50	0.50±0.15	≤25.00	1.10±0.20	25
SM-60T	Clear	60,0	≥ 60	0.60±0.2	≤30.00	1.30±0.2	25
SM-70T	Clear	70,0	≥ 70	0.60±0.2	≤35.00	1.30±0.2	25
SM-80T	Clear	80,0	≥ 80	0.60±0.2	≤40.00	1.46±0.2	25
SM-90T	Clear	90,0	≥ 90	0.65±0.2	≤43.00	1.46±0.2	25
SM-100T	Clear	100,0	≥ 100	0.65±0.2	≤50.00	1.46±0.2	25
SM-120T	Clear	120,0	≥ 120	0.70±0.2	≤60.00	1.56±0.2	25
SM-150T	Clear	150,0	≥ 150	0.70±0.2	≤75.00	1.56±0.2	25
SM-180T	Transparan	180,0	≥ 180	0.70±0.2	≤90.00	1.56±0.2	25



Heat Shrink Tube Shrink Ratio: 2/1

COLORED / RED / BLUE



Feature

- Ultra thin wall
- Flexible
- Halogen Free
- Flame Retardant

Shrink Temperature : Starts at 70 °C, completes at 125 °C
Operation Temperature : -55 °C and 125 °C
Shrink Ratio : 2 / 1



Product Code Red	Product Code Blue	Size mm	Before Recovery Inside Diameter (mm.)	Before Recovery Wall Thickness (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ Mt
SM-1,5K	SM-1,5M	1,5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10	200
SM-2,5K	SM-2,5M	2,5	3.0±0.2	0.20±0.05	≤1.30	0.45±0.10	200
SM-3K	SM-3M	3,0	3.5±0.2	0.23±0.05	≤1.50	0.45±0.10	200
SM-4,5K	SM-4,5M	4,5	5.0±0.2	0.28±0.05	≤2.30	0.56±0.10	100
SM-5K	SM-5M	5,0	5.5±0.2	0.28±0.05	≤2.50	0.56±0.10	100
SM-6K	SM-6M	6,0	6.5±0.2	0.28±0.05	≤3.00	0.56±0.10	100
SM-7K	SM-7M	7,0	7.5±0.3	0.30±0.05	≤3.50	0.56±0.10	100
SM-9K	SM-9M	9,0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10	100
SM-12K	SM-12M	12,0	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10	100
SM-13K	SM-13M	13,0	13.5±0.3	0.35±0.08	≤6.50	0.56±0.10	100
SM-16K	SM-16M	16,0	16.5±0.4	0.35±0.10	≤8.00	0.70±0.10	100
SM-20K	SM-20M	20,0	22.0±0.5	0.40±0.10	≤10.00	0.83±0.10	100
SM-25K	SM-25M	25,0	26.0±0.5	0.45±0.12	≤12.50	0.90±0.15	50
SM-30K	SM-30M	30,0	31.5±1.0	0.45±0.12	≤15.00	1.00±0.15	50
SM-35K	SM-35M	35,0	36.5±1.0	0.45±0.12	≤17.50	1.00±0.15	50
SM-40K	SM-40M	40,0	41.5±1.0	0.50±0.12	≤20.00	1.00±0.15	50
SM-50K	SM-50M	50,0	≥ 50	0.50±0.15	≤25.00	1.10±0.20	25
SM-60K	SM-60M	60,0	≥ 60	0.60±0.2	≤30.00	1.30±0.2	25
SM-70K	SM-70M	70,0	≥ 70	0.60±0.2	≤35.00	1.30±0.2	25
SM-80K	SM-80M	80,0	≥ 80	0.60±0.2	≤40.00	1.46±0.2	25
SM-100K	SM-100M	100,0	≥ 100	0.65±0.2	≤50.00	1.46±0.2	25
SM-120K	SM-120M	120,0	≥ 120	0.70±0.2	≤60.00	1.56±0.2	25

COLORED / YELLOW / GREEN

Product Code Yellow	Product Code Green	Size mm	Before Recovery Inside Diameter (mm.)	Before Recovery Wall Thickness (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ Mt
SM-1,5S	SM-1,5Y	1,5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10	200
SM-2,5S	SM-2,5Y	2,5	3.0±0.2	0.20±0.05	≤1.30	0.45±0.10	200
SM-3S	SM-3Y	3,0	3.5±0.2	0.23±0.05	≤1.50	0.45±0.10	200
SM-4,5S	SM-4,5Y	4,5	5.0±0.2	0.28±0.05	≤2.30	0.56±0.10	100
SM-5S	SM-5Y	5,0	5.5±0.2	0.28±0.05	≤2.50	0.56±0.10	100
SM-6S	SM-6Y	6,0	6.5±0.2	0.28±0.05	≤3.00	0.56±0.10	100
SM-7S	SM-7Y	7,0	7.5±0.3	0.30±0.05	≤3.50	0.56±0.10	100
SM-9S	SM-9Y	9,0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10	100
SM-12S	SM-12Y	12,0	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10	100
SM-13S	SM-13Y	13,0	13.5±0.3	0.35±0.08	≤6.50	0.56±0.10	100
SM-16S	SM-16Y	16,0	16.5±0.4	0.35±0.10	≤8.00	0.70±0.10	100
SM-20S	SM-20Y	20,0	22.0±0.5	0.40±0.10	≤10.00	0.83±0.10	100
SM-25S	SM-25Y	25,0	26.0±0.5	0.45±0.12	≤12.50	0.90±0.15	50
SM-30S	SM-30Y	30,0	31.5±1.0	0.45±0.12	≤15.00	1.00±0.15	50
SM-35S	SM-35Y	35,0	36.5±1.0	0.45±0.12	≤17.50	1.00±0.15	50
SM-40S	SM-40Y	40,0	41.5±1.0	0.50±0.12	≤20.00	1.00±0.15	50
SM-50S	SM-50Y	50,0	≥ 50	0.50±0.15	≤25.00	1.10±0.20	25
SM-60S	SM-60B	60,0	≥ 60	0.60±0.2	≤30.00	1.30±0.2	25
SM-70S	SM-70B	70,0	≥ 70	0.60±0.2	≤35.00	1.30±0.2	25
SM-80S	SM-80B	80,0	≥ 80	0.60±0.2	≤40.00	1.46±0.2	25
SM-100S	SM-100B	100,0	≥ 100	0.65±0.2	≤50.00	1.46±0.2	25
SM-120S	SM-120B	120,0	≥ 120	0.70±0.2	≤60.00	1.56±0.2	25



Heat Shrink Tube Shrink Ratio: 2/1 COLORED / WHITE / GREY



Feature

- Ultra thin wall
- Flexible
- Halogen Free
- Flame Retardant

Shrink Temperature
Operation Temperature
Shrink Ratio

: 70 °C de başlar 125 °C de tamamlanır.
: -55 °C ıla 125 °C
: 2 / 1



Product Code White	Product Code Grey	Size mm	Before Recovery Inside Diameter (mm.)	Before Recovery Wall Thickness (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ Mt
SM-1,5B	SM-1,5G	1,5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10	200
SM-2,5B	SM-2,5G	2,5	3.0±0.2	0.20±0.05	≤1.30	0.45±0.10	200
SM-3B	SM-3G	3,0	3.5±0.2	0.23±0.05	≤1.50	0.45±0.10	200
SM-4,5B	SM-4,5G	4,5	5.0±0.2	0.28±0.05	≤2.30	0.56±0.10	100
SM-5B	SM-5G	5,0	5.5±0.2	0.28±0.05	≤2.50	0.56±0.10	100
SM-6B	SM-6G	6,0	6.5±0.2	0.28±0.05	≤3.00	0.56±0.10	100
SM-7B	SM-7G	7,0	7.5±0.3	0.30±0.05	≤3.50	0.56±0.10	100
SM-9B	SM-9G	9,0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10	100
SM-12B	SM-12G	12,0	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10	100
SM-13B	SM-13G	13,0	13.5±0.3	0.35±0.08	≤6.50	0.56±0.10	100
SM-16B	SM-16G	16,0	16.5±0.4	0.35±0.10	≤8.00	0.70±0.10	100
SM-20B	SM-20G	20,0	22.0±0.5	0.40±0.10	≤10.00	0.83±0.10	100
SM-25B	SM-25G	25,0	26.0±0.5	0.45±0.12	≤12.50	0.90±0.15	50
SM-30B	SM-30G	30,0	31.5±1.0	0.45±0.12	≤15.00	1.00±0.15	50
SM-35B	SM-35G	35,0	36.5±1.0	0.45±0.12	≤17.50	1.00±0.15	50
SM-40B	-	40,0	41.5±1.0	0.50±0.12	≤20.00	1.00±0.15	50
-	SM-40G	40,0	41.5±1.0	0.50±0.12	≤20.00	1.00±0.15	50
SM-50B	-	50,0	≥ 50	0.50±0.15	≤25.00	1.10±0.20	25
-	SM-50G	50,0	≥ 50	0.50±0.15	≤25.00	1.10±0.20	25
SM-60B	SM-60G	60,0	≥ 60	0.60±0.2	≤30.00	1.30±0.2	25
SM-70B	SM-70G	70,0	≥ 70	0.60±0.2	≤35.00	1.30±0.2	25
SM-80B	SM-80G	80,0	≥ 80	0.60±0.2	≤40.00	1.46±0.2	25
SM-100B	SM-100G	100,0	≥ 100	0.65±0.2	≤50.00	1.46±0.2	25
SM-120B	SM-120G	120,0	≥ 120	0.70±0.2	≤60.00	1.56±0.2	25

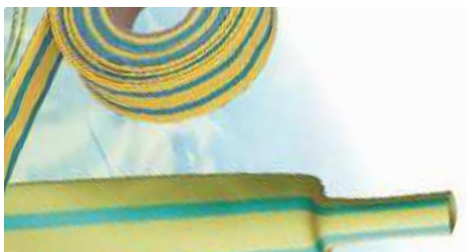
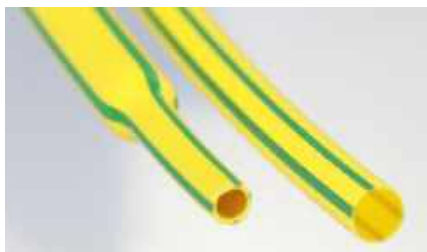
COLORED / BROWN

Product Code	Color	Size mm	Before Recovery Inside Diameter (mm.)	Before Recovery Wall Thickness (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ Mt
SM-1,5KH	Brown	1,5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10	200
SM-2,5KH	Brown	2,5	3.0±0.2	0.20±0.05	≤1.30	0.45±0.10	200
SM-3KH	Brown	3,0	3.5±0.2	0.23±0.05	≤1.50	0.45±0.10	200
SM-4,5KH	Brown	4,5	5.0±0.2	0.28±0.05	≤2.30	0.56±0.10	200
SM-5KH	Brown	5,0	5.5±0.2	0.28±0.05	≤2.50	0.56±0.10	200
SM-6KH	Brown	6,0	6.5±0.2	0.28±0.05	≤3.00	0.56±0.10	200
SM-7KH	Brown	7,0	7.5±0.3	0.30±0.05	≤3.50	0.56±0.10	200
SM-9KH	Brown	9,0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10	200
SM-12KH	Brown	12,0	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10	100
SM-13KH	Brown	13,0	13.5±0.3	0.35±0.08	≤6.50	0.56±0.10	100
SM-16KH	Brown	16,0	16.5±0.4	0.35±0.10	≤8.00	0.70±0.10	100
SM-20KH	Brown	20,0	22.0±0.5	0.40±0.10	≤10.00	0.83±0.10	100
SM-25KH	Brown	25,0	26.0±0.5	0.45±0.12	≤12.50	0.90±0.15	100
SM-30KH	Brown	30,0	31.5±1.0	0.45±0.12	≤15.00	1.00±0.15	100
SM-35KH	Brown	35,0	36.5±1.0	0.45±0.12	≤17.50	1.00±0.15	100
SM-40KH	Brown	40,0	41.5±1.0	0.50±0.12	≤20.00	1.00±0.15	100
SM-50KH	Brown	50,0	50.0±3.0	0.50±0.15	≤25.00	1.10±0.20	100
SM-60KH	Brown	60,0	60.0±3.0	0.60±0.2	≤30.00	1.30±0.2	100
SM-70KH	Brown	70,0	70.0±3.0	0.60±0.2	≤35.00	1.30±0.2	100
SM-80KH	Brown	80,0	80.0±3.0	0.60±0.2	≤40.00	1.46±0.2	100
SM-100KH	Brown	100,0	100±4.0	0.65±0.2	≤50.00	1.46±0.2	100
SM-120KH	Brown	120,0	120±4.0	0.70±0.2	≤60.00	1.56±0.2	100



Heat Shrink Tube Shrink Ratio: 2/1

YELLOW - GREEN



Operation Temperature : -55 °C and 125 °C
Shrink Ratio : 2 / 1

Product Code	Color	Size mm	Before Recovery Inside Diameter (mm.)	Before Recovery Wall Thickness (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ Mt
SM-2,5SY	Yellow-Green	2,5	3.00±0.30	≤1.30	0.36±0.10	200	200
SM-3SY	Yellow-Green	3,0	3.50±0.40	≤1.50	0.38±0.10	200	200
SM-3,5SY	Yellow-Green	3,5	4.00±0.40	≤1.80	0.40±0.10	200	200
SM-4,5SY	Yellow-Green	4,5	5.00±0.40	≤2.30	0.45±0.10	100	100
SM-5SY	Yellow-Green	5,0	5.50±0.40	≤2.50	0.45±0.10	100	100
SM-6SY	Yellow-Green	6,0	6.50±0.40	≤3.00	0.50±0.10	100	100
SM-9SY	Yellow-Green	9,0	9.50±0.50	≤4.50	0.55±0.10	100	100
SM-10SY	Yellow-Green	10,0	10.50±0.50	≤5.00	0.55±0.10	100	100
SM-12SY	Yellow-Green	12,0	12.50±0.50	≤6.00	0.60±0.10	100	100
SM-13SY	Yellow-Green	13,0	13.50±0.50	≤6.50	0.60±0.10	100	100
SM-16SY	Yellow-Green	16,0	17.00±0.60	≤8.00	0.70±0.10	100	100
SM-20SY	Yellow-Green	20,0	22.00±0.70	≤10.00	0.75±0.15	100	100
SM-25SY	Yellow-Green	25,0	26.00±0.70	≤12.50	0.90±0.15	50	50
SM-30SY	Yellow-Green	30,0	31.50±0.70	≤15.00	0.95±0.15	50	50
SM-35SY	Yellow-Green	35,0	36.50±0.70	≤17.50	0.95±0.15	50	50
SM-40SY	Yellow-Green	40,0	41.50±0.70	≤20.00	1.00±0.20	50	50
SM-50SY	Yellow-Green	50,0	51.00±0.70	≤25.00	1.00±0.20	25	25
SM-60SY	Yellow-Green	60,0	≥60.0	≤30.00	1.10±0.20	25	25
SM-70SY	Yellow-Green	70,0	≥70.0	≤35.00	1.20±0.20	25	25
SM-80SY	Yellow-Green	80,0	≥80.0	≤40.00	1.30±0.20	25	25



Heat Shrink Tube Shrink Ratio: 3/1

Self-Adhesive Tubing



Features

- Full moisture sealing
- Strain relief for precision wire connections
- High resistance to impact and abrasion

Shrink Temperature : 125 °C
Operation Temperature : -45 °C and 125 °C
Shrink Ratio : 3 / 1

Product Code	Color	Size mm	Before Recovery Inside Diameter (mm.)	Before Recovery Wall Thickness (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ Mt
SM-8/2IYM	Black	8.0/2.0	≤2.0	1.40±0.20	0.45±0.15	1.85±0.30	1,22
SM-10/3IYM	Black	10.2/3.0	≤3.0	1.40±0.20	0.50±0.15	1.90±0.30	1,22
SM-12/3IYM	Black	12.0/3.0	≤3.0	1.40±0.20	0.50±0.15	1.90±0.30	1,22
SM-16/5IYM	Black	16.0/5.0	≤5.0	1.50±0.20	0.55±0.20	2.15±0.35	1,22
SM-19/5IYM	Black	19.1/5.6	≤5.6	1.80±0.20	0.60±0.20	2.40±0.40	1,22
SM-22/6IYM	Black	22.0/6.0	≤6.0	2.00±0.30	0.60±0.20	2.60±0.40	1,22
SM-25/8IYM	Black	25.0/8.0	≤8.0	2.00±0.30	0.65±0.20	2.70±0.40	1,22
SM-28/6IYM	Black	28.0/6.0	≤6.0	2.40±0.30	0.95±0.25	3.30±0.45	1,22
SM-33/8IYM	Black	33.0/8.0	≤8.0	2.50±0.30	0.80±0.25	3.30±0.45	1,22
SM-38/12IYM	Black	38.1/12.0	≤12.0	2.40±0.30	0.80±0.25	3.30±0.45	1,22
SM-43/12IYM	Black	43.2/12.7	≤12.7	2.40±0.30	0.80±0.25	3.30±0.45	1,22
SM-55/16IYM	Black	55.0/16.0	≤16.0	2.40±0.30	0.80±0.25	3.30±0.45	1,22
SM-65/19IYM	Black	65.0/19.0	≤19.0	2.50±0.30	0.80±0.25	3.30±0.45	1,22
SM-75/22IYM	Black	75.0/22.0	≤22.0	2.90±0.30	0.80±0.25	3.70±0.50	1,22
SM-85/25IYM	Black	85.0/25.0	≤25.0	2.90±0.30	0.80±0.25	3.70±0.50	1,22
SM-95/30IYM	Black	95.0/30.0	≤30.0	3.00±0.30	0.80±0.25	3.70±0.50	1,22
SM-115/34IYM	Black	115.0/34.0	≤34.0	3.00±0.30	0.80±0.25	3.70±0.50	1,22
SM-140/42IYM	Black	140.0/42.0	≤42.0	3.00±0.30	0.80±0.25	3.70±0.50	1,22
SM-160/50IYM	Black	160.0/50.0	≤50.0	3.10±0.30	0.80±0.25	3.70±0.50	1
SM-180/58IYM	Black	180.0/65.0	≤65.0	3.10±0.30	0.80±0.25	3.70±0.50	1
SM-200/60IYM	Black	200.0/69.0	≤69.0	3.10±0.30	0.80±0.25	3.70±0.50	1
SM-230/69IYM	Black	230.0/78.0	≤78.0	3.10±0.30	0.80±0.25	3.70±0.50	1



Heat Shrink Tube Shrink Ratio: 3/1

Repair Sleeve for MV of 36kV



Features

- Provides fast and permanent repair and sealing protection for power cables.
- Radial shrinkage rate: S% 50
- Meat thickness inequality: S% 30.
- Adhesive inside.

Shrink Temperature : 90 °C and 130 °C
Shrink Ratio : 3 / 1

Product Code	Color	Before Recovery Inside Diameter (mm)	After Recovery Inside Diameter (mm)	After Recovery Wall Thickness (mm)	Meter Spool/ mm/pc
SM-30/12FM	Black	30,0	12,0	3,8	900
SM-40/18FM	Black	40,0	18,0	3,8	900
SM-50/18FM	Black	50,0	18,0	3,8	900
SM-65/22FM	Black	65,0	22,0	3,8	900
SM-85/30FM	Black	85,0	30,0	3,8	900
SM-100/35FM	Black	100,0	35,0	3,8	900
SM-120/40FM	Black	120,0	40,0	3,8	900
SM-150/50FM	Black	150,0	50,0	4,0	900
SM-160/50FM	Black	160,0	50,0	4,0	900

Heat Shrink Tube Shrink Ratio: 3/1

MV Cross-linked Polyolefin Busbar Tubing



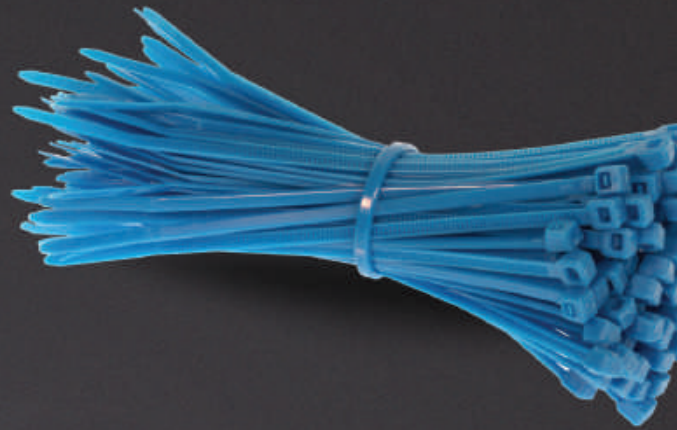
Features

- Flame Retardant
- Halogen-free
- Reduces busbar space requirements.
- Tested according to IEC60684 standards for medium voltage. Over 20KV switchgear applications.
- Insulation of medium voltage busbars suitable for application, cable termination and ports 1KV to 24 KV.

Operation Temperature : - 4 °C and 110 °C
Shrink Temperature : 120 °C
Shrink Ratio : 3 / 1

Product Code	Color	Size mm	Before Recovery Inside Diameter (mm.)	After Recovery Inside Diameter (mm)	Meter Spool mt
SM-25/10PBC	Red	25,0	≤ 10	2,20 ± 0,30	25
SM-30/12PBC	Red	30,0	≤ 12	2,20 ± 0,30	25
SM-40/16PBC	Red	40,0	≤ 16	2,35 ± 0,40	25
SM-50/20PBC	Red	50,0	≤ 20	2,35 ± 0,40	25
SM-65/26PBC	Red	65,0	≤ 26	2,35 ± 0,40	25
SM-75/30PBC	Red	75,0	≤ 30	2,35 ± 0,40	25
SM-85/34PBC	Red	85,0	≤ 34	2,35 ± 0,40	25
SM-100/40PBC	Red	100,0	≤ 40	2,35 ± 0,40	25
SM-120/50PBC	Red	125,0	≤ 50	2,80 ± 0,40	25
SM-150/60PBC	Red	150,0	≤ 60	2,80 ± 0,40	25

CABLE TIES





Natural Cable Ties

Nylon 6.6



Product Code	Dimensions Length x Width (mm)	Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantity	Carton Quantity	Carton Weight (~kg)
S..1002C	100	2,5	Natural	24	11 daN	100	30.000
S..1302C	130		Natural	35	11 daN	100	25.000
S..1602C	160		Natural	40	11 daN	100	20.000
S..2002C	200		Natural	55	11 daN	100	20.000

Product Code	Dimensions Length x Width (mm)	Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantity	Carton Quantity	Carton Weight (~kg)
S..1403C	140	3,5	Natural	36,00	20 daN	100	20.000
S..2003C	200		Natural	55,00	20 daN	100	12.000
S..2503C	250		Natural	68,00	20 daN	100	13.000
S..2803C	280		Natural	80,00	20 daN	100	13.000
S..3703C	370		Natural	103,00	20 daN	100	8.000

Product Code	Dimensions Length x Width (mm)	Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantity	Carton Quantity	Carton Weight (~kg)
S..2004C	200	4,5	Natural	51	28 daN	100	10.000
S..2504C	250		Natural	68	28 daN	100	10.000
S..3004C	300		Natural	82	28 daN	100	8.000
S..3604C	360		Natural	101	28 daN	100	8.000
S..3804C	380		Natural	110	28 daN	100	7.000
S..4304C	430		Natural	123	28 daN	100	5.000

Product Code	Dimensions Length x Width (mm)	Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantity	Carton Quantity	Carton Weight (~kg)
S..3007C	300	7,5	Natural	88	65 daN	100	3.000
S..3707C	370		Natural	101	65 daN	100	3.000
S..4507C	450		Natural	130	65 daN	100	2.500
S..5407C	540		Natural	160	65 daN	100	2.500
S..7507C	750		Natural	220	65 daN	100	1.500

Product Code	Dimensions Length x Width (mm)	Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantity	Carton Quantity	Carton Weight (~kg)
S..8109C	810	9,0	Natural	245	800 kN	100	1.000
S..9209C	920		Natural	280	800 kN	100	1.000

Self-adhesive Nylon Square Base



Product Code	Dimensions Length x Width (mm)	Cable Tie Entry (mm)	Colour	Tensile Strength	Bag Quantity	Carton Quantity
S..1919	19 x 19	4	Natural	10 daN	100	5.000
S..1919B	19 x 19	4	Black	10 daN	100	5.000
S..2727	27 x 27	4,5	Natural	16 daN	100	5.000
S..2727B	27 x 27	4,5	Black	16 daN	100	5.000



Saddle Natural Nylon Support

Product Code	Dimensions Length x Width (mm)	Bolt Ø (mm)	Colour	Bag Quantity	Carton Quantity	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 Quantity	Carton Quantity	Carton Weight (-kg)
S..100B2C	100	2,5	Black	24	11 daN	100	30.000	10,40
S..130B2C	130		Black	35	11 daN	100	25.000	12,25
S..160B2C	160		Black	40	11 daN	100	20.000	11,05
S..200B2C	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 Quantity	Carton Quantitiy	Carton Weight (~kg)
S..140B3C	140	3,5	Black	36,00	20 daN	100	20.000	13,40
S..200B3C	200		Black	55,00	20 daN	100	12.000	11,15
S..250B3C	250		Black	68,00	20 daN	100	13.000	15,50
S..280B3C	280		Black	80,00	20 daN	100	13.000	18,20
S..370B3C	370		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 Quantity	Carton Quantity	Carton Weight (~kg)	
S..200B4C	200	4,5	Black	51	28 daN	100	10.000	14,35
S..250B4C	250		Black	68	28 daN	100	10.000	18,45
S..300B4C	300		Black	82	28 daN	100	8.000	17,85
S..360B4C	360		Black	101	28 daN	100	8.000	19,50
S..380B4C	380		Black	110	28 daN	100	7.000	19,45
S..430B4C	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..300B7C	300	7,5	Black	88	65 daN	100	3.000	15,85
S..370B7C	370		Black	101	65 daN	100	3.000	16,80
S..450B7C	450		Black	130	65 daN	100	2.500	18,60
S..540B7C	540		Black	160	65 daN	100	2.500	22,25
S..750B7C	750		Black	220	65 daN	100	1.500	17,85

Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantity	Carton Quantity	Carton Weight (–kg)
S..810B9C	810	9,0	Black	245	800 kN	100	1.000	16,00
S..920B9C	920		Black	280	800 kN	100	1.000	17,00

Cable Tie Fixing Apparatus *Cable Ties*

Product Code	Dimensions Length x Width (mm)		Colour	Max. Bundle Diameter mm	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 temperature 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



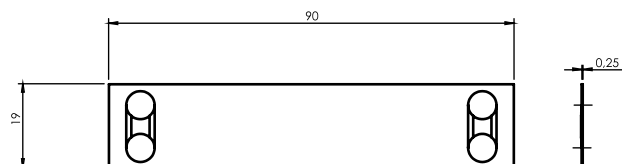


Stainless Steel Cable Ties



Product Code	Dimension Length x Width (mm)		Colour	Max. Bundle Diameter mm	Tensile Strength	Bag Quantity	Carton Quantity	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 Label



Product Code	Dimension Length x Width (mm)		Colour	Bag Quantity	Carton Quantity	Carton Weight (~kg)
SFK-STB1990	19	90	Grey	100	2.500	8,0 kg

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 Cable Ties *Polyester Coated -304 Steel*



Product Code	Dimension Length x Width (mm)	Colour	Max. Bundle Diameter mm	Tensile Strength Kg (min)	Bag Quantity	Carton Quantity
SFK-STB1254C	125	Black	38	45	100	5.000
SFK-STB2004C	200		61,9	45	100	2.500
SFK-STB2504C	250		81	45	100	2.500
SFK-STB3004C	300		90,6	45	100	2.500
SFK-STB3604C	360		112,8	45	100	2.500
SFK-STB5204C	520		163,8	45	100	2.500
SFK-STB6804C	680		214,8	45	100	2.000
SFK-STB8404C	840		265,7	45	100	2.000
SFK-STB2008C	200	Black	61,9	80	100	2.500
SFK-STB3608C	360		112,8	80	100	2.500
SFK-STB5208C	520		163,8	80	100	2.000
SFK-STB6808C	680		214,8	80	100	1.000
SFK-STB8408C	840		265,7	80	100	1.000

Stainless Steel Cable Ties *Polyester Coated -316 Steel*



Product Code	Dimension Length x Width (mm)	Colour	Max. Bundle Diameter mm	Tensile Strength Kg (min)	Bag Quantity	Carton Quantity
SFK-STB1254-316C	125	Black	38	45	100	5.000
SFK-STB2004-316C	200		61,9	45	100	2.500
SFK-STB2504-316C	250		81	45	100	2.500
SFK-STB3004-316C	300		90,6	45	100	2.500
SFK-STB3604-316C	360		112,8	45	100	2.500
SFK-STB5204-316C	520		163,8	45	100	2.500
SFK-STB6804-316C	680		214,8	45	100	2.000
SFK-STB8404-316C	840		265,7	45	100	2.000
SFK-STB2008-316C	200	Black	61,9	80	100	2.500
SFK-STB3608-316C	360		112,8	80	100	2.500
SFK-STB5208-316C	520		163,8	80	100	2.000
SFK-STB6808-316C	680		214,8	80	100	1.000
SFK-STB8408-316C	840		265,7	80	100	1.000

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 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



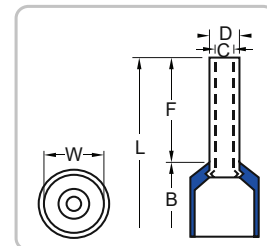


Cord-end Terminals *French Color Norm (DIN 46228)*



Standard
Material
Insulation
Operating Temperature

: DIN 46228
: Copper (E-Cu), Tin plated
: Nylon
: Maximum 105° 600 Volt



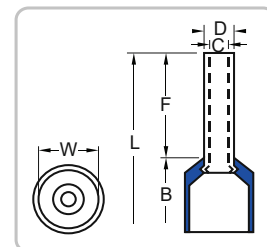
Product Code	Colour	Cross-Section mm ²	F	L	W	B	D	C	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
UY-3005S	White	0,50 mm ²	8,0	14,0	2,6	6,0	1,3	1,0	500	60.000	64
UY-3007S	Blue	0,75 mm ²	8,0	14,0	2,8	6,3	1,5	1,2	500	60.000	72
UY-3010S	Red	1,00 mm ²	8,0	14,0	3,0	6,3	1,7	1,4	500	60.000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

: DIN 46228
: Copper (E-Cu), Tin plated
: Nylon
: Maximum 105° 600 Volt



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

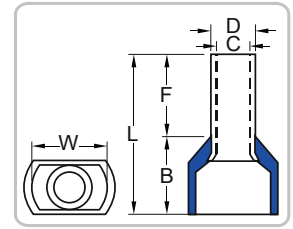


Insulated Twin Cord End Terminals (DIN 46228)



Standard Material
Insulation
Operating Temperature

: DIN 46228
: Copper (E-Cu), Tin plated
: Nylon
: Maximum 105° 600 Volt



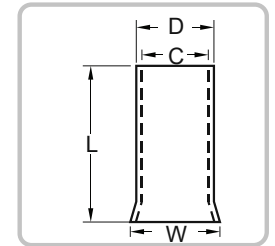
Product Code	Colour	Cross-Section mm ²	F	L	W	B	D	C	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
UY-23005S	 White	2 x 0,50 mm ²	8,0	14,5	5,0	6,5	1,8	1,5	500	30.000	107
UY-23007S	 Blue	2 x 0,75 mm ²	8,0	14,7	5,5	6,7	2,1	1,8	500	30.000	121
UY-23010S	 Red	2 x 1,00 mm ²	8,0	15,1	5,5	7,1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

Safak Series Non-insulated Cordend Terminals (DIN 46228)



Standard Material

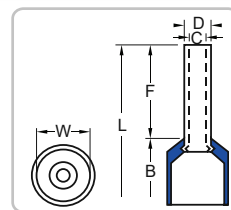
: DIN 46228
: Copper (E-Cu), Tin plated



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



Cord-end Terminals French Color Norm (DIN 46228)



Standard Material Insulation Operating Temperature

: DIN 46228
: Copper (E-Cu), Tin plated
: Nylon
: Maximum 105° 600 Volt

Product Code	Colour	Cross-Section mm ²	F	L	W	B	D	C	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (-gr)
UY-3003	Pink	0,30 mm ²	8,0	12,4	1,9	4,4	1,1	0,8	500	60.000	50
UY-3005	White	0,50 mm ²	8,0	14,0	2,6	6,0	1,3	1,0	500	60.000	64
UY-3007	Blue	0,75 mm ²	8,0	14,0	2,8	6,3	1,5	1,2	500	60.000	72
UY-3010	Red	1,00 mm ²	8,0	14,0	3,0	6,3	1,7	1,4	500	60.000	75
UY-3015	Black	1,50 mm ²	8,0	14,0	3,5	6,3	2,0	1,7	500	30.000	108
UY-3015/10	Black		10,0	16,0	3,5	6,3	2,0	1,7	500	30.000	116
UY-3015/18	Black	2,50 mm ²	18,0	24,0	3,5	6,3	2,0	1,7	500	25.000	150
UY-3025	Grey		8,0	15,0	4,2	7,4	2,5	2,2	500	30.000	133
UY-3025/12	Grey	4,00 mm ²	12,0	18,0	4,2	7,4	2,5	2,2	500	25.000	167
UY-3040	Orange		10,0	17,0	4,8	7,4	3,2	2,8	250	15.000	119
UY-3060	Green	6,00 mm ²	12,0	20,0	6,3	8,5	3,9	3,5	250	12.500	177
UY-3100	Brown	10,00 mm ²	12,0	22,0	7,6	8,8	4,9	4,5	100	6.000	109
UY-3160	Ivory	16,00 mm ²	12,0	24,0	8,8	10,0	6,2	5,8	100	5.000	138
UY-3250	Black	25,00 mm ²	16,0	28,0	11,2	12,0	7,7	7,3	50	2.500	125
UY-3350	Red	35,00 mm ²	16,0	30,0	12,7	14,0	8,7	8,3	50	2.500	141
UY-3500	Blue	50,00 mm ²	20,0	36,0	15,0	16,0	10,9	10,3	50	2.500	168
UY-3700	Yellow	70,00 mm ²	20,0	37,0	16,0	17,0	14,3	13,5	50	2.500	270

Cord-end Terminals German Color Norm (DIN 46228)



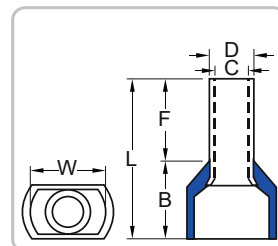
Product Code	Colour	Cross-Section mm ²	F	L	W	B	D	C	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (-gr)
UY-2005	Orange	0,50 mm ²	8,0	14,0	2,6	6,0	1,3	1,0	500	60.000	64
UY-2007	White	0,75 mm ²	8,0	14,0	2,8	6,3	1,5	1,2	500	60.000	72
UY-2010	Yellow	1,00 mm ²	8,0	14,0	3,0	6,3	1,7	1,4	500	60.000	75
UY-2015	Red	1,50 mm ²	8,0	14,0	3,5	6,3	2,0	1,7	500	30.000	108
UY-2015/18	Red		18,0	24,0	3,5	6,3	2,0	1,7	500	25.000	150
UY-2025	Blue	2,50 mm ²	8,0	15,0	4,2	7,4	2,5	2,2	500	30.000	133
UY-2025/12	Blue		12,0	18,0	4,2	7,4	2,5	2,2	500	30.000	167
UY-2025/18	Blue	4,00 mm ²	18,0	24,0	4,2	7,4	2,5	2,2	250	12.500	119
UY-2040	Grey		10,0	17,0	4,8	7,4	3,2	2,8	250	15.000	119
UY-2040/12	Grey	6,00 mm ²	12,0	20,0	4,8	7,4	3,2	2,8	250	12.500	125
UY-2040/18	Grey		18,0	26,0	4,8	7,4	3,2	2,8	250	12.500	150
UY-2060	Black	10,00 mm ²	12,0	20,0	6,3	8,5	3,9	3,5	250	12.500	179
UY-2060/18	Black		18,0	26,0	6,3	8,5	3,9	3,5	200	10.000	177
UY-2100	Beige	16,00 mm ²	12,0	22,0	7,6	8,8	4,9	4,5	100	6.000	109
UY-2100/18	Beige		18,0	28,0	7,6	8,8	4,9	4,5	100	5.000	124
UY-2160	Green	25,00 mm ²	12,0	24,0	8,8	10,0	6,2	5,8	100	5.000	138
UY-2160/18	Green		18,0	28,0	8,8	10,0	6,2	5,8	100	5.000	157
UY-2250	Brown	35,00 mm ²	16,0	28,0	11,2	12,0	7,7	7,3	50	2.500	125
UY-2350	Beige	50,00 mm ²	16,0	30,0	12,7	14,0	8,7	8,3	50	2.500	140
UY-2500	Olive		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)							Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
			F	L	W	B	D	C				
UY-23005	 White	2 x 0,50 mm²	8,0	14,5	5,0	6,5	1,8	1,5	500	30.000	107	
UY-23007	 Blue	2 x 0,75 mm²	8,0	14,7	5,5	6,7	2,1	1,8	500	30.000	121	
UY-23010	 Red	2 x 1,00 mm²	8,0	15,1	5,5	7,1	2,4	2,1	500	30.000	137	
UY-23015	 Black	2 x 1,50 mm²	8,0	15,5	6,4	7,5	2,6	2,3	500	25.000	164	
UY-23025	 Grey	2 x 2,50 mm²	10,0	18,5	8,0	8,5	3,3	2,9	250	12.500	137	
UY-23040	 Orange	2 x 4,00 mm²	12,0	23,1	8,8	11,1	4,2	3,8	100	6.000	98	
UY-23060	 Green	2 x 6,00 mm²	14,0	26,1	9,5	12,1	5,3	4,9	100	5.000	149	
UY-23100	 Brown	2 x 10,00 mm²	14,0	26,6	12,6	12,6	6,9	6,5	50	3.000	108	
UY-23160	 Beige	2 x 16,00 mm²	14,0	31,3	19,0	17,3	8,7	8,3	50	2.500	56	

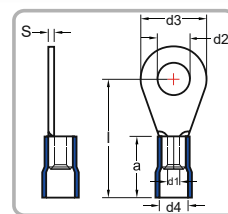


Ring Type Insulated Cable Terminals (DIN 46237)



Material
Insulation
Operating Temperature

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



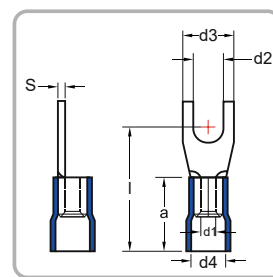
Product Code	Cross-Section mm ²	Bolt Size	Dimensions (mm)							Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
			d2	d3	l	d1	d4	a	S			
YK-301KPVC	0,50 - 1,50 mm ²	M3	3,2	6,0	16,0	1,6	4,0	10,0	0,8	200	12.000	182
YK-401KPVC		M4	4,3	8,0	17,0	1,6	4,0	10,0	0,8	200	12.000	206
YK-501KPVC		M5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

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



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

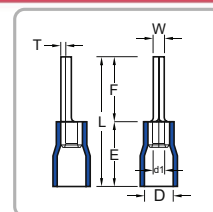


Pin Type Insulated Cable Terminals



Material
Insulation
Operating Temperature

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



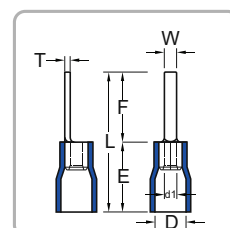
Product Code	Cross-Section mm ²	Dimensions (mm)							Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
W	F	L	E	D	d1	T					
 IK-101I	0,50 - 1,50 mm²	1,9	10,0	19,8	10,0	4,0	1,7	0,75	200	12.000	174
 IK-102I	1,50 - 2,50 mm²	1,9	12,0	21,8	10,0	4,5	2,3	0,80	200	12.000	210
 IK-106I	4,00 - 6,00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

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



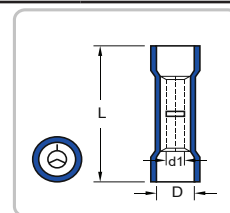
Product Code	Cross-Section mm ²	Dimensions (mm)							Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
W	F	L	E	D	d1	T					
 IK-101/14	0,50 - 1,50 mm²	3,0	14,0	23,8	10,0	4,0	1,7	0,75	200	12.000	180
 IK-102/18	1,50 - 2,50 mm²	2,2	18,0	27,8	10,0	4,5	2,3	0,80	200	12.000	206

Butt-splice Connectors Insulated Cable Terminals



Standard
Material
Insulation
Operating Temperature

: DIN 46237
: Copper (E-Cu), Tin plated
: PVC
: Maximum 75° 600 Volt



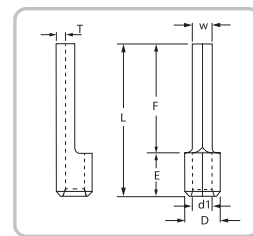
Product Code	Cross-Section mm ²	L	D	d1	Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
 BY-251	0,50 - 1,50 mm²	24,6	4,0	1,7	200	10.000	275
 BY-252	1,50 - 2,50 mm²	24,6	4,5	2,3	200	10.000	322
 BY-256	4,00 - 6,00 mm²	26,5	6,3	3,4	100	5.000	285

DIN 46230 Type Non- Insulated Cable Terminals (Welded)



Standard
Material
Operating Temperature

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



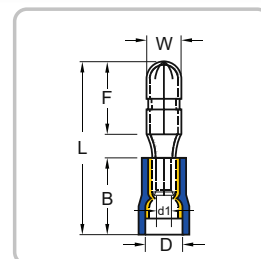
Product Code	Cross-Section mm ²	W	F	L	E	D	d1	T	Package Amount (Pcs)	Package Weight (~gr)
IK-110/12I	10 mm²	4,3	14,0	22,0	8,0	6,9	4,5	1,1	500	24,5
IK-116/13I	16 mm²	5,5	16,0	26,0	10,0	8,4	5,8	1,2	250	29,7
IK-125/15I	25 mm²	6,8	20,0	33,5	13,5	9,5	7,0	1,2	100	40,5
IK-135/20I	35 mm²	8,0	24,5	40,5	16,0	11,8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

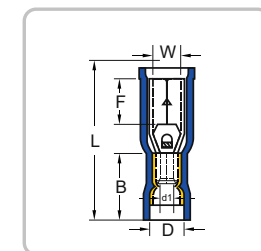


Product Code		Cross-Section mm²	Dimensions (mm)						Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
			W	F	L	B	D	d1			
	BE-1040	0,50 - 1,50 mm²	4,0	8,5	21,5	10,5	3,8	1,7	200	12.000	216
	BE-2040		4,0	8,5	21,7	10,5	4,7	2,3	200	12.000	235
	BE-2050		5,0	8,5	21,2	10,5	4,7	2,3	200	12.000	252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

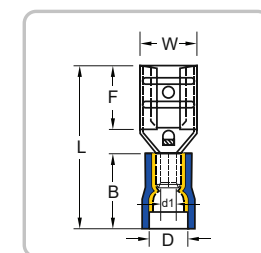


Product Code		Cross-Section mm²	Dimensions (mm)						Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
			W	F	L	B	D	d1			
	BD-1040	0,50 - 1,50 mm²	3,9	7,0	23,3	10,5	3,8	1,7	100	6.000	165
	BD-2040		3,9	7,0	23,3	10,5	4,7	2,3	100	6.000	174
	BD-2050		4,9	7,0	23,3	10,5	4,7	2,3	100	6.000	186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

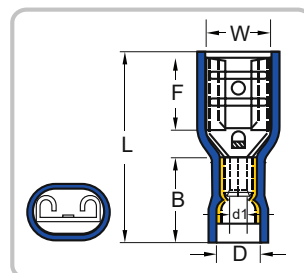


Fully Insulated Female Disconnectors - Insulated Cable Terminals (Extra Copper Sleeve)



Material
Insulation
Operating Temperature

: Brass, Tin Plated, Copper Sleeved
: PVC
: Maximum 75° 600 Volt



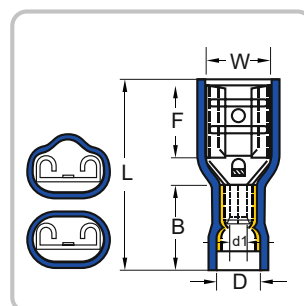
Product Code	Cross-Section mm ²	Socket Width	W	F	Dimensions (mm)				Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (-gr)
FFD-1288/5	0,50 - 1,50 mm ²	0,5 x 2,80	3,2	6,5	19,0	10,5	3,8	1,7	200	12.000	206
FFD-1288		0,8 x 2,80	3,2	6,5	19,0	10,5	3,8	1,7	200	12.000	206
FFD-1488/5		0,5 x 4,75	5,0	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 mm ²	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 mm ²	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
Insulation
Operating Temperature

: Brass, Tin Plated, Copper Sleeved
: Nylon
: Maximum 105° 600 Volt



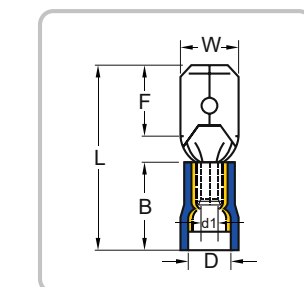
Product Code	Cross-Section mm ²	Socket Width	W	F	Dimensions (mm)				Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (-gr)
PFD-1288	0,50 - 1,50 mm ²	0,8 x 2,80	3,2	6,5	19,5	11,0	4,0	1,7	200	12.000	206
PFD-1638		0,8 x 6,35	6,6	7,5	21,5	11,0	4,0	1,7	100	6.000	159
PFD-2638	1,50 - 2,50 mm ²	0,8 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 mm ²	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
Insulation
Operating Temperature

: Brass, Tin Plated, Copper Sleeved
: PVC
: Maximum 75° 600 Volt



Product Code	Cross-Section mm ²	Socket Width	W	F	Dimensions (mm)				Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (-gr)
FE-1288	0,50 - 1,50 mm ²	0,8 x 2,80	2,8	6,5	19,2	10,5	3,8	1,7	200	12.000	176
FE-1488		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 mm ²	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 mm ²	0,8 x 6,35	6,35	7,7	24,0	13,0	6,2	3,4	100	6.000	204



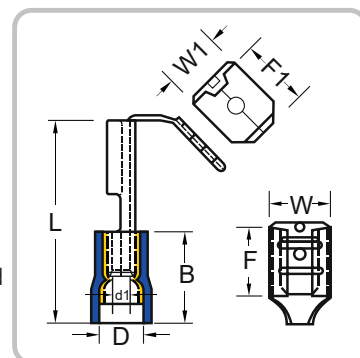
Piggy Back Disconnectors

Insulated Cable Terminals (Extra Copper Sleeve)



Material
Insulation
Operating Temperature

: Brass, Tin Plated, Copper Sleeved
: PVC
: Maximum 75° 600 Volt



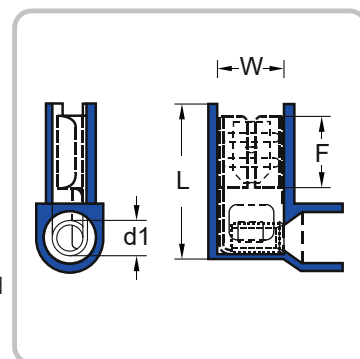
Product Code	Cross-Section mm²	Socket Width	Dimensions (mm)								Package Amount (Pcs)	Carton Quantity (Pcs)	Package Weight (~gr)
			W	W1	F	F1	L	B	D	d1			
 FDEG-1861	0,50 - 1,50 mm²	0,8 x 6,35	6,6	6,35	8,0	8,2	22,5	10,5	3,8	1,7	100	6.000	184
 FDEG-2862	1,50 - 2,50 mm²	0,8 x 6,35	6,6	6,35	8,0	8,2	22,5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

: Brass, Tin Plated, Copper Sleeved
: Nylon
: Maximum 105° 600 Volt



Product Code	Cross-Section mm ²	Socket Width	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

RENEWABLE ENERGIES





Connectors for Wiring Photovoltaic Panels – Connectors

Features

- Connecting device for photovoltaic plug-in system solution with the use of a tool.
- The products are compliant with TÜV standards.
- This connecting system is resistant to UV, Ozone and is IP67 making it compatible with the market standards.

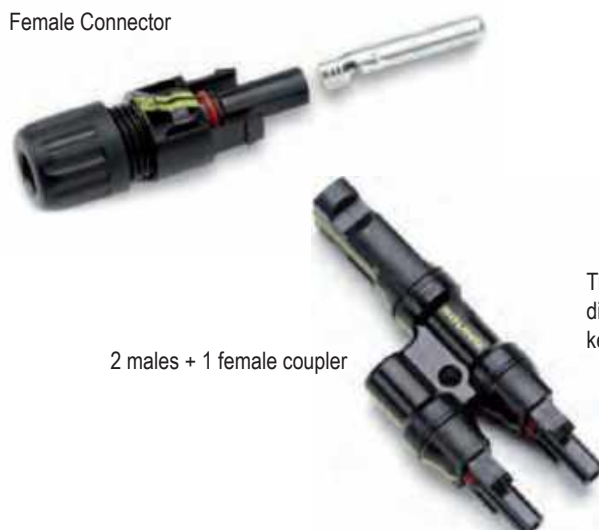
Contact Material	: Silvered Copper
Box Material	: Polycarbonate / Polyamide
Contact Diameter	: 4 mm
Acceptable Wire Size	: 4 to 6 mm ²
Cable Insulation Diameter	: 5 to 8 mm
Contact Type	: to be crimped

NEW



Female Connector

Male Connector

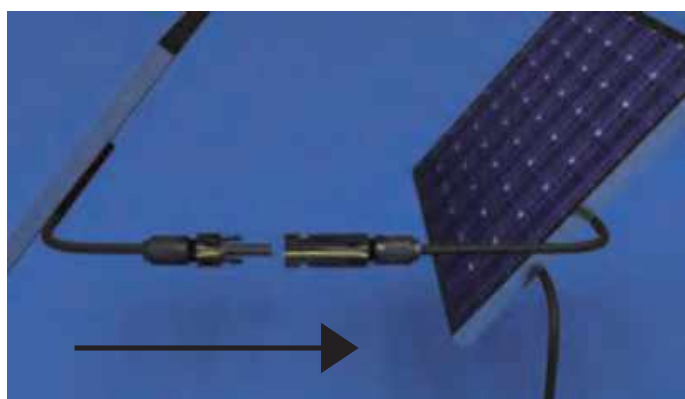


2 males + 1 female coupler

Tightening and
disassembly-Chuck
key



2 females + 1 male coupler



IP67 quick connection



Connection with IP67 coupler

Product Code	Description	Package Amount
CSMF4	Set Containing: 1 male contact - 1 male connector - 1 female contact - 1 female connector	100 pieces of each
CSM4	Male set: 1 contact + 1 connector	100 pieces of each
CSF4	Female set: 1 contact + 1 connector	100 pieces of each
CSMMF4	Male-Female / Female coupler	10
CSFFM4	Female - female / male coupler	10
CLECS	Tightening and disassembly-chuck key	1

Insulation Displacement – Connectors

Connectors for Equipotential Bonding

The **SOLFIT** range of connectors offers a convenient solution to most of installation requirement without the need for prior preparation of the green/yellow conductors.

A simple powered screwdriver is the only tool required.

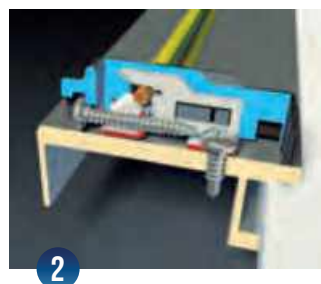
The electric contact with the photovoltaic panels is provided:

■ By tapping thanks to the thread pattern of the fixing screw (stainless steel), which creates the core contact in the aluminium frame, **1**

■ A contact is made with the green/yellow conductor thanks to the 2 stainless steel blades of the body in contact which cut and displace the cable insulation to achieve a reliable bond of the copper threads with the bonding tool. **2**

This technology achieves a contact of excellent quality, even the difficulty of an anodized surface on the panel does not present a problem.

This **SOLFIT** technology allows an individual frame to be disconnected without lessening the integrity of the connections to the other frames or the equipotential bond connecting them.



SOLFIT®

NEW

SOLFIT with ductile extender



SOLFIT 2 panel bonding

SOLFIT

Features

■ Thickness of the chassis for fixing/drilling:
-1,2 to 2mm in aluminium only.

Recommended Cable:

Type	Colour	Quality	Nbr of standards
6 mm ² insulated H07	green/yellow	Rigid	7

*according to the requirements of standard UTE C 15-712

	Product Code	Chassis Profile	Package Amount
	SFP6PI	Alu without hole (self-drilling screw)	100
	SFP6PI48	Alu with hole Ø4,2 (0,16") max. (self-tapping screw)	100
	SFP6PI2V	Alu without hole (self-drilling screw)	50
	SFP6PI55	Sreel with hole Ø5 (0,20") max. (self-drilling screw)	50
	SFP6PIPR	Alu without hole (self-drilling screw)	50



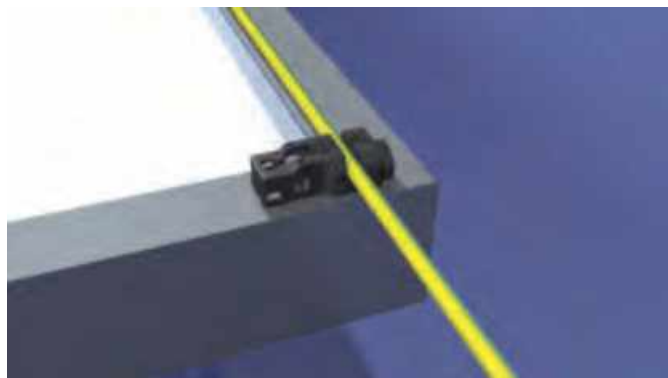
Connector for Equipotential Bonding - Connectors

SOLFIT

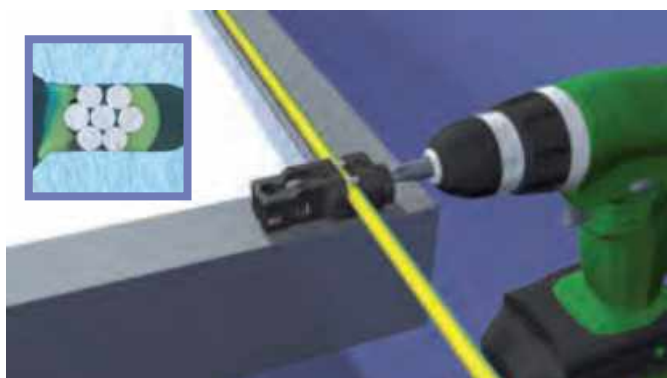
Example of a quick and reliable implementation of **SOLFIT**



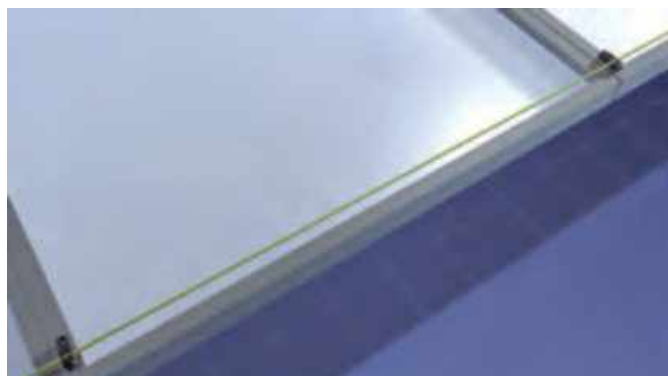
SOLFIT can be fixed quickly by drilling and tapping the chassis, using a screwdriver equipped.



The conductor is clipped without any effort or preparation.



The conductor is simultaneously fixed and put in electrical contact thanks to the cutting blades.



This installation method allows a panel to be removed without breaking the equipotential bonding.

SOLFIT connectors for specific applications from



SFP6PI2V2

It enables to connect directly 2 panels side by side when it is possible to have an access under the modules as for the installations on the ground



SFP6PIPR

It allows some flexibility in the positioning even when the Access and space requirements could imply a mounting which can be difficult or even impossible. After fixing, the operator can easily adjust the extender to operate the connection



Connector for Equipotential Bonding – Connectors

NEW

A secure equipotential bonding

SOLFIT® performs the equipotential bond by creating a high-quality electrical contact between the panel chassis and the earth conductor.

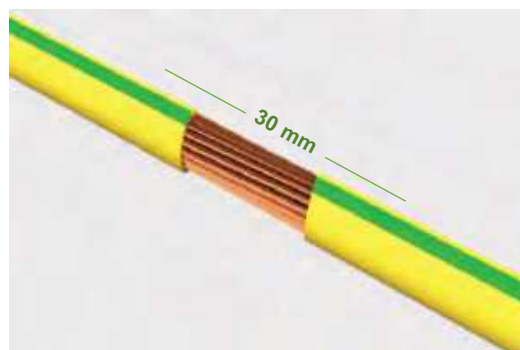
The module frames are made from aluminium which is either anodized or surface treated in some other way. These surface coatings protect the frame against corrosion but are not conductive.

Thanks to the range electrical contact with the aluminium of the panel is provided either by:

- Drilling/tapping, for models with screws secured by the thread pattern, or
- Bolting, using a toothed lock washer which abrades the surface coating when tightened.

The connection is secured by tightening the earth connector with a max. cross-section of 25 mm². If using a conductor with insulation, a length of 30 mm must be stripped.

All **SOLFIT**® models are made from stainless steel, guaranteeing excellent resistance against corrosion whilst ensuring galvanic compatibility with the aluminium.



SFP4RE6

With bolt for Ø6 mm (0,26») drilled hole. The toothed lock washer guarantees the electric contact.



SFP4VT10

With self-tapping screw for Ø 4mm. (0,16») drilled hole.



SFP4AF8/SFP6AF8

With self-drilled screw

Fixing on an existing drilled hole

Fixing without an existing drilled hole

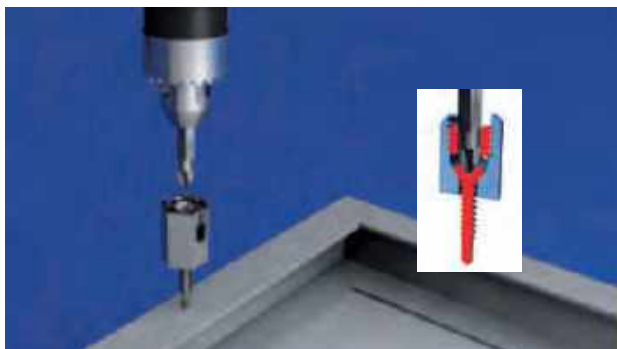


Connector for Equipotential Bonding – Connectors

SOLFIL®

NEW

Implementation of the **SOLFIL**® with self-drilling screw example:



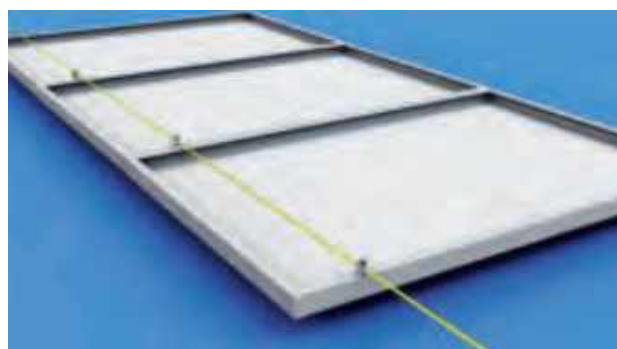
SOLFIL® can be fixed quickly by drilling and tapping the chassis, using a screwdriver equipped with a PZ2 cross-threaded bit. Thanks to its specific design, this operation is performed without removing the screw that tightens the cable.



After stripping a length of 30 mm, the earth conductor is installed.



The earth conductor is fixed using the tightening screw with a recess for a flat screwdriver.



This installation method allows a panel to be removed without breaking the earth circuit.

Product Code	Fixing	Material	Tightening capacity (mm)	Package Amount
 SFP4RE6	Bolt M6	Stainless Steel	Multi-strand or solid earth conductor 4 6 10 4+4 6+6	100 pcs
 SFP4VT10	Self-Tapping screw N°10(Ø 4.8 mm)			 100 pcs+1 Screwing bit
 SFP4AF8	Self-Drilling screw N°8(Ø 4.2 mm)		 100 pcs+1 Screwing bit	
 SFP6AF8				

SOLFIL® Connectors for «Tile Panel» Modules – Connectors

SOLFIL®

Utilisation of the already existing Ø 3.5 mm earthing holes. Screwdriver no. 2 or electric screwdriver with PZ2 bit.

Tighten the coupler to a maximum of 3 N/m. The flat face on the body prevents rotation during application

NEW

Installed
SOLFIL®

Profile of the tile
panel frame

Panel Cells

Tightening screw in
stainless steel

Flat surface on
stainless steel body

Stainless steel
self-tapping screw
Ø 4,2 mm



During tightening the **SOLFIL®** body
profile prevents unwanted rotation.

Product Code	Fixing	Material	Tightening capacity (mm)	Package Amount
 SFP41916	Self-Tapping screw(Ø 4.2 mm)	Stainless Steel	4 6 10 4+4 6+6	100 pcs+1 Screwing bit

Tooling for SOLFIL® Connectors – Connectors

SOLFIL specific bit	Product Code	Application
	EVBSFP	Specific bit adapted to the cable screwing on SOLFIL®

Insulation window stripping tool

Product Code	Stripping Capacity
 DSOLFILSFP	4 - 25 mm ²
LAMEDSOLFIL	Set of spare blades(4 short+ 1 long)



HAND TOOLS





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

SFK-Y0810



- 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.

Technical Data

Cross-Section	: 0,08-10 mm ² (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



Crimping Form



SFK-Y0816



- 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

Technical Data

Cross-Section	: 0,08-16 mm ²
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



SFK-Y01416



- 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 multitool.

Technical Data

Cross-Section	: 0,14-16,0 mm ² (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



Crimping Form



SFK-Y0256



- 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

Technical Data

Cross-Section	: 0,25-6,0mm ² (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



Crimping Form





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

SFK-Y1050



- 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 multitool.

Technical Data

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

Terminal / Connector Type



Crimping Form



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



Crimping 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



- 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
- It can be used with SAP-0560 Clip & Strip unit.
- Chirmping Form
- Completely made of high-tempered special steel, specific stressed parts are specially heat treated

Technical Data

Cross-Section	: 0,25-1,0 mm ² (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



Crimping Form



SFK-IZ0560



- 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

Technical Data

Cross-Section	: 0,5-6,0 mm ² (20-18; 16-12; 12-10 AWG)
Length	: Approx. 220mm
Width	: Approx. 80mm
Weight	: Approx. 480g.

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

Terminal / Connector Type



Crimping Form





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

Cable Lug Crimping Tools - Heavy Duty Mechanical Hand Tools

SFK-K07516



- 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

Technical Data

Cross-Section	: 0,75-16,0 mm ² (18-16; 14; 12; 10-8; 6 AWG)
Length	: Approx. 285mm
Width	: Approx. 90mm
Weight	: Approx. 575g.



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

Terminal / Connector Type



Crimping Form



Connector Crimping Tools - Heavy Duty Mechanical Hand Tools

SFK-D8



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

Terminal / Connector Type



Cable Stripping Tools - Heavy Duty Mechanical Hand Tools

SFK-S0316



- 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

Technical Data

Stripping Range	: 0,03-16,0 mm ²
Length	: Approx. 202mm
Weight	: Approx. 195g.

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.



XLPE Cable Stripping Tools - Mechanical Crimpers and Cutters

OGS-40



- Strips the carbon layer of XLPE cables

Technical Data

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

OGS-50



- Strips the carbon layer of XLPE cables

Technical Data

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

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

WEICON TOOLS
No. 1 in Form & Funktion

NO-25

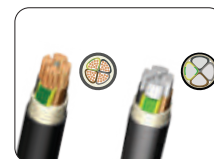
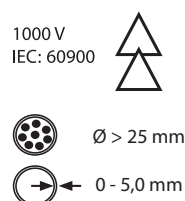


Technical Data

Length	: 210 mm
Weight	: 0,163 kg.

For convenient longitudinal and circular cuts

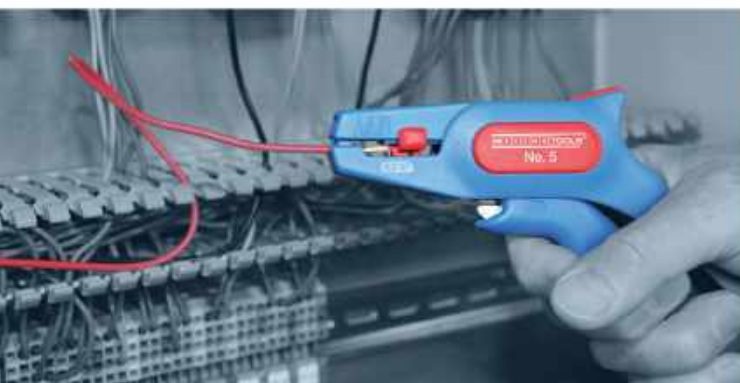
- no scratching of sensitive surfaces
- conductive ESD material protects against electrostatic discharge
- flexible fibreglass-reinforced polyamide
- stainless steel blade to remove adhesive residues





WEICON TOOLS

No.1 in Form & Funktion





Cable Stripper



WEICON TOOLS

No.1 in Form & Funktion

S-4-28



Technical Data

Stripping Range	: 4-28 Ømm
Length	: 145 mm
Weight	: 0,72 kg.

- Completely ergonomic & fully insulated
- Continuous regulation and easy to operate adjusting wheel
- Precise, quick and safe stripping



S-4-28Multi



Technical Data

Stripping Range	: 4-28 Ømm
Length	: 145 mm
Weight	: 0,61 kg.

- Stripping function integrated in the housing
- Stripping of all standard flexible and solid cables with a cross-diameter between 0,5 and 6 mm²



NO-4-16 / NO-8-27



NO-4-16

Technical Data

Stripping Range	: 4-16 Ømm
Length	: 140 mm
Weight	: 0,84 kg.

NO-8-27

Technical Data

Stripping Range	: 8-28 Ømm
Length	: 140 mm
Weight	: 0,92 kg.

NO-28-35 / NO-35-50



NO-28-35

Technical Data

Stripping Range	: 28-35 Ømm
Length	: 170 mm
Weight	: 0,87 kg.

NO-35-50

Technical Data

Stripping Range	: 35-50 Ømm
Length	: 180 mm
Weight	: 0,90 kg.

4-28H



Technical Data

Stripping Range	: 4-28 Ømm
Length	: 185 mm
Weight	: 0,98 kg.

* **Double Blade**

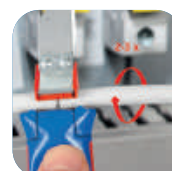


4-28G



Technical Data

Stripping Range	: 4-28 Ømm
Length	: 195 mm
Weight	: 0,104 kg.





Cable Stripper



WEICON TOOLS

No. 1 in Form & Funktion

NO-5



Technical Data

Cable Size	: 0,2-6 mm ² (24-10AWG)
Length	: 170 mm
Weight	: 0,107 kg.



- Saves space by locking the wire stripper
- Automatic wire stripper
- Precise work with adjustable length stop (5 - 12 mm)
- Integrated, well accessible side cutter up to 2 mm Ø

NO-6



1000 V
IEC: 60900



Technical Data

Cable Size	: 0,2-6 mm ² (24-10AWG)
Length	: 170 mm
Weight	: 0,105 kg.



- Working under voltage up to 1000 Volt* Unit testing according to DIN EN 60900
- Fully insulated, automatic Wire Stripper
- Precise work with adjustable length stop (5 - 12 mm)
- Saves space by locking the strippers

*Tools with safety insulation are basic prerequisites for working on equipment under voltage. Please always pay attention to the legal regulations and follow the corresponding safety advice!

NO-7R



Technical Data

Cable Size	: 0,5-16 mm ² (20-6AWG) /Flexible 0,5-10 mm ² (20-8AWG) /Solid
Length	: 170 mm
Weight	: 0,217 kg.



The all-rounder for stripping and dismantling

- For many different cable types in building installation
- Precise work with optical length scale
- Integrated, well accessible side cutter up to 3 mm Ø

NO-7F



Technical Data

Cable Size	: 0,75-4 mm ² (18-11AWG) /Flat Cable
Length	: 170 mm
Weight	: 0,220 kg.



Stripping and dismantling of all standard flat cables

- Precise work with optical length scale
- Integrated, well accessible side cutter up to 3 mm Ø

NO-16

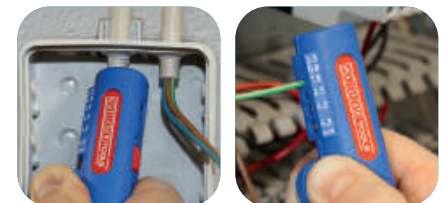


Technical Data

Stripping Range	: 8-13 Ømm
Cable Size	: 0,5-6 (20-10AWG)
Length	: 125 mm
Weight	: 0,53 kg.

Multifunctional with optimized cable routing

- Circular and longitudinal cutting - stripping - cutting
- Exchangeable hook blade, firmly locked in any position
- Anti-slip handle shape



NO-13



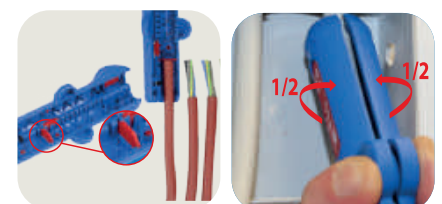
Technical Data

Stripping Range	: 6-13 Ømm
Length	: 120 mm
Weight	: 0,44 kg.

Safe work with the ergonomic anti-slip handle shape

- For all standard round cables
- Flush stripping, even in hard-to-reach areas

- It is not necessary to adjust the cutting depth





Cable Stripper



WEICON TOOLS

No. 1 in Form & Funktion

NO-10



Technical Data

Stripping Range	: 4,5-10 Ømm
Length	: 140 mm
Weight	: 0,48 kg.

Easy and space-saving stripping of data and network cables

- Suitable for e.g. Cat5, Cat6, Cat7 twisted-pair cables (4,5-10mm Ø)
- Integrated length stop, adjustable to the required length
- Safe work with the ergonomic anti-slip handle shape



NO-2



Technical Data

Stripping Range	: 4,8-7,5 Ømm
Length	: 110 mm
Weight	: 0,28 kg.

Good handling due to ergonomic design

- Two-level stripping of all common coaxial cables
- There is no need to adjust the cutting depth
- Also suitable for flexible cables
- Length scale (0 - 17 mm) integrated in the housing



NO-3



Technical Data

Stripping Range	: 4,8-7,5 Ømm
Length	: 125 mm
Weight	: 0,55 kg.

Parallel blade arrangement allows even faster stripping

- Allows two- or three-level stripping of all common coaxial cables
- Also suitable for flexible cables
- Integrated and well accessible side cutter up to 8 mm Ø



NO-30



Technical Data

Stripping Range	: 4-10 Ømm
Cable Size	: 0,05-0,5 mm (0,2-0,8Ø) (30-20AWG)
Length	: 125 mm
Weight	: 0,60 kg.

Inner blade can be set to the insulation thickness

- Removal of the outer insulation on data cables
- Stripping of conductors and stranded wires e.g. telephone lines
- Precise stripping with adjustable length stop (3,5 - 14 mm)
- Integrated, well accessible side cutter up to 8 mm Ø



NO-1FPlus



Technical Data

Stripping Range	: 7 Ømm
Length	: 125 mm
Weight	: 0,47 kg.

Quick dismantling and stripping of coaxial cables with only one working step

- Space-saving assembly and disassembly of F-connectors due to integrated open hexagon wrench with 11mm width across flats
- Gripping jaws for screwing F-connectors onto the cable
- Changeable module inserts via click system





Cable Stripper


WEICON TOOLS
No. 1 in Form & Funktion

NO-100



Technical Data

Stripping Range	: 4-13 Ømm
Cable Size	: 0,5-16 mm (20-6AWG)
Length	: 140 mm
Weight	: 0,74 kg.

Universal tool for dismantling and stripping

- For many different cable types in building installation
- Flush stripping on ceilings and walls
- Allows circular and longitudinal stripping

NO-400



Technical Data

Stripping Range	: 8-13 Ømm
Length	: 155 mm
Weight	: 0,79 kg.

Multifunctional with 4 functions

- Circular cutting - longitudinal cutting - stripping - cutting
- Flush stripping, even in hard-to-reach areas
- Safe and space saving storage with closing clip

NO-150



Technical Data

Cable Size	: 0,5-6 (20-10AWG)
Length	: 160 mm
Weight	: 0,112 kg.

Automatic wire stripper

- Allows quick and accurate stripping
- Precise work with integrated length scale
- Easily accessible built-in side cutter for cables up to 6 mm²

NO-200



Technical Data

Stripping Range	: 4-28 Ømm
Cable Size	: 0,5-6 (20-10AWG)
Length	: 160 mm
Weight	: 0,123 kg.

Professional dismantling and stripping

- Quick and simple stripping from 0,5 mm² to 6,0 mm²
- Dismantling: Working range 4 - 28 mm Ø
- Spare blade in the handle case

NO-300

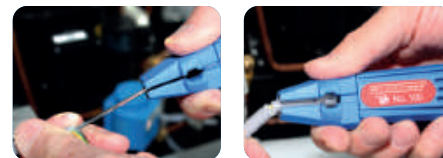


Technical Data

Cable Size	: 0,5-6 (20-10AWG)
Length	: 160 mm
Weight	: 0,116 kg.

Stripping and crimping with just one tool

- Insulation removal from 0,5 mm² to 6,0 mm²
- Two crimping ranges are offered (0,5 - 2,5 mm² and 4,0 - 6,0 mm²) according to DIN 46228-2
- Integrated, well accessible side cutter up to 6 mm²





Cable Stripper



No. 1 in Form & Funktion

NO-3Solar



Technical Data

Cable Size	: 1,5 - 6 mm (15-9 AWG)
Lenght	: 125 mm
Weight	: 0,58 kg.



Special tools for dismantling and stripping of all common cables in the solar sector

- Quick stripping of all common solar cables with outer diameters from 1,5 mm² to 6 mm²
- Precise work with adjustable length stop (6 - 28 mm)
- Integrated, well accessible side cutter up to 4 mm²

NO-7Solar



Technical Data

Cable Size	: 1,5 - 6 mm (15-9 AWG)
Lenght	: 170 mm
Ağırlık	: 0,218 kg.



Special tools for dismantling and stripping of all common cables in the solar sector

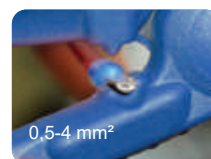
- Automatic wire stripper
- Precise work with optical length scale (up to 26 mm)
- Integrated, well accessible side cutter up to 3 mm Ø

NO-35



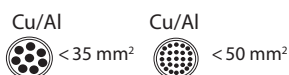
Technical Data

Lenght	: 180 mm
Weight	: 0,22 kg.



Cutting - stripping - crimping

- ▶ 2-component handles for increased safety
- ▶ High cutting performance
- ▶ Blades made of special stainless steel



HD-1000



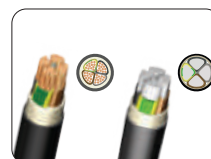
Technical Data

Lenght	: 215 mm
Weight	: 0,93 kg.

Working under voltage up to 1000 Volt* Unit testing according to DIN EN 60900

- Quick cutting of multiple insulated cables
- Conductor protection with the curved blade tip
- Good transfer of force due to optimised handle shape

**Tools with safety insulation are basic prerequisites for working on equipment under voltage.
Please always pay attention to the legal regulations and follow the corresponding safety advice!



1000 V
IEC: 60900





Electric Machine to Crimp End Sleeves Tape Mounted – Mechanical Hand Tools

NEW

CE



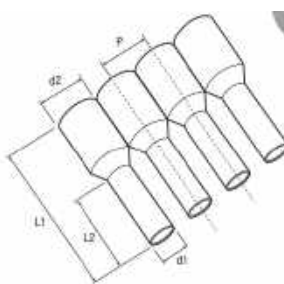
Features

- Automatic stripping of PVC preinsulated wires and crimping of preinsulated end sleeves tape mounted from 0.5 to 2.5 mm².
- Crimping of end sleeves in compliance with NF C 63-023 and DIN46228 standards.

Technical Data

Cable Size	: 0,50 – 2,50 mm ²
Dimension	: 165x270x320 mm.
Weight	: 12kg.

Product Code	Description
MC25	Electric Machine to Crimp End Sleeves Tape Mounted



- Main Supply: 220 V - 50 Hz
- Cycle: approx. 1,5s
- Conductor size changing: approx 10s
- Counter : LCD Display

Product Code	"Cross Section mm ² "	Colour	L1	L2	d1	d2	P	Package Amount
BCE005	0,5	White	14,5	8	1,1	2,6	3,5	1000
BCE007	0,75	Blue	14,5	8	1,3	2,8	3,6	1000
BCE010	1	Red	14,5	8	1,5	3,0	3,9	1000
BCE015	1,5	Black	14,5	8	1,8	3,4	4,2	1000
BCE025	2,5	Grey	14,5	8	2,3	4,2	5,0	500



Cord-end Sleeve Crimping Tools - *Hand Tools*

SFK-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.



SFK-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.



SFK-8

Crimping 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.



Insulated Terminals Crimping Tools - *Hand Tools*

SFK-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



SFK-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





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 : 1,50 - 6,00 mm²
Length : 225 mm
Weight : 510 g.



SFK-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 : 1,50 - 6,00 mm²
Length : 227 mm
Weight : 560 g.



SFK-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/HD-25L



- 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.

Crimping Form

Terminal / Connector Type



SFK-T8



- Crimping for 1,50– 10,00 mm² cable lugs
- Point crimping
- 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

Crimping Form

Terminal / Connector Type



SFK-9



- Crimping for 10,00– 16,00 mm² cable lugs
- Point crimping
- Ratchet crimping mechanism and force adjustment is available
- Handles are plastic insulated

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

Crimping Form

Terminal / Connector Type



NEW

MY2913GE2



- Mechanical hand tools to crimp brazed terminals, non-insulated and preinsulated tubular lugs, copper butt connectors
- For non-insulated tubular lugs from 10 to 120 mm². - **MY2913GE2**
- For preinsulated tubular lugs from 10 to 95 mm² - **MY287**

Cross-Section : 10,00 – 120,00
Length : 580 mm.
Weight : 3,70 kg.

Connector Crimping Tools - Hand Tools

RJ-86



- 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.

Terminal / Connector Type



RG-9600



- 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.

Terminal / Connector Type





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

Cable Tie Type : Nylon
Cable Tie Ten. Width : 2,2 - 4,8 mm
Length : 160 mm
Weight : 0,300 kg

TG-009



- Tie gun for nylon cable ties with the width 3,6 – 9,0mm.

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*

SKS-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

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

Technical Data

Crimping Range	: 10,00 - 120 mm ²
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

Crimping Form



SP-300

Technical Data

Crimping Range	: 10,00 - 300 mm ²
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.

Crimping Form



SP-0650

Technical Data

Crimping Range	: 6,00 - 50,00 mm ²
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

Crimping Form



SP-10120

Technical Data

Crimping Range	: 10,00 -120,00 mm ²
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

Crimping Form



SP-25150

Technical Data

Crimping Range	: 25,00 - 150 mm ²
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

Crimping Form





Copper Cable Cutters - Mechanical Crimpers and Cutters



SCC-250

Technical Data

Max. Cross Section	: 325 mm ² veya 3x70 + 35 mm ²
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.



SCC-500

Technical Data

Max. Cross Section	: 500 mm ² or 3x120 + 70 mm ²
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.



Copper Cable Cutters - Mechanical Crimpers and Cutters

CC-60

Technical Data

Max. Cross Section	: 50 mm ²
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 mm ² veya 4 x 16 mm ²
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 mm ² veya 3 x35 + 16 mm ²
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.



Wiring Duct Cutter

- It allows you to cut straight and 45 ° angle cuts in all cable channels and plastic channels.
- Can cut plastic pipe and spiral flexible pipe.
- There is a safety lock cover.





Copper Cable Cutters - Mechanical Crimpers and Cutters



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 mm ² AL max. 380 mm ²
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 appropriate for cutting plastic and rubber insulated cables. Please do not use for steel wire.



SCR-600

Technical Data

Max. Cross Section	: max. 480 mm ²
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 mm ² AL max. 480 mm ²
Max. Diameter Ø	: Cu Al cable until max. Ø 62 mm
Length	: 297 mm
Weight	: 820 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-1000T

Technical Data

Max. Cross Section	: max. 2x 400 mm ² 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

AL-Steel cable hardened 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 mm ²
Stroke mm.	: 13 mm.
Length mm.	: 365 mm.
Weight kg.	: 2,950 kg.



S-6 Hydraulic Tools (Body)

Die Types

SFK60ST Series	P117
SFK60SE Series	P118
SFK60D Series	P118
SFK60N Series	P119

S-60

Technical Data

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



S-6 Hydraulic Tools (Body)

Die Types

SFK60ST Series	P117
SFK60SE Series	P118
SFK60D Series	P118
SFK60N Series	P119



Hydraulic Crimping Tools and Heads - Hydraulic Tools



SC-130

Technical Data

Crimping Force kN	: 130 kN
Crimping Range mm ²	: 16 - 300 mm ²
Stroke mm.	: 26 mm.
Length mm.	: 545 mm.
Weight kg.	: 5,360 kg.

SC-130 Hydraulic Tools (Body)

Die Types

SFK130ST Series	P120
SFK130SE Series	P120
SFK130D Series	P121
SFK130N Series	P121
SFK130BS Series	P123
SFK130AL Series	P123



SC-130L

Technical Data

Crimping Force kN	: 130 kN
Crimping Range mm ²	: 16 - 400 mm ²
Stroke mm.	: 38 mm.
Length mm.	: 545 mm.
Weight kg.	: 5,360 kg.

SC-130L Hydraulic Tools (Body)

Die Types

SFK130ST Series	P120
SFK130SE Series	P120
SFK130D Series	P121
SFK130N Series	P121
SFK130H Series	P122
SFK130C Series	P122
SFK130BS Series	P123
SFK130AL Series	P123



Hydraulic Crimping Tools and Heads - Hydraulic Tools



SXC-130

Technical Data

Crimping Force kN	:	130 kN
Crimping Range mm ²	:	16-300 mm ²
Stroke mm.	:	26 mm.
Length mm.	:	195 mm.
Weight kg.	:	3,900 kg.

Crimping Form



SXC-130 Hydraulic Cable Lug Crimping Head

Kullanılacak Çene Tipleri

SFK130ST Series	P120	SFK130H Series	P122
SFK130SE Series	P120	SFK130C Series	P122
SFK130D Series	P121	SFK130BS Series	P123
SFK130N Series	P121	SFK130AL Series	P123



SXC-130L

Technical Data

Crimping Force kN	:	130 kN
Crimping Range mm ²	:	16-400 mm ²
Stroke mm.	:	38 mm.
Length mm.	:	270 mm.
Weight kg.	:	4,700 kg.

Crimping Form



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

Kullanılacak Çene Tipleri

SFK130ST Series	P120	SFK130H Series	P122
SFK130SE Series	P120	SFK130C Series	P122
SFK130D Series	P121	SFK130BS Series	P123
SFK130N Series	P121	SFK130AL Series	P123



SHK-25

Technical Data

Crimping Force kN	:	250 kN
Crimping Range mm ²	:	16-600 mm ²
Stroke mm.	:	23 mm.
Length mm.	:	260 mm.
Weight kg.	:	7,200 kg.

Crimping Form



SHK-25 Hydraulic Cable Lug Crimping Head

Kullanılacak Çene Tipleri

SFK130ST Series	P120	SFK130H Series	P122
SFK130SE Series	P120	SFK130C Series	P122
SFK130D Series	P121	SFK130BS Series	P123
SFK130N Series	P121	SFK130AL Series	P123



SCPF130K

Technical Data

Power	:	130kN
Pressure	:	to be connected 700bar hydraulic pump
Ram stroke	:	40mm.
Crimping Range	:	6-300 mm ² DIN Type Dies
Dimensions	:	270mm. x 200mm. x 120mm.
Weight	:	12kg



Connectable Hydraulic Tool Stationary Equipment



Hydraulic Crimping Tools and Heads - Hydraulic Tools



SHK-45

Technical Data

Crimping Force kN	: 450 kN
Crimping Range mm ²	: 16-600 mm ²
Stroke mm.	: 23 mm.
Length mm.	: 260 mm.
Weight kg.	: 7,200 kg.

Crimping Form



SHK-45 Hydraulic Cable Lug Crimping Head

Die Types

SFK130ST Series	P120	SFK130H Series	P122
SFK130SE Series	P120	SFK130C Series	P122
SFK130D Series	P121	SFK130BS Series	P123
SFK130N Series	P121	SFK130AL Series	P123



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 Pheasant conductors
- Please do not crimp without the dies installed

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 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



Hydraulic Cutters and Cutting Heads - Hydraulic Tools



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



Hand Hydraulic Hollow Punces – Punch



Metal sheet punching: max.
3mm thick
(370 N / mm²)

Integrated pump
and jack

LS6

Technical Data

Force	: 50 kN
Length	: 220 mm.
Weight	: 2,270 kg.

NEW

Delivered in metal box with the following accessories:

Six punces and dies with various diameters: 15.2 – 18.6 – 20.4 - 22.5 - 30.5 mm.

AEP 95 - Pulling axle

DEP 95 – Pulling Socket

ET 22 – Cross bar

Metal sheet punching:
max. 3mm thick
(370 N / mm²)



Swiveling and
tilting head on
180 °

Integrated pump
and jack

HVEP72

Technical Data

Force	: 70 kN
Length	: 220 mm.
Weight	: 3,200 kg.

Delivered with a carrying bag.

NEW

Reinforced housing
IP54 for use in
work site conditions



Swiveling and
tilting head on
180

Metal sheet
punching:
max. 3mm
thick
(370 N / mm²)

ESEP70A

Technical Data

Force	: 70kN
Stroke	: 22 mm
Punching Capacity	: Ømax 100mm, max plate thickness 3mm (370MPa)
Autonomy	: 150 to 220 cycles with 4,0 Ah battery
Cycle Time	: 3 to 5 s
Dimensions	: 350 x 310 x 72 mm
Temperature of Operation	: -10°C à +40°C
Weight	: 4,54 kg (battery included)

- **Electro-hydraulic punching tool compact equipped with 18,0V 4,0Ah battery for a greater autonomy.**
- **Ambidextrous tool with easy handling, improved ergonomics thanks to the bi-material housing and allowing the use of gloves**
- **Kit contents ESEP70AK1BLCM :**

BL1840

2 batteries 18V 4Ah BL1840

CLM1890-HC

charger 220V

CM-ESU137

metallic carrying case



CM-ESU-137



BL1840



CLM1890HC



Round Punches and Dies



Steel Metal Sheet for Hollow Punches

Dimensions(mm)	Corresponding Cable Gland	Punches	Dies	Rubber
15,2	9	PEP15	MEP15	-
16,0	-	PEP16	MEP16	-
16,2	-	PEP162	MEP162	-
16,5	ISO 16	PEP165ISO	MEP165ISO	-
18,6	11	PEP186	MEP186	CEP186
19,0	-	PEP19	MEP19	CEP19
20,0	-	PEP20	MEP20	CEP20
20,4	13 ISO 20	PEP204	MEP204	CEP204
20,5	ISO 20	PEP205ISO	MEP205ISO	CEP205ISO
22,5	16,00	PEP225	MEP225	CEP225
25,5	ISO 25	PEP255ISO	MEP255ISO	CEP255ISO
28,3	21,00	PEP283	MEP283	CEP283
30,5	-	PEP305	MEP305	CEP305
32,0	ISO 32	PEP32	MEP32	CEP32
32,5	ISO 32	PEP325ISO	MEP325ISO	CEP325ISO
33,0	-	PEP33	MEP33	CEP33
35,0	-	PEP35	MEP35	CEP35
37,0	29,00	PEP37	MEP37	CEP37
40,0	ISO 40	PEP40	MEP40	CEP40
40,5	ISO 40	PEP405ISO	MEP405ISO	CEP405ISO
43,2	-	PEP432	MEP432	CEP432
44,0	-	PEP44	MEP44	CEP44
47,0	36,00	PEP47	MEP47	CEP47
48,0	-	PEP48	MEP48	CEP48
50,0	ISO 50	PEP50	MEP50	CEP50
50,5	ISO 50	PEP505ISO	MEP505ISO	CEP505ISO
54,0	42,00	PEP54	MEP54	CEP54
55,0	-	PEP55	MEP55	CEP55
59,3	48	PEP593	MEP593	CEP593
63,5	ISO 63	PEP635ISO	MEP635ISO	CEP635ISO
65,0	-	PEP65	MEP65	CEP65
66,0	-	PEP66	MEP66	CEP66
70,0	-	PEP70	MEP70	CEP70
75,0	-	PEP75	MEP75	CEP75
80,0	-	PEP80	MEP80	CEP80
82,0	-	PEP82	MEP82	CEP82
86,0	-	PEP86	MEP86	CEP86
90,0	-	PEP90	MEP90	CEP90
92,0	-	PEP92	MEP92	CEP92
100,0	-	PEP100	MEP100	CEP100

Pulling Axle	Pulling Socket	Cross Bar
AEP95	DEP95	ET22
AEP190	ET22	-



Round Punches and Dies



Stainless Steel Metal Sheet for Hollow Punches

Dimensions(mm)	Corresponding Cable Gland	Punches	Dies	Axle for Punch	Dimensions(mm)	Sochet
16,5	ISO 16	PEP165INOX	MEP165INOX	AEP95INOX	9,5	DEP95
20,4	PG 13	PEP204INOX	MEP204INOX	AEP135INOX	13,5	
20,5	ISO 20	PEP205INOX	MEP205INOX	AEP135INOX	13,5	
22,5	PG 16	PEP225INOX	MEP225INOX	AEP135INOX	13,5	
25,5	ISO 25	PEP255INOX	MEP255INOX	AEP135INOX	13,5	
30,5	-	PEP305INOX	MEP305INOX	AEP135INOX	13,5	
32,5	ISO 32	PEP325INOX	MEP325INOX	AEP190INOX	19,0	
40,5	ISO 40	PEP405INOX	MEP405INOX	AEP190INOX	19,0	
50,5	ISO 50	PEP505INOX	MEP505INOX	AEP190INOX	19,0	
63,5	ISO 63	PEP635INOX	MEP635INOX	AEP190INOX	19,0	



Square and Rectangular Punches and Dies Steel Metal Sheet for Hollow Punches

Dimensions(mm)	Punch	Dies	Axle for Punch	Volt for Punch
17 x 17	PEPC17	MEPC17	AEPC66	EEPC70
26 x 26	PEPC26	MEPC26	AEPC50	EEPC42
46 x 46	PEPC46	MEPC46	AEPC41	EEPC43
51,5 x 51,5	PEPC51	MEPC51	AEPC41	EEPC43
68 x 68	PEPC68	MEPC68	AEPC41	EEPC43
72 x 72	PEPC72	MEPC72	AEPC41	EEPC43
92 x 92	PEPC92	MEPC92	AEPC41	EEPC43

21 x 27	PEPR2127	MEPC17	AEPC66	EEPC70
22 x 33	PEPR33	MEPC26	AEPC50	EEPC42
22 x 42	PEPR42	MEPC46	AEPC41	EEPC43
25 x 50	PEPR50	MEPC51	AEPC41	EEPC43
26 x 27	PEPR27	MEPC68	AEPC41	EEPC43
27 x 33	PEPR2733	MEPC72	AEPC41	EEPC43
30,5 x 50	PEPR30550	MEPC92	AEPC41	EEPC43
42 x 46	PEPR46	MEPR46	AEPR41	EEPR43
44 x 92	PEPR92	MEPR92	AEPR41	EEPR43

NEW RANGE OF ELECTRO-HYDRAULIC COMPRESSION TOOLS

- *Ergonomy
- *Faster Crimping
- *Extended Autonomy
- *Intelligent data monitoring





Battery Operated Hydraulic Crimping and Cutting Tools

EID51



Technical Data

Crimping Force	50 kN
Crimping Range	6 - 150 mm ²
Battery Voltage	18V
Battery Capacity	1.5 Ah Li-Ion
Weight of battery	0,415 kg
Weight incl. Battery	2,380 kg
Dimension	400x125x80

Features

- "Stick" electro-hydraulic compression tool for an optimal ergonomy.
- Battery tool for a greater efficiency and in complete safety.
- Automatic piston return and engine stop when the crimping has been completed.
- Hand ram return in approach phase.
- Interchangeable simple or reversible compression dies
- Die ball locking system
- A USB interface allows a computer to trace the tool usage history (number of compressions, warranty date, curve of each compression...) using dedicated software delivered with the tool. This technology is extremely useful for service and control purposes. Tool memory capacity: 1 Gb



**Easy Head
Opening**



**Ergonomic handling
thanks to the STICK
shape and the bi-
material cushion
handle**



**Lithium-Ion 18V - 1.5 Ah
battery with built-in charge
indicator light. Without
memory effect, this battery
is 30% lighter than more
commonly used batteries**



**Nickel plated head
rotates through 360°**



**Service indicator lights
informing about the
battery charge level
and service control if
necessary**



**Integrated electronics
enabling to control the
operating parameters with
warning lights and USB
interface**

Product

EID51

Scope of Supply

Body + BL1815I Battery + CH1830HC Charger
CD-ROM and USB Cable
Metal Case

Accessory

Battery	P116
Charger	P116
Metal Case	
D5R Series Dies	



Battery Operated Hydraulic Crimping and Cutting Tools

ESD-50



Technical Data

Crimping Force	50 kN
Crimping Range	6 - 150 mm ²
Stroke / Opening Width	13mm
Crimping Cycle	2sn-4sn
Battery Voltage	18V
Battery Capacity	4.0 Ah Li-Ion
Weight of battery	0,85 kg
Weight incl. Battery	4,00 kg
Dimension	350x310x72mm

Features

- Electronic control of the cycle.
- Return programming according to the user, either automatic or manual.
- Automatic or manual return stroke.
- Automatic stop at the end of the cycle.
- 2-stage hydraulic pump with pilot-operated valve which increases efficiency between 20 and 40%.
- Return sound signal.
- New PC software for diagnosis and analysis of data.



Easy Head Opening



Service indicator lights informing about the battery charge level and service control if necessary



Lithium-Ion 18V - 1.5 Ah battery with built-in charge indicator light. Without memory effect, this battery is 30% lighter than more commonly used batteries



Nickel plated head rotates through 180°



Comfortable and accurate handling thanks to the shape and the materials used in the handle.



Integrated electronics enabling to control the operating parameters with warning lights and USB interface

Product

ESD-50

Scope of Supply

Metal Case
(Body + 2pcs. BL1840 Battery + CLM1890HC Charger)

Accessory

Battery	P116
Charger	P116
Metal Case	
D5R Series Dies	



Battery Operated Hydraulic Crimping and Cutting Tools

ESDC60



Technical Data

Crimping Force	60 kN
Crimping Range	10 - 300 mm ²
Stroke / Opening Width	17mm
Crimping Cycle	2sn-5sn
Battery Voltage	18V
Battery Capacity	4.0 Ah Li-Ion
Weight of battery	0,64 kg
Weight incl. Battery	4,50 kg
Dimension	350x315x72mm

Features

- Electronic control of the cycle.
- Return programming according to the user, either automatic or manual.
- Automatic or manual return stroke.
- Automatic stop at the end of the cycle.
- 2-stage hydraulic pump with pilot-operated valve which increases efficiency between 20 and 40%.
- Return sound signal.
- New PC software for diagnosis and analysis of data.



Easy Head Opening



Service indicator lights informing about the battery charge level and service control if necessary



Lithium-Ion 18V - 1.5 Ah battery with built-in charge indicator light. Without memory effect, this battery is 30% lighter than more commonly used batteries



Nickel plated head rotates through 180°



Comfortable and accurate handling thanks to the shape and the materials used in the handle.



Integrated electronics enabling to control the operating parameters with warning lights and USB interface

Product

ESD-60

Scope of Supply

(Body + **2pcs. BL1840 Battery** + CLM1890HC Charger)
Metal Case

Accessory

Battery	P116
Charger	P116
Metal Case	
SFK60ST Series Dies	P117
SFK60SE Series Dies	P118
SFK60DIN Series Dies	P118
SFK60N Series Dies	P119



Battery Operated Hydraulic Crimping and Cutting Tools

ESC-125



Technical Data

Crimping Force	120 kN
Crimping Range	16 - 400 mm ²
Stroke / Opening Width	25mm
Crimping Cycle	5sn-8sn
Battery Voltage	18V
Battery Capacity	4.0 Ah Li-Ion
Weight of battery	6,40 kg
Weight incl. Battery	6,80 kg
Dimension	385x315x72mm

Features

- Electronic control of the cycle.
- Return programming according to the user, either automatic or manual.
- Automatic or manual return stroke.
- Automatic stop at the end of the cycle.
- 2-stage hydraulic pump with pilot-operated valve which increases efficiency between 20 and 40%.
- Return sound signal.
- New PC software for diagnosis and analysis of data.



Nickel plated head rotates through 180°



Service indicator lights informing about the battery charge level and service control if necessary



Lithium-Ion 18V - 1.5 Ah battery with built-in charge indicator light. Without memory effect, this battery is 30% lighter than more commonly used batteries



Comfortable and accurate handling thanks to the shape and the materials used in the handle.



Integrated electronics enabling to control the operating parameters with warning lights and USB interface

Product

ESC-125

Scope of Supply

(Body + 2pcs. BL1840 Battery + CLM1890HC Charger)
Metal Case

Notes:

For ST Type
For DIN Type

16-400mm² Dies
16-300mm² Dies

Accessory

Battery	P116
Charger	P116
Metal Case	
SFK60ST Series Dies	P117
SFK60SE Series Dies	P118
SFK60DIN Series Dies	P118
SFK60N Series Dies	P119



Battery Operated Hydraulic Crimping and Cutting Tools

EMK95-120



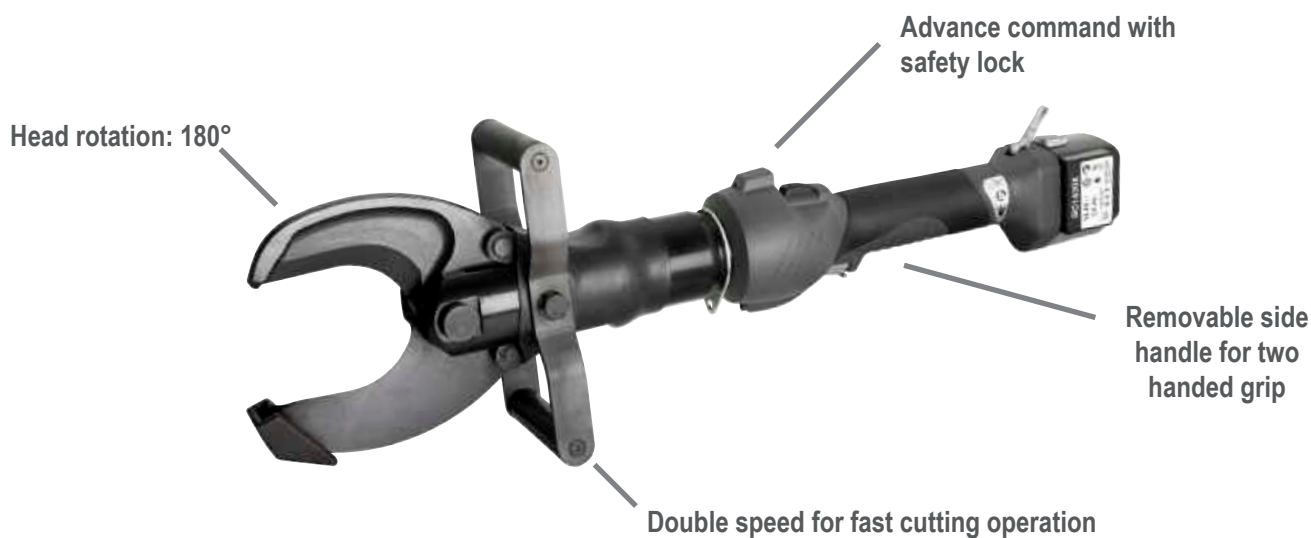
Technical Data

Cutting Force	80 kN
Cutting Range CU	60mm ²
Cutting Range AL	60mm ²
Cutting Range CCP	85mm ²
Cutting Cycle	6 sn - 15 sn
Autonomy	45 to 60 cuts with 3.0Ah battery
Weight of battery	0,57 kg
Weight incl. Battery	7,30 kg
Dimension	530x380x100mm

Features

- Large diameter scissors type cutter with fast advance operation.
- The scissors type cut provides ease of use and improved accessibility.
- Protection on start trigger, for an improved safety.

Never use to cut cables with productive steel strip or cables with steel core!



Product

EMK95-120

Scope of Supply

Body + 2pcs. **BC1430 Battery** + CL1430HC Charger
Metal Case

Accessory

Battery	P116
Charger	P116
Metal Case	



Battery Operated Hydraulic Crimping and Cutting Tools

EA50-600KCM



Technical Data

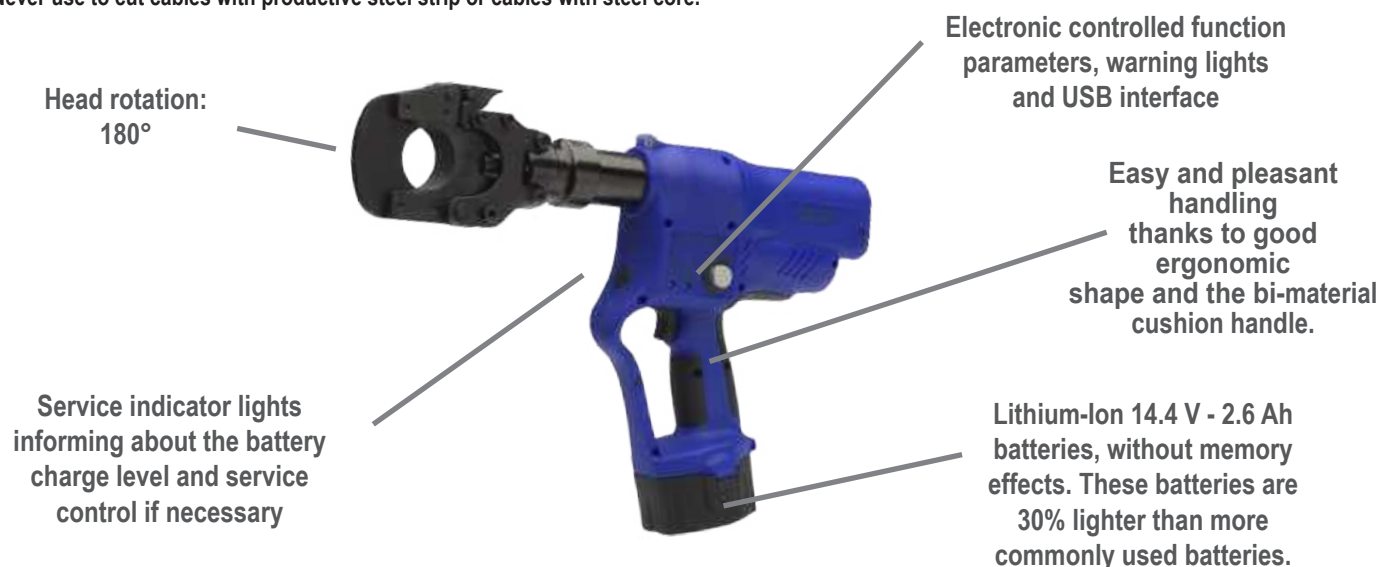
Cutting Force	60 kN
Battery Voltage	18V
Battery Capacity	1.5 Ah. Li-Ion
Weight of battery	0,415 kg
Weight incl. Battery	6,20 kg
Dimension	440x390x95mm

Features

Cutting Range

- Insulated or non insulated copper cables up to 500 mm².
- Insulated or non insulated aluminium cables up to 630 mm².
- Diameter on insulation: 50 mm max.

Never use to cut cables with productive steel strip or cables with steel core.



Product

EA50-600KCM

Scope of Supply

Body + 2pcs. BC1815 Battery + CL1830HC Charger
Metal Case

Accessory

Battery	P116
Charger	P116
Metal Case	



Battery Operated Tools Accessories

Accessories		Product Code
Voltage	: 18V	 BL1815I
Capacity	: 1.5Ah	
Weight	: 0,415 kg	
Voltage	: 18V	 BL1840
Capacity	: 4.0Ah	
Weight	: 0,640	
Voltage	: 14,4V	 BC1430X
Capacity	: 3.0Ah	
Weight	: 0,570kg	
Voltage	: 220/240V AC	 CLM1890HC
Charging Time	: 36min	
Plug	: Standard EU	
Voltage	: 220 AC	 CL1430HC
Charging Time	: 60min	
Plug	: Standard EU	
Voltage	: 220/240V (50/60Hz)	 CH1830HC
Charging Time	: 30min	
Plug	: 3A	



SAFAK DIE TYPES - STANDARD CABLE LUGS

SFK60ST Series

Crimping 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 mm ²	S-60 ESD-60
SFK60ST016	60 kN DIE SET (ST TYPE) 16 mm ²	
SFK60ST025	60 kN DIE SET (ST TYPE) 25 mm ²	
SFK60ST035	60 kN DIE SET (ST TYPE) 35 mm ²	
SFK60ST050	60 kN DIE SET (ST TYPE) 50 mm ²	
SFK60ST070	60 kN DIE SET (ST TYPE) 70 mm ²	
SFK60ST095	60 kN DIE SET (ST TYPE) 95 mm ²	
SFK60ST120	60 kN DIE SET (ST TYPE) 120	
SFK60ST150	60 kN DIE SET (ST TYPE) 150	
SFK60ST185	60 kN DIE SET (ST TYPE) 185	
SFK60ST240	60 kN DIE SET (ST TYPE) 240	
SFK60ST300	60 kN DIE SET (ST TYPE) 300	

SFK60ST Series

Crimping 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
SFK60ST010185	60 kN DIE SET (ST TYPE) 10-185 mm ²	S-6
SFK60ST016150	60 kN DIE SET (ST TYPE) 16-150 mm ²	
SFK60ST025120	60 kN DIE SET (ST TYPE) 25-120	
SFK60ST03595	60 kN DIE SET (ST TYPE) 35-95 mm ²	
SFK60ST05070	60 kN DIE SET (ST TYPE) 50-70 mm ²	
SFK60ST240	60 kN DIE SET (ST TYPE) 240	



ŞAFK DIE TYPES - STANDARD CABLE LUGS

SFK60SE Series

Crimping 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.....240 mm²
Crimping Force : 60 kN



Product Code	Description	Hand Tools Used
SFK60SE010	60 kN DIE SET (SE TYPE) 10 mm ²	S-60 ESD-60
SFK60SE016	60 kN DIE SET (SE TYPE) 16 mm ²	
SFK60SE025	60 kN DIE SET (SE TYPE) 25 mm ²	
SFK60SE035	60 kN DIE SET (SE TYPE) 35 mm ²	
SFK60SE050	60 kN DIE SET (SE TYPE) 50 mm ²	
SFK60SE070	60 kN DIE SET (SE TYPE) 70 mm ²	
SFK60SE095	60 kN DIE SET (SE TYPE) 95 mm ²	
SFK60SE120	60 kN DIE SET (SE TYPE) 120 mm ²	
SFK60SE150	60 kN DIE SET (SE TYPE) 150 mm ²	
SFK60SE185	60 kN DIE SET (SE TYPE) 185 mm ²	
SFK60SE240	60 kN DIE SET (SE TYPE) 240 mm ²	

ŞAFK DIE TYPES - DIN NORM

SFK60D Series

Crimping 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 mm ²	S-60 ESD-60
SFK60D016	60 kN DIE SET (DIN NORM) 16 mm ²	
SFK60D025	60 kN DIE SET (DIN NORM) 25 mm ²	
SFK60D035	60 kN DIE SET (DIN NORM) 35 mm ²	
SFK60D050	60 kN DIE SET (DIN NORM) 50 mm ²	
SFK60D070	60 kN DIE SET (DIN NORM) 70 mm ²	
SFK60D095	60 kN DIE SET (DIN NORM) 95 mm ²	
SFK60D120	60 kN DIE SET (DIN NORM) 120 mm ²	
SFK60D150	60 kN DIE SET (DIN NORM) 150 mm ²	
SFK60D185	60 kN DIE SET (DIN NORM) 185 mm ²	
SFK60D240	60 kN DIE SET (DIN NORM) 240 mm ²	
SFK60D300	60 kN DIE SET (DIN NORM) 300 mm ²	



ŞAFK DIE TYPES - DIN NORM

SFK60D Series

Crimping Form - 60 kN



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

Chirmping Form : Hexagonal
Stroke : 5 mm
Application Range : 10.....240 mm²
Crimping Force : 60 kN



Product Code	Description	Hand Tools Used
SFK60D010185	60 kN DIE SET (DIN NORM) 10-185 mm ²	S-6
SFK60D016150	60 kN DIE SET (DIN NORM) 16-150 mm ²	
SFK60D025120	60 kN DIE SET (DIN NORM) 25-120	
SFK60D03595	60 kN DIE SET (DIN NORM) 35-95 mm ²	
SFK60D05070	60 kN DIE SET (DIN NORM) 50-70 mm ²	
SFK60D240	60 kN DIE SET (DIN NORM) 240 mm ²	

ŞAFK DIE TYPES - WELDED

SFK60N Series

Crimping Form - 60 kN



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

Chirmping Form : Point
Stroke : 5 mm
Application Range : 10.....185 mm²
Crimping Force : 60 kN



Product Code	Description	Hand Tools Used
SFK60N010	60 kN DIE SET (POINT CRIMPING)10 mm ²	S-60 ESD-60
SFK60N016	60 kN DIE SET (POINT CRIMPING)16 mm ²	
SFK60N025	60 kN DIE SET (POINT CRIMPING)25 mm ²	
SFK60N035	60 kN DIE SET (POINT CRIMPING)35 mm ²	
SFK60N050	60 kN DIE SET (POINT CRIMPING)50	
SFK60N070	60 kN DIE SET (POINT CRIMPING)70 mm ²	
SFK60N095	60 kN DIE SET (POINT CRIMPING)95 mm ²	
SFK60N120	60 kN DIE SET (POINT CRIMPING)120 mm ²	
SFK60N150	60 kN DIE SET (POINT CRIMPING)150 mm ²	
SFK60N185	60 kN DIE SET (POINT CRIMPING)185 mm ²	



ŞAFK DIE TYPES - ST CABLE LUGS

SFK130ST Series

Crimping 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 mm ²	SC-130 SC-130L SXC-130 SXC-130L SHK-25 SHK-45 ESC125
SFK130ST025	130 kN DIE SET (ST TYPE) 25 mm ²	
SFK130ST035	130 kN DIE SET (ST TYPE) 35 mm ²	
SFK130ST050	130 kN DIE SET (ST TYPE) 50 mm ²	
SFK130ST070	130 kN DIE SET (ST TYPE) 70 mm ²	
SFK130ST095	130 kN DIE SET (ST TYPE) 95 mm ²	
SFK130ST120	130 kN DIE SET (ST TYPE) 120 mm ²	
SFK130ST150	130 kN DIE SET (ST TYPE) 150 mm ²	
SFK130ST185	130 kN DIE SET (ST TYPE) 185 mm ²	
SFK130ST240	130 kN DIE SET (ST TYPE) 240 mm ²	
SFK130ST300	130 kN DIE SET (ST TYPE) 300 mm ²	
SFK130ST400	130 kN DIE SET (ST TYPE) 400 mm ²	

ŞAFK DIE TYPES - SE TYPE

SFK130SE Series

Crimping 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 mm ²	SC-130 SC-130L SXC-130 SXC-130L SHK-25 SHK-45 ESC125
SFK130SE025	130 kN DIE SET (SE TYPE) 25 mm ²	
SFK130SE035	130 kN DIE SET (SE TYPE) 35 mm ²	
SFK130SE050	130 kN DIE SET (SE TYPE) 50 mm ²	
SFK130SE070	130 kN DIE SET (SE TYPE) 70 mm ²	
SFK130SE095	130 kN DIE SET (SE TYPE) 95 mm ²	
SFK130SE120	130 kN DIE SET (SE TYPE) 120 mm ²	
SFK130SE150	130 kN DIE SET (SE TYPE) 150 mm ²	
SFK130SE185	130 kN DIE SET (SE TYPE) 185 mm ²	
SFK130SE240	130 kN DIE SET (SE TYPE) 240 mm ²	
SFK130SE300	130 kN DIE SET (SE TYPE) 300 mm ²	



ŞAFK DIE TYPES - DIN NORM

SFK130D Series

Crimping 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 mm ²	SC-130 SC-130L SXC-130 SXC-130L SHK-25 SHK-45 ESC125
SFK130D025	130 kN DIE SET (DIN NORM) 25 mm ²	
SFK130D035	130 kN DIE SET (DIN NORM) 35 mm ²	
SFK130D050	130 kN DIE SET (DIN NORM) 50 mm ²	
SFK130D070	130 kN DIE SET (DIN NORM) 70 mm ²	
SFK130D095	130 kN DIE SET (DIN NORM) 95 mm ²	
SFK130D120	130 kN DIE SET (DIN NORM) 120 mm ²	
SFK130D150	130 kN DIE SET (DIN NORM) 150 mm ²	
SFK130D185	130 kN DIE SET (DIN NORM) 185 mm ²	
SFK130D240	130 kN DIE SET (DIN NORM) 240 mm ²	
SFK130D300	130 kN DIE SET (DIN NORM) 300 mm ²	
SFK130D400	130 kN DIE SET (DIN NORM) 400 mm ²	

ŞAFK DIE TYPES - WELDED

SFK130N Series

Crimping 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 mm ²	SC-130 SC-130L SXC-130 SXC-130L SHK-25 SHK-45 ESC125
SFK130N025	130 kN DIE SET (POINT CRIMPING) 25 mm ²	
SFK130N035	130 kN DIE SET (POINT CRIMPING) 35 mm ²	
SFK130N050	130 kN DIE SET (POINT CRIMPING) 50 mm ²	
SFK130N070	130 kN DIE SET (POINT CRIMPING) 70 mm ²	
SFK130N095	130 kN DIE SET (POINT CRIMPING) 95 mm ²	
SFK130N120	130 kN DIE SET (POINT CRIMPING) 120 mm ²	
SFK130N150	130 kN DIE SET (POINT CRIMPING) 150 mm ²	
SFK130N185	130 kN DIE SET (POINT CRIMPING) 185 mm ²	



ŞAFK DIE TYPES - H CLAMP

SFK130H Series

Crimping Form - 130 kN



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

Chirmping 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 mm ²	SC-130 SXC-130L SHK-25 ESC125
SFK130H05050	130 kN DIE SET (H CLAMP DIE) 50-50 mm ²	
SFK130H07070	130 kN DIE SET (H CLAMP DIE) 70-70 mm ²	
SFK130H09595	130 kN DIE SET (H CLAMP DIE) 95-95 mm ²	
SFK130H120120	130 kN DIE SET (H CLAMP DIE) 120-120 mm ²	
SFK130H150150	130 kN DIE SET (H CLAMP DIE) 150-150 mm ²	

ŞAFK DIE TYPES - C CLAMP

SFK130C Series

Crimping Form - 130 kN



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

Chirmping 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 mm ²	SC-130 SXC-130L SHK-25 ESC125
SFK130C03535	130 kN DIE SET (C CLAMP DIE) 35-35 mm ²	
SFK130C05050	130 kN DIE SET (C CLAMP DIE) 50-50 mm ²	
SFK130C07070	130 kN DIE SET (C CLAMP DIE) 70-70 mm ²	
SFK130C09595	130 kN DIE SET (C CLAMP DIE) 95-95 mm ²	
SFK130C120120	130 kN DIE SET (C CLAMP DIE) 120-120 mm ²	
SFK130C120150	130 kN DIE SET (C CLAMP DIE) 120-150 mm ²	



ŞAFK DIE TYPES - BI-METAL

SFK130BS Series

Crimping 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 mm ²	SC-130 SC-130L SXC-130 SXC-130L ESC125
SFK130BS0507095	130 kN DIE SET (AL/CU DIE) 50-70-95 mm ²	
SFK130BS120150	130 kN DIE SET (AL/CU DIE) 120-150 mm ²	
SFK130BS185240	130 kN DIE SET (AL/CU DIE) 185-240 mm ²	
SFK130BS300	130 kN DIE SET (AL/CU DIE) 300 mm ²	SHK-25
SFK130BS400	130 kN DIE SET (AL/CU DIE) 400 mm ²	
SFK130BS500	130 kN DIE SET (AL/CU DIE) 500 mm ²	

ŞAFK DIE TYPES - ALUMİNUM

SFK130AL Series

Crimping 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



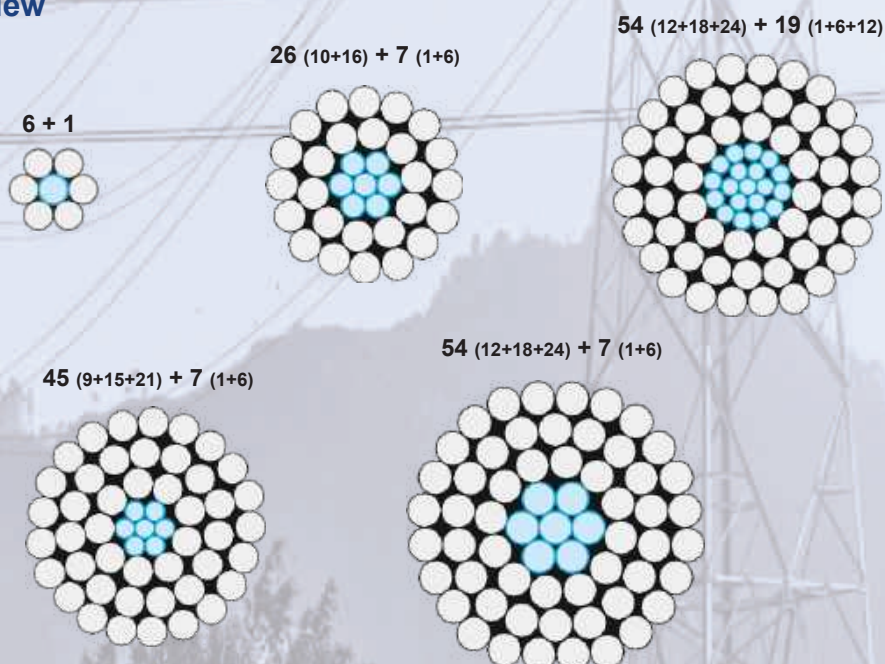
Product Code	Description	Hand Tools Used
SFK130AL025	130 kN DIE SET (Aluminum DIE) 25 mm ²	SC-130 SC-130L SXC-130 SXC-130L ESC125
SFK130AL035	130 kN DIE SET (Aluminum DIE) 35 mm ²	
SFK130AL050	130 kN DIE SET (Aluminum DIE) 50 mm ²	
SFK130AL070	130 kN DIE SET (Aluminum DIE) 70 mm ²	
SFK130AL095	130 kN DIE SET (Aluminum DIE) 95 mm ²	
SFK130AL120	130 kN DIE SET (Aluminum DIE) 120 mm ²	
SFK130AL150	130 kN DIE SET (Aluminum DIE) 150 mm ²	
SFK130AL185	130 kN DIE SET (Aluminum DIE) 185 mm ²	SHK-25
SFK130AL240	130 kN DIE SET (Aluminum DIE) 240 mm ²	
SFK130AL300	130 kN DIE SET (Aluminum DIE) 300 mm ²	
SFK130AL400	130 kN DIE SET (Aluminum DIE) 400 mm ²	

ACSR Steel Reinforced Aluminum Conductors

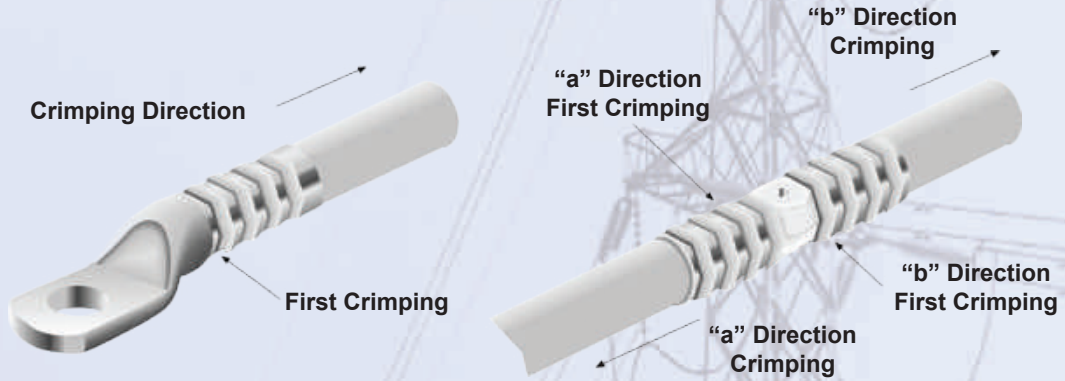
Characteristics

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					
	No			mm	No	mm	mm²					
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
Pheasant	645/82	1.272.000	35,1	54	3,9	19	2,34	726,79	645,08	81,71	19700	2425

Cross-Section View



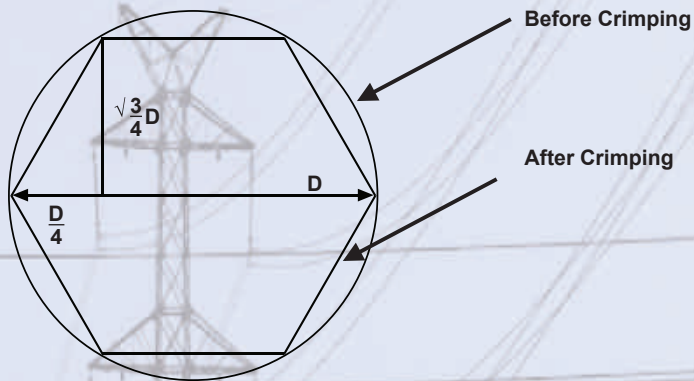
Crimping Cable Lugs and Connectors



- 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



$$\begin{aligned}
 \text{Area before crimping} &= \frac{\pi}{4} D^2 \\
 \text{Area after crimping} &= \frac{3}{8} \sqrt{3} D^2 \\
 \text{Crimping rate} &= \frac{\frac{3}{8} \sqrt{3} D^2}{\frac{\pi}{4} D^2} = 0,827
 \end{aligned}$$

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

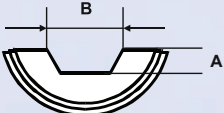
	Hexagonal Crimping standard SKP and connectors, DIN 46235 cable lugs appropriate, suitable 46267 Butt Connectors, Butt Connectors and aluminum cable lugs. Application Range : 6...1000mm ²
	Point Crimping standard cable lug and connectors, cable ends according to DIN 46234 norm and needle-type cable ends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

Insulation Classes

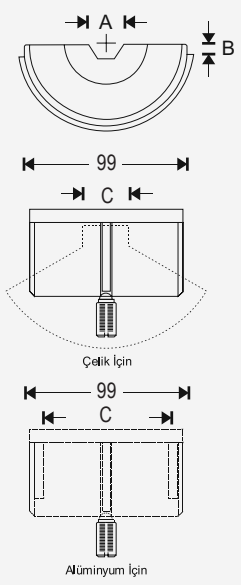
Degrees of enclosure protection

Symbol	Continuous Operating Temperature C°	Insulation Material	Symbol	First Digit Protection Against Dust	Second Digit Protection Against Water
B	130 C°	Glass fibers, mika products, special synthetic sheets, compressed miner- al-filled metarials	IP 54	Amount of protection against ingress of damaging dust	Protection against splashing water from any angle
F	155 C°	Glass fibers, mika products, aromatic polyamides, varnishes (polyester) impregnated glass fiber	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.
H	180 C°	Glass fibers, mika products, aromatic polyamides, silicone rubber, teflon	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.
C	>180 C°	Mica, porcelain, glass, quartz, teflon	IP 67		Protection against immersion and specific period of time in water under pressure.
			IP 68		With the provisions of the Manufacturer protection against keeping constand under water.

Die Dimensions to DIN 48083

DIN 48083	Die Code	Length mm		Cross-Section	
		A (mm)	B (mm)	Al (mm ²)	Cu (mm ²)
	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

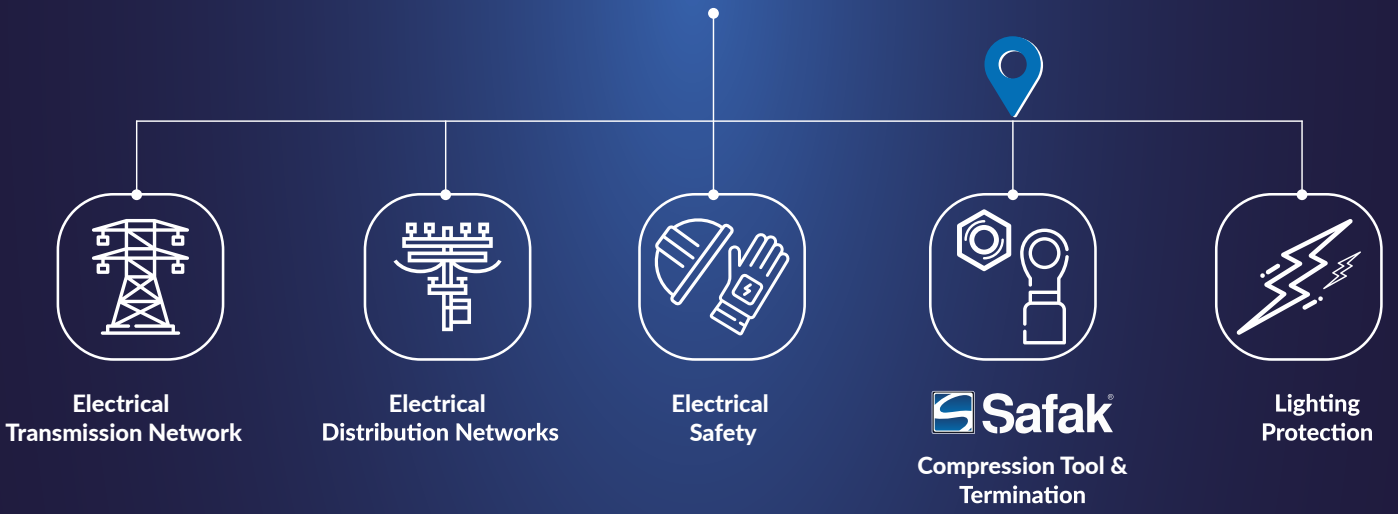
SHK-110 Die Size

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 (Partridge)	16,00	13,00	30,00	-	-	-
	A27	266 MCM (Partridge)	-	-	-	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)	22,69	19,66	30,00	-	-	-
	A52	957 MCM (Cardinal)	-	-	-	53,29	46,16	75,00
	S26	"795 MCM (Drake) 957 MCM (Cardinal)	25,58	22,16	30,00	-	-	-
	A60	1272 MCM (Pheasant)	-	-	-	61,37	53,14	75,00

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

OUR GROUP STRATEGIC BUSINESS UNITS

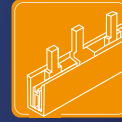
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