intercable TOOLS

GENERAL CATALOG

EAST-CENTRAL EUROPEAN AREA



www.intercable-tools.com

intercable TOOLS

CONTENT

COMPANY OVERVIEW 6

MECHANIC CABLE CRIMPING TOOLS 8



MECHANIC CRIMPING TOOLS 8

HYDRAULIC CABLE CRIMPING TOOLS 17



HAND HYDRAULIC CRIMPING TOOLS 18
BATTERY-HYDRAULIC CRIMPING TOOLS 20
HYDRAULIC CRIMPING HEADS 24

MECHANIC CABLE CUTTING TOOLS 26



SCISSORS 26
KNIVES AND SAWS 28
CUTTING PLIERS 30
RATCHET CUTTERS 31

HYDRAULIC CABLE CUTTING TOOLS 33



HAND HYDRAULIC CUTTING TOOLS 34
BATTERY-HYDRAULIC CUTTING TOOLS 36
HYDRAULIC CUTTING HEADS 40

PUNCHING TOOLS 42



HAND HYDRAULIC PUNCHING TOOL 43
BATTERY-HYDRAULIC PUNCHING TOOL 43
HYDRAULIC PUNCHING HEAD 43

BUS BAR RAIL PROCESSING 44



CUTTING-PUNCHING-BENDING UNIT 44
BUS BAR PUNCHING HEAD 46

intercable TOOLS

CONTENT

HYDRAULIC PUMPS 47



BATTERY OPERATED HYDRAULIC PUMPS 48
FOOT OPERATED HYDRAULIC PUMPS 49

CABLE STRIPPING TOOLS 51



FOR REMOVING CABLE JACKETS 52
FOR SEMICONDUCTIVE LAYERS 56
FOR INNER PRIMER INSULATION 58
FOR ARMOUR WIRES 59
MULTI TOOL SETS 60

GENERAL HAND TOOLS 62



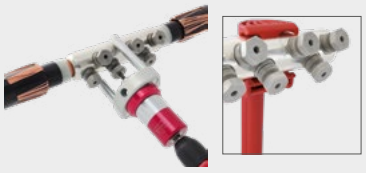
PLIERS 62
SCREWDRIVERS 65
ADDITIONAL TOOLS 69

PERSONAL PROTECTION 72



GLOVES 72
HELMETS 73
SAFETY CABLE SLEEVES 74

TOOLS FOR SCREW CABLE CONNECTORS 75



TOOLS FOR SCREW CONNECTORS 75

TUBULAR CABLE LUGS, CONNECTORS AND THEIR CRIMPING DIES 77



I-SERIES / CI... M...,CTT-... 78
DIN-SERIES CU / ICD... 80
DIN-SERIES AL, AL-CU / ICAL..., ICALCU... 82
NICKEL AND STEEL / ICNI..., ICVA... 84

intercable TOOLS

CONTENT

INSULATED CRIMPING TERMINALS / ICIQ... 86



CABLE END-SLEEVES / ICIAE..., ICAE... 94



INSULATED END-SLEEVES / **ICIAE...** 94
UNINSULATED END-SLEEVES / **ICAE...** 96
END-SLEEVES REELS, STRIPS, KITS 98

UNINSULATED CRIMPING TERMINALS / ICQ..., ICC... 102



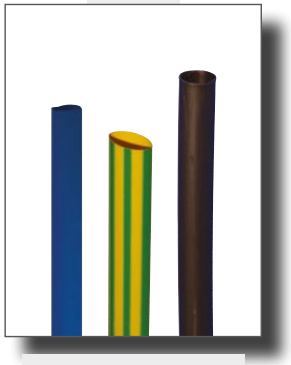
UNINSULATED SMALL TERMINALS / **ICQ...** 102
UNINSULATED SMALL PUSH-ON TERMINALS / **ICC...** 106

CABLE TIES / CTB..., CTN..., CTS..., ICC61... 110





Cable Glands



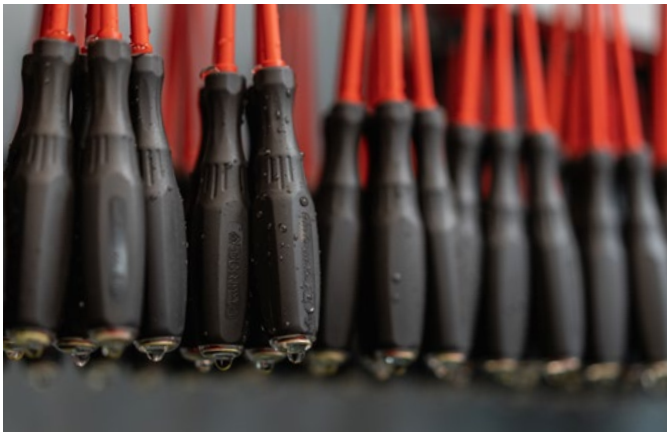
Shrinking Tubes



Terminal Blocks

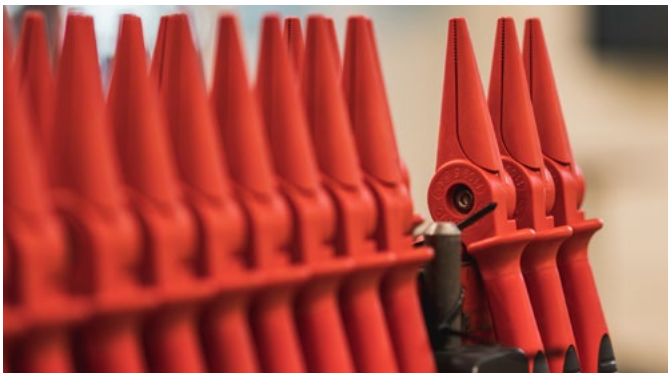


#welovetools











COMPANY

Intercable Tools is one of the most significant producers of special tools as well as electrical connection material for various sectors. Founded in 1972 as a trade company, the family business continued to develop and began producing insulated tools in 1986. Beside the Bruneck center - in the German-speaking area of South Tyrol, in the embrace of the Dolomites (Northern Italy), - the production plants are located in other Italian cities and also in Germany. Additionally, there are Intercable Tools companies in Austria, in the Netherlands and in Hungary too, from where we can serve products and provide support to the related closer regional areas.

The special articels of Intercable Tools are mainly used for processing and connecting low, medium and high voltage cables::

- Hand tools
- Stripping tools
- Cutting tools
- Crimping tools
- Punching tools
- Hydraulic pumps

Additionally, Intercable Tools has an extensive range of copper and aluminium connection materials such as tubular cable lugs and other connectors.

We pone great importance to a high level of vertical integration and produce our products in our own facilities in Italy and Germany. Thus, we have full control over every single step and can guarantee the highest quality and reliability.

Quality at Intercable is more than a promise, it is a principle that we live by every day. Here, we work according to the “zero-error principle” – with this strategic orientation, we avoid generating rejects or having to rework bad parts. This is the only way we can meet our own requirements and those of our customers. It is a continuous process and requires the full commitment of our highly qualified staff.

We want to be an attractive and competitive family company, which focuses on innovation and customer satisfaction. It is our mission to remain independent, sustainable and humble and we want to keep orienting and aligning ourselves with our employees, suppliers and customers. We are committed to making our customers’ work safer, easier and more professional.

The safety aspect is the main priority in our industry. State-of-the-art in-house production facilities ensure that the products that leave our plants, are compliant with the applicable safety standards and guidelines, thus guaranteeing safety for the user.



QUALITY

1000V IEC 60900

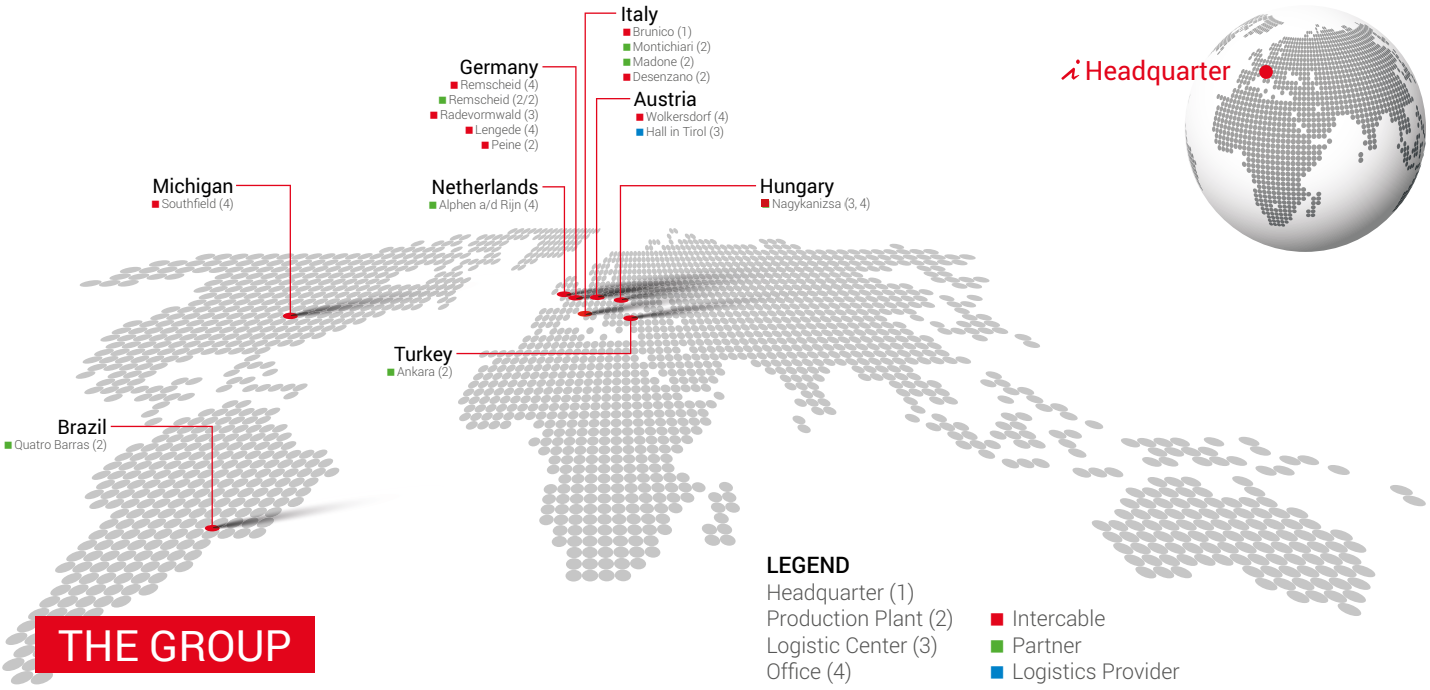
DIN EN ISO 9001: Reg.-Nr. 067378
ISO/TS 16949: Reg.-Nr. 067378

INTERCABLE STANDS FOR HIGHEST QUALITY

TECHNOLOGY IS OUR PASSION

Our products are popular worldwide. We receive a lot of positive feedback from electrical service companies, companies that produce electrical switch cabinets, other industrial users and, last but not least, electricians. We take your comments into account when developing our products. For us, these are the most important confirmations.

Along with these, various certificates certify the quality of our work.



THE GROUP

Intercable Tools, together with Intercable Tec, developer and producer of technical parts and solutions for the automotive industry (e-mobility), form the Intercable Group. As a modern company group, we strive for an optimal usage of synergies within the group. Intercable is represented globally with many different subsidiaries.





Different certificates confirm the quality of our work.
We hold the following quality certificates:

- ISO 9001 (Quality management system)
- ISO 14001 (Environmental management system)
- ISO 45001 (Occupational health and safety management system)

as well as the VDE / IMQ / DGUV-Test / UL / CE / GS – certification.

Additionally, we are proud members of the CEI (Italian Committee for Electrical Engineering), the UNI (Italian Committee for Standardization) and various working groups of the European and International Standards Committee.

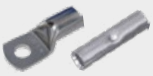
Our electrically insulated tools are isolated according to EN60900, which was prescribed by the European Committee for Standardization in 1993 and is mandatory in all countries of the European Union since 1999. The norm prescribes a series of technical tests that must be performed on all insulated tools. Every single insulated tool that leaves our production facilities is tested for 1000V and 100% suitable for live working.

Insulated hand tools are made fully or partially of conductive material and are covered with insulating material. This protects the user from a possible electric shock.

Insulating hand tools are made entirely or essentially of insulating material, except for inserts made of conductive material (for the purpose of reinforcement), but without exposed conductive parts. This protects the user from a possible electric shock and prevents a short circuit between two parts with different electrical potential.

NEW-GENERATION MECHANICAL CRIMPING TOOLS



CRIMPING TOOLS / ORDER NO.	APPLICATION	CROSS SECTION	CRIMP FORM	INFO, LENGTH, WEIGHT
 MPIQ6	 insulated terminals	0,5 - 6 mm²		220 mm, 0,48 kg
 MPIQ16	 insulated terminals	6 - 16 mm²		285 mm, 0,71 kg
 PMGI6	 heat shrinkable and closed end connectors	0,5 - 6 mm²		220 mm, 0,48 kg
 MPFV	 non-insulated open barrel terminals	0,25 - 6 mm²		220 mm, 0,48 kg
 PMC16	 non-insulated connectors	10 - 16 mm²		285 mm, 0,70 kg
 PMCL16	 non-insulated connectors DIN 46234	0,5 - 16 mm²		280 mm, 0,70 kg
 PMC25	 non-insulated connectors	10 - 25 mm²		270 mm, 0,70 kg
 MPMC6	 MC4 photovoltaic / solar connectors	2,5 - 6 mm²		220 mm, 0,55 kg additional positioner for MC4 Evo2 connectors: **PMC4EVO2**

MECHANIC CRIMPING TOOLS

Crimping pliers with advanced ratchet mechanism for cable end-sleeves



CRIMPING TOOLS / ORDER NO.	CROSS SECTION	CRIMP FORM	INFO, LENGTH, WEIGHT
 MPAE16K	0,5 - 16 mm²		(not ratcheting) 190 mm, 0,25 kg
 MPAE16T	0,14 - 16 mm²		230 mm, 0,49 kg
 MPAE10V	0,08 - 10 mm²		195 mm, 0,32 kg
 MPAE16VV	0,08 - 16 mm²		• 360° freely rotatable head with 8 locking positions (with 45°steps) • Automatic adjustment to the cross section without setting 193 mm, 0,47 kg
 MPAE16S	0,08 - 16 mm²		• Automatic adjustment to the cross section without setting • Movable locator for a precise location of small cross sections 215 mm, 0,45 kg

2 types of fine wire cables
1 good solution

i crimping



fine-wires / cable class 5



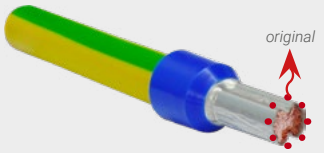
superfine-wires / cable class 6



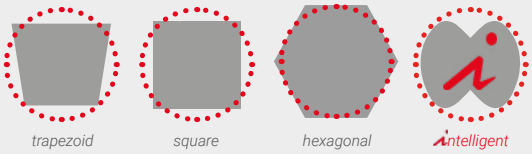
+



=



i-crimping



CRIMPING TOOLS / ORDER NO.	CROSS SECTION	CRIMP FORM	INFO, LENGTH, WEIGHT
 MPAE2R / MPAE6R / MPAE16R	0,14 - 2,5 mm² / 1,5 - 6 mm² / 10 - 16 mm²	i	195 mm, 0,32 kg
 MPAE25R	10 - 25 mm²	i	195 mm, 0,65 kg
 MPAE50R	10 - 50 mm²	i	300 mm, 0,61 kg
 MPAE95R	50 - 95 mm²	i	300 mm, 0,61 kg

MECHANIC CRIMPING TOOLS



Set mechanical crimping tool with interchangeable dies

Description	Order No.	Dimensions	Weight
Set: Mechanic crimping tool	PM-TRE	220 mm	0,74 kg

Including this set		
UEIQ6	insulated terminals	0,5 - 6 mm²
UEQ10	non-insulated brazed	0,5 - 10 mm²
UEAE10T	end-sleeves	0,14 - 10 mm²



Set mechanical crimping tool with interchangeable dies

Description	Order No.	Dimensions	Weight
Set: Mechanic crimping tool	MPUSET-2	440 x 230 x 80 mm	0,9 kg

Including this set		
UEIQ6	insulated terminals	0,5 - 6 mm²
UEAE2R	end-sleeves	0,14 - 2,5 mm²
UEAE16R	end-sleeves	4 - 16 mm²

- Rigid case



MPMC6 | AV8270 | 16020-F1-PV | spanners

Set for photovoltaic installations

Description	Order No.	Dimensions	Weight
Photovoltaic set	ICPVSET2	380 x 345 x 90 mm	1,6 kg

- Easy handling
- Unlockable positive lock, ensures complete crimping
- Precisely manufactured profiles made of high-strength special steel
- Contact positioning with positioning aid
- With bolt for fall protection
- Ergonomically shaped soft handles

Including this set:
- Crimping tool for MC4 connectors 2,5 - 6 mm² with positioner MPMC6
- Stripping tool with cutting function 1,5 - 10 mm² AV8270
- Cable scissors up to 50 mm² fine stranded cables 16020-F1-PV
- Installation spanners (2 pcs) for closing cable glands
- Rigid case

Basic tools - Mechanical crimping tools for compatible interchangeable crimping dies

Description	Length	Weight	Order No.
Mechanic crimping plier - basic tool	220 mm	0,51 kg	MPU





Available:
Tool case (0,25 kg)
MPU-KK

Description	Length	Weight	Order No.
Mechanic crimping plier - basic tool	270 mm	0,57 kg	MPU-L





Available:
Tool case (0,75 kg)
MPU-L-KK

Crimping dies compatible to MPU, MPU-L and PM crimping tools

ARTICLE	APPLICATION	CRIMP FORM
 UEIQ2	 insulated terminals	 0,1 - 2,5 mm²
 UEIQ6	 insulated terminals	 0,5 - 6 mm²
 UEIQ2WF	 insulated 90° flag terminals	 0,5 - 2,5 mm²
 UEIQ6WS	 shrinkable insulated connectors	 0,14 - 6 mm²
 UEFV28	 non-insulated open barrel terminals	 2,8 mm x 0,1 - 1 mm²
 UEFV48	 non-insulated open barrel terminals	 4,8 mm x 0,5 - 2,5 mm²
 UEFV63	 non-insulated open barrel terminals	 6,3mm x 0,5 - 6 mm²

ARTICLE	APPLICATION	CRIMP FORM
 UEAE2R	 end-sleeves	 0,14 - 2,5 mm²
 UEAE16R	 end-sleeves	 4- 16 mm²
 UEAE35R	 end-sleeves	 25- 35 mm²
 UEAE50R	 end-sleeves	 50 mm²
 UEAE2x16R	 end-sleeves	 2x4 - 2x16 mm²²
UEFVS63	open barrel 90°flag terminals	6,3mm x 10 - 16 mm²
UEBNC	Koax connectors for BNC cables	RG 58 / 59 / 62 / 71

ARTICLE	APPLICATION	CRIMP FORM
UEQ10	non-insulated brazed seam terminals	0,5 - 10 mm²
UER2	tubular cable lugs and connectors	0,5 - 2,5mm²
UER10	tubular cable lugs R-series	4 - 10 mm²
UER16	tubular cable lugs R-series	10 - 16 mm²
UEMC41	MC4 photovoltaic / solar connectors	1,5 - 4 mm²
UEMC4	MC4 photovoltaic / solar connectors	2,5 - 6 mm²
UEMC3	MC3 photovoltaic / solar connectors	2,5 - 6 mm²

MECHANIC CRIMPING TOOLS

Mechanical crimping tool for non-insulated tubular cable lugs and connectors, R series



Cable cross-section	Compatible cable lugs	Order No.	Length	Weight
10 - 25 mm²	**R-series**	MPR25i	270 mm	0,70 kg

Mechanical crimping tool for non-insulated tubular cable lugs and connectors with revolver crimping dies





Cable cross-section	Compatible cable lugs	Order No.	Crimp form	Length	Weight
6 - 50 mm²	**I-series**	MPR-1		380 mm	1,5 kg
25 - 150 mm²	**I-series**	MPR-2		550 mm	3,7 kg
6 - 50 mm²	**R-series**	MPR50i		380 mm	1,5 kg
10 - 120 mm²	**R-series**	MPR120i		550 mm	3,7 kg
10 - 70 mm²	**F-series**	MPF70i		515 mm	2,1 kg
6 - 50 mm²	**DIN-series**	MPD50S		380 mm	1,5 kg
10 - 120 mm²	**DIN-series**	MPD120S		550 mm	3,7 kg

Mechanical crimping tool for non-insulated tubular cable lugs and connectors standard type 10 - 120 mm²



Cable cross-section	Crimp form	Order No.	Length	Weight
10 - 120 mm²		MPR-3	535 mm	3,1 kg

Mechanical crimping tools with press heads for different crimping dies series with telescopic handles

SET ARTICLE ORDER NO.	MP60-1	MP60-3	MP60-2
CRIMPING SECTION	max 240 mm²	max 240 mm²	max 300 mm²
MAXIMUM STROKE	20 mm	20 mm	19 mm
CRIMPING FORCE	60 kN	60 kN	60 kN
COMPATIBLE CRIMPING DIES	series 50, 60-1, 60-3	series 50, 60-1, 60-3	series 60-2, 60-4
TOOL WEIGHT	2,9 kg	3,6 kg	3,6 kg
SET WEIGHT	4,6 kg	5,3 kg	5,3 kg



Including the set:
- Mechanical crimping tool
- Nylon case and holder for crimping dies




MK 10-5

HYDRAULIC CRIMPING TOOLS - OVERVIEW

	CRIMPING HEADS*	HAND OPERATED	BATTERY OPERATED		CRIMPING SECTION MAX.	CRIMPING FORCE
SERIES 45		 HP45	 STILO45		150 mm²	45 kN
SERIES 50		 HP50	 STILO50		240 mm²	50 kN
SERIES 60-1/3	 PP60-1	 HP60-3		 AP60-1	240 mm²	60 kN
SERIES VD		 HP60-VD	 STILO	 AP60-VD	300 mm²	60 kN
SERIES 60-2/4	 PP60-2	 HP60-4	 STILO60	 AP60-2	300 mm²	60 kN
SERIES 130-C	 PP130-C	 HPI130-C	head opening: 29 mm	 AP130-C	400 mm²	130 kN
SERIES 130-C2	 PP130-C2	 HPI130-C2	head opening: 42 mm	 AP130-C2	400 mm²	130 kN
SERIES 130-H	 PP130-H	 HPI130-H		 AP130-H	400 mm²	130 kN
SERIES 230	PP230-630  PP230				630 mm²	230 kN
SERIES 520	 PP520				1.000 mm²	520 kN
SERIES 600	 PP600				1.600 mm²	600 kN

* Tool heads operated by hydraulic pumps, see page 47
* Bigger crimping tools on request

intercable TOOLS

HAND HYDRAULIC CRIMPING TOOLS

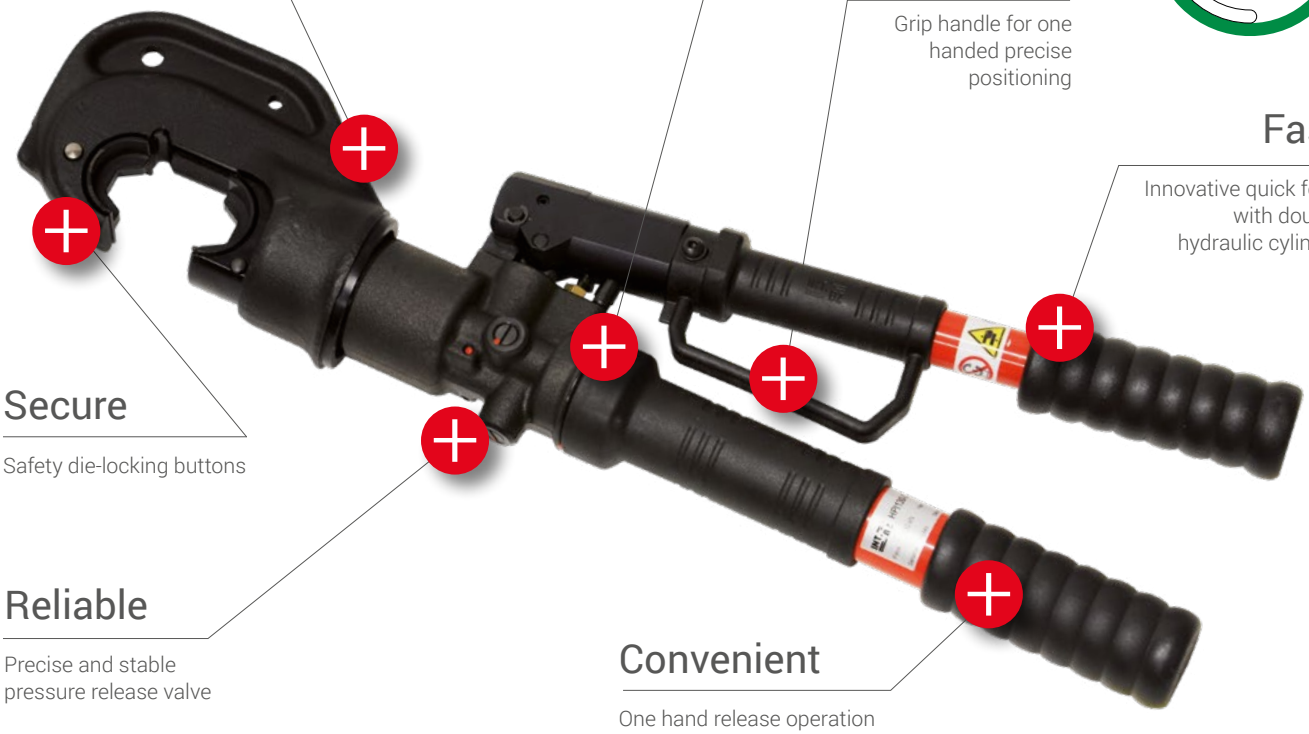
Versatile
Rotatable head

Portable / Resistant
Tough pump body for most kind of crimping applications

Handy
Grip handle for one handed precise positioning

100% MADE IN ITALY

Fast
Innovative quick feed with double hydraulic cylinder



Secure
Safety die-locking buttons

Reliable
Precise and stable pressure release valve

Convenient
One hand release operation

Hand hydraulic crimping tools - SET equipment:
- Report of the tests made on the tool after the production
- Manual hydraulic crimping tool
- Rigid plastic case for the tools and for crimping dies



Hand hydraulic crimping tool 400 mm²

Order No.	Description	Tool weight
HPI130-C	Hand hydraulic crimping tool - set	6,6 kg
HPI130-C2	Hand hydraulic crimping tool - set	6,5 kg

CRIMPING SECTION	max. 400 mm²	CRIMPING FORCE	130 kN
JAW OPENING	C: 29 mm, C2: 42 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 130	see page 81	see page 83	see page 79



Hand hydraulic crimping tool 400 mm²

Order No.	Description	Tool weight
HPI130-H	Hand hydraulic crimping tool - set	7,6 kg

CRIMPING SECTION	max. 400 mm²	CRIMPING FORCE	130 kN
MAXIMUM STROKE	30 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 130	see page 81	see page 83	see page 79

HP50



Hand hydraulic crimping tool 240 mm²

Order No.	Description	Tool weight
HP50	Hand hydraulic crimping tool - set	2,7 kg

CRIMPING SECTION	max. 240 mm²	CRIMPING FORCE	50 kN
MAXIMUM STROKE	16 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
 series 50	see page 81	see page 83	see page 79

HP60-3



Hand hydraulic crimping tool 240 mm²

Order No.	Description	Tool weight
HP60-3	Hand hydraulic crimping tool - set	2,7 kg

CRIMPING SECTION	max. 240 mm²	CRIMPING FORCE	60 kN
MAXIMUM STROKE	17 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
 series 50	see page 81	see page 83	see page 79

HP60-4



Hand hydraulic crimping tool 300 mm²

Order No.	Description	Tool weight
HP60-4	Hand hydraulic crimping tool - set	2,8 kg

CRIMPING SECTION	max. 300 mm²	CRIMPING FORCE	60 kN
MAXIMUM STROKE	17 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
 series 60-2	see page 81	see page 83	see page 79

HP60-VD



Dieless hand hydraulic crimping tool 300 mm²

Order No.	Description	Tool weight
HP60-VD	Hand hydraulic crimping tool - set	4,6 kg

CRIMPING SECTION	16 - 300 mm²	CRIMPING FORCE	60 kN
		OPERATING PRESSURE	700 bar (70 MPa)

Removable die housing for easy maintenance

BATTERY OPERATED HYDRAULIC CRIMPING TOOLS - STILO

STILO60

100% MADE IN ITALY



Automatic return

At the end of the crimping cycle

Manageable

Rotating crimping head for
optimal crimping in any position

Resistant

Light and compact design,
Housing in impact resistant plastic

Ergonomic

Effortless working and easy handling thanks
to equilibrate 2-component handle

Quiet

Extra silent motor

Powerful

18V 2,0 Ah Lithium-Ion battery
for even more pressings
during one battery life

Intelligent

indicates information about the
tool and the battery status.

Readout of the data of the
crimping cycles via USB interface,
integrated service management

Video Stilo60

Stilo hydraulic crimping tools - SET equipment:

- Report of the tests made on the concrete tool after the production
- Battery-operated hydraulic crimping tool
- Battery 18 V/2,0 Ah Li-Ion (RA20)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case for the tool
  and for the crimping dies



BATTERY OPERATED HYDRAULIC CRIMPING TOOLS - STILO





STILO50

Battery operated hydraulic crimping tool 240 mm²

Order No.	Description	Tool weight
STILO50	Stilo hydraulic crimping tool - set	2,3 kg

CRIMPING SECTION	max. 240 mm²	CRIMPING FORCE	50 kN
MAXIMUM STROKE	16 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
 series 50	see page 81	see page 83	see page 79





STILO60

Battery operated hydraulic crimping tool 300 mm²

Order No.	Description	Tool weight
STILO60	Stilo hydraulic crimping tool - set	3,3 kg

CRIMPING SECTION	max. 300 mm²	CRIMPING FORCE	60 kN
MAXIMUM STROKE	17 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
 series 60-2	see page 81	see page 83	see page 79





STILO

Battery operated hydraulic crimping tool 300 mm² with built-in universal crimping head

Order No.	Description	Tool weight
STILO	Stilo hydraulic crimping tool - set	2,5 kg

CRIMPING SECTION	max. 300 mm²	CRIMPING FORCE	60 kN
HEAD OPENING	40 mm	OPERATING PRESSURE	700 bar (70 MPa)

Built-in universal crimping	for Cu IC standard tubular connectors	for brazed sheet terminals (ICQ)
	up to 300 mm²	up to 240 mm²

intercable TOOLS

BATTERY OPERATED HYDRAULIC CRIMPING TOOLS - HEAVY DUTY

100% MADE IN ITALY

WARRANTY 3 YEARS

Comfortable

Attachement for shoulder strap

Service friendly

easily changable due to a modular design

Reliability

Durable exterior and interior

DESIGN AWARD



Head rotation

360° tool head turning

Release

Pressure release button with single handed operation on both sides

Lighting

Integrated LED for illuminating the working area in poor light conditions

2-speed system

Easier work, thanks to the variable approaching speed for the precise positioning of the crimping tool

Powerful

18V 5Ah Lithium-Ion battery with status indicator for even more pressings during one battery life

Ergonomic

Effortless working and easy handling due to equilibrated 2-component handle

Pistol grip hydraulic crimping tools - SET equipment:

- Report of the tests made on the tool after the production
- Battery-operated hydraulic crimping tool
- Battery 18 V/5,0 Ah Li-Ion (RA50)
- Battery charger (LG8)
- Shoulder strap (TG2)
- Rigid plastic case for the to and for the crimping dies





AP60-1

Pistol grip crimping tool 240 mm²

Order No.	Description	Tool weight
AP60-1	Pistol grip hydraulic crimping tool - set	4,3 kg

CRIMPING SECTION	max. 240 mm²	CRIMPING FORCE	60 kN
MAXIMUM STROKE	17 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 60-1	see page 81	see page 83	see page 79





AP60-2

Pistol grip crimping tool 300 mm²

Order No.	Description	Tool weight
AP60-2	Pistol grip hydraulic crimping tool - set	4,4 kg

CRIMPING SECTION	max. 300 mm²	CRIMPING FORCE	60 kN
MAXIMUM STROKE	17 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 60-2	see page 81	see page 83	see page 79

BATTERY OPERATED HYDRAULIC CRIMPING TOOLS - HEAVY DUTY



Pistol grip crimping tool 400 mm²

Order No.	Description	Tool weight
AP130-C	Pistol grip hydraulic crimping tool - set	6,7 kg
AP130-C2	Pistol grip hydraulic crimping tool - set	7,4 kg

CRIMPING SECTION	max. 400 mm²	CRIMPING FORCE	130 kN
JAW OPENING	C: 29 mm, C2: 42 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 130	see page 81	see page 83	see page 79



Pistol grip crimping tool 400 mm²

Order No.	Description	Tool weight
AP130-H	Pistol grip hydraulic crimping tool - set	6,2 kg

CRIMPING SECTION	max. 400 mm²	CRIMPING FORCE	130 kN
MAXIMUM STROKE	30 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 130	see page 81	see page 83	see page 79



Dieless pistol grip crimping tool 300 mm²

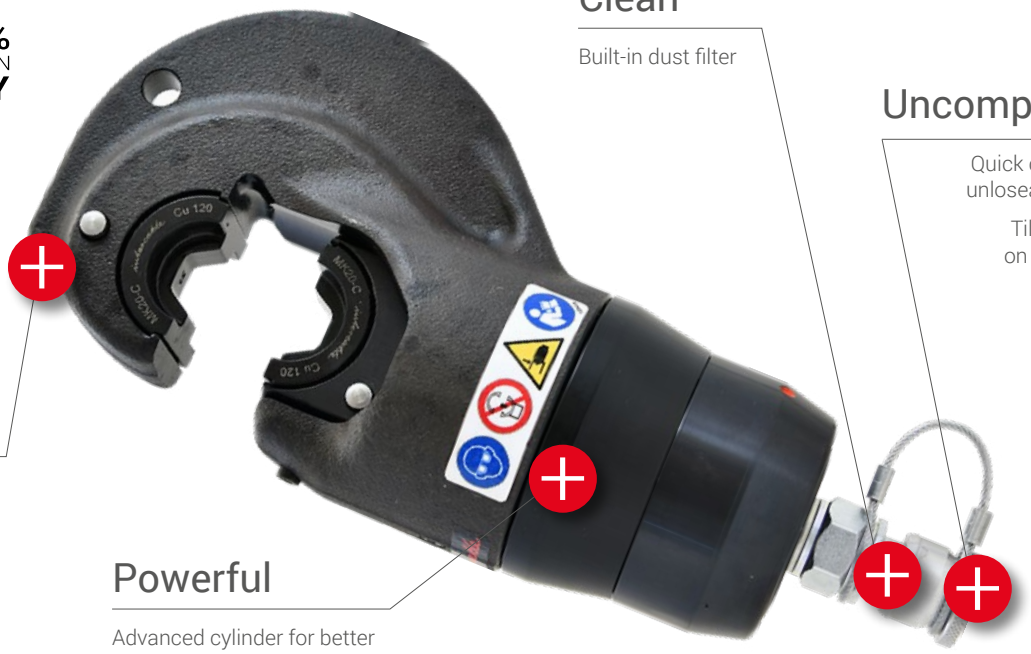
Order No.	Description	Tool weight
AP60-VD	Pistol grip hydraulic crimping tool - set	6,2 kg

CRIMPING SECTION	16 - 300 mm²	CRIMPING FORCE	60 kN
		OPERATING PRESSURE	700 bar (70 MPa)

Removable die housing for easy maintenance

HYDRAULIC CRIMPING HEADS

100% MADE IN ITALY



Clean

Built-in dust filter

Uncomplicated

Quick coupling with unloseable dust cap

Tilting coupling on bigger heads

Secure

Safety die-locking button

Powerful

Advanced cylinder for better force transmission

Hydraulic crimping heads - SET equipment:
- Hydraulic crimping head
- Rigid plastic / metal case for the tool and with places for crimping dies





PP130-C



TPI130





PP130-C2





PP130-H

Hydraulic crimping heads 400 mm²

Order No.	Description	Tool weight
PP130-C	Crimping head C 30 mm jaw opening	4,1 kg
PP130-C2	Crimping head C 42 mm jaw opening	4,4 kg
PP130-H	Crimping head H	3,4 kg
TPI130	Crimping head table	12 kg

CRIMPING SECTION	max. 400 mm	CRIMPING FORCE	130 kN
OPERATING PRESSURE			700 bar (70 MPa)
MAXIMUM STROKE PP130-C			30 mm
MAXIMUM STROKE PP130-C2			42 mm
MAXIMUM STROKE PP130-H			30 mm
MAXIMUM STROKE TPI130			36 mm

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 130	see page 81	see page 83	see page 79





PP60-1

Hydraulic crimping head 240 mm²

Order No.	Description	Tool weight
PP60-1	Crimping head	1,6 kg

CRIMPING SECTION	max. 300 mm	CRIMPING FORCE	60 kN
MAXIMUM STROKE	17 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 60-1	see page 81	see page 83	see page 79





PP60-2

Hydraulic crimping head 300 mm²

Order No.	Description	Tool weight
PP60-2	Crimping head	1,7 kg

CRIMPING SECTION	max. 300 mm	CRIMPING FORCE	60 kN
MAXIMUM STROKE	17 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 60-2	see page 81	see page 83	see page 79





PP230

Hydraulic crimping head 630 mm²

Order No.	Description	Tool weight
PP230	Crimping head	5,5 kg

CRIMPING SECTION	max. 630 mm²	CRIMPING FORCE	230 kN
MAXIMUM STROKE	28 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors	for Al DIN-series tubular connectors	for Cu I-series tubular connectors
series 230	see page 81	see page 83	see page 79





PP520

Video

Hydraulic crimping head 1.000 mm²

Order No.	Description	Tool weight
PP520	Crimping head	13,2 kg

CRIMPING SECTION	max. 1.000 mm²	CRIMPING FORCE	520 kN
MAXIMUM STROKE	25 mm	OPERATING PRESSURE	700 bar (70 MPa)

Crimping dies	for Cu DIN-series tubular connectors
series 520	see page 81





PP600

Hydraulic crimping head 1.600 mm²

Order No.	Description	Tool weight
PP600	Crimping head	17,0 kg

CRIMPING SECTION	max. 1.600 mm²	CRIMPING FORCE	600 kN
MAXIMUM STROKE	30 mm	OPERATING PRESSURE	700 bar (70 MPa)

* Bigger Crimping Heads on request

F1 SCISSORS



Special blade design:
to cut and strip cables



To cut Cu/Al cables
up to 50 mm²



Special slot to crimp
(0,5 - 4 mm²)

Strip

easy to strip of cables due to unique shape



Cut

non slip blade with micro-indentations
heavy duty stainless steel blades

Suitable

2 component handle for a
perfect grip to ensure the
best cutting performance

Durable

possibility to readjust the tool to
avoid the natural wear

Crimp

crimping of end-sleeves
from 0,5 up to 4 mm²

Video F1

Video F1
production



F1 electrician scissors 2K 3in1
+ Safety box

Description	Order No.	Blade	Length
F1 scissors with Safety box	16020-F1	straight	160 mm

- To cut Cu/Al cables up to 50 mm²
- With slot to crimp end-sleeves from 0,5 to 4 mm²
- Blades with optimized teeth
- High cutting performance
- Loose-free screw/pin hinge
- 2 component handle

Attention: Not suitable for work under voltage!



Cable cutter scissors + safety box and Voltage tester

Description	Order No.
1 Cable scissors - 16020-F1 1 Voltage tester - AM0208	16020-CF1

- Voltage range: 50 - 600 VAC, 50 - 60 Hz
- Voltage display: optical and acoustic signal
- Application range: 0 - 50°C

Suitable for determining the voltage without contact



Electricians' scissors 2K

Description	Order No.	Blade	Length
Special scissors 16012 + safety box	16012 16014	straight	140 mm

- 2-component handles
- High cutting performance
- Blades with optimized teeth
- Loose-free screw/pin fixing

Attention: Not suitable for work under voltage!



CONNECT scissors 2K

Description	Order No.	Blade	Length
CONNECT scissors with safety box	16040	straight with cut-in	153 mm

- 2-component handles
- High cutting performance
- Blades with optimized teeth and cut-in part for stripping
- Built-in crimping function for end-sleeves up to 4 mm^2
- Loose-free screw/pin fixing

Attention: Not suitable for work under voltage!



Safety box

Description	Order No.
Safety box empty for model 16012, 16020, 16040	16029

KNIVES - 1000V



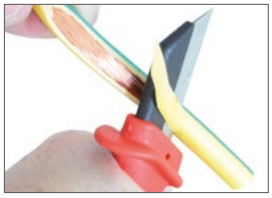
- Universal cutting blade

Universal knife with clappable blade protection

Description	Order No.	Blade	Length
Cable knife	AV3910	interch. 50 mm	185 mm
Spare blade	AV3911	-	50 mm

- 1000V insulated tool
- With replaceable standard blade (thickness 0,65 mm)
- Made of shock-proofed material
- Integrated, captive blade guard





- Special stripping blade shape
- Special blade grinding suitable for stripping cable without damaging the individual wires

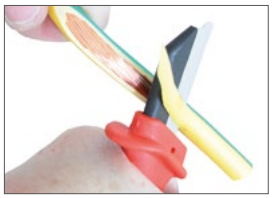


Cable stripping knife with clappable blade protection

Description	Order No.	Blade	Length
Cable knife	AV3920	interch. 50 mm	185 mm
Spare blade	AV3921	-	50 mm

- 1000V insulated tool
- Specially hardened blade suitable for stripping cables
- With replaceable solid blade and insulated blade-back
- Made of shock-proofed material
- Integrated, captive blade guard





- Special blade grinding suitable for stripping cable without damaging the
- Individual wires
- Insulating blade with a very long service life

Special cable stripping knife with ceramic blade

Description	Order No.	Blade	Length
Cable knife	AV3930	fixed 46 mm	185 mm

- 1000V insulated tool
- Integrated, captive blade guard
- High cutting capacity

Replacing blade is not available





Cable stripping knife with safety cap

Description	Order No.	Blade	Length
Cable knife	288700	fixed 47 mm	175 mm

- Special blade with guide blade prevents damage of conductor strands
- For removal of insulation and sheath
- Blade and blade back sharpened
- Blade of tempered stainless steel
- Insulation of tough non-brittle plastic



Hacksaw

WIDTH OF BLADE	5 mm
THICKNESS OF BLADE	0,80 mm

Description	Order No.	Length	Weight
Hacksaw	**424200**	280 mm	230 g
Spare saw-blade	**433010**	150 mm	3 g

- Made of flat steel 10 x 5 mm, galvanized
- For 148 mm saw-blades
- With insulated rotary handle for blade tension
- Insulation of soft, non-brittle plastic

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE



Hacksaw

WIDTH OF BLADE	13 mm
THICKNESS OF BLADE	0,63 mm

Description	Order No.	Length	Weight
Hacksaw / saw-blade	**424300**	470 mm	660 g
Blade 22/32 teeth width 13 mm, thickn. 0,63 mm	**421000**	300 mm	17 g
Blade 18 teeth width 13 mm, thickn. 0,63 mm	**421016**	300 mm	17 g
Blade double-sided 22/32 teeth width 25 mm, thickn. 0,8 mm	**421920**	300 mm	40 g

- With insulated wing bold for blade tension
- Insulation of soft, non-brittle plastic

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE



Insulated cable sheath saw

Description	Order No.	Length	Weight
Cable sheat saw (24 teeth, fine)	**430302**	250 mm	140 g
Saw-blade (14 teeth, coarse)	**430801**	120 mm	6 g
Saw-blade (24 teeth, fine)	**430805**	120 mm	6 g

- For steel strip armoured cable
- Adjustable stopper
- Replaceable saw-blade
- Coarse toothed saw-blade for soft materials
- Fine toothed saw-blade for sheet metal cutting, saw-blade no. 430805 - 24 teeth fine
- Insulation made of shock-proof material
- If desired, alternatively 14 saw blade teeth can be supplied

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE

MECHANIC CUTTING TOOLS

CUTTING TOOLS / ORDER NO.	FEATURE	LENGTH, WEIGHT
 16032	C 1000V EN/IEC60900:2004 **Insulated cable shears 2K** • Adjustable screwjoint • High cutting performance • Surface treatment: burnished and polished • 2-component-handles	180 mm, 0,10 kg
 1202160	C 1000V EN/IEC60900:2004 **Side cutter 2K** • Very slim design of the head • For cutting hard and soft wire • Induction hardened precision cutting • High cutting performance • 2-component resistant insulated handles	160 mm, 0,21 kg
 1604160	C 1000V EN/IEC60900:2004 **Cable cutter D17 2K** • For cutting **Cu and Al cables up to 50 mm²** • With adjustable screw joint • Special tool steel with chrome finish • 2-component resistant insulated handles • Jaw opening: 17 mm	160 mm, 0,22 kg
 1604200	C 1000V EN/IEC60900:2004 **Cable cutter D22 2K** • For cutting **Cu and Al cables up to 80 mm²** • 2 types of cutting edges • With adjustable screw joint • Special tool steel with chrome finish • 2-component resistant insulated handles • Jaw opening: 25 mm	200 mm, 0,35 kg
 11094	C 1000V EN/IEC60900:2004 **Cable cutter D15 2K ISOplus** • For cutting flexible Al and Cu conductors • Up to 50 mm² • Blades are induction hardened • 2-component insulated handles • ISOplus safety insulation	170 mm, 0,15 kg
 MSA180	**MultiCutter 3in1** Cutting: cable < Ø 11 mm • soft wire < Ø 6 mm, • hard wire < Ø 2 mm, Stripping cable Ø 5 - 16 mm • 3 x 1,5 mm² < 5 x 1,5 mm² Stripping flexible conductors < Ø 5 mm Induction hardened blades Ergonomic handle	185 mm, 0,27 kg
 MKS200	**Heavy-duty side cutter** • Precision cutter for piano wire 62 HRC • Cutting length: 24 mm • Special tool steel, oil-hardened • Leverage, thus 40% power savings	200 mm, 0,33 kg



ORDER NO.	1605034	1607062	1608032
CABLE TYPE	Al, Cu	Al, Cu	ACSR (Al/Steel)
CUTTING RANGE MAX.	D 34 mm / 300 mm²	D 62 mm / 500 mm²	D 32 mm / 240 mm²
LENGTH	296 mm	306 mm	346 mm
WEIGHT	0,63 kg	0,89 kg	1,4 kg


1605034


1607062


1608032

intercable
TOOLS

THE NEW STILO-S CABLE CUTTERS



HYDRAULIC CUTTING TOOLS - OVERVIEW

	CUTTING HEADS*	HAND OPERATED	BATTERY OPERATED		CUTTING Ø MAX.	APPLICATION RANGE
SERIES 25	 PS25	 HS25	 STILO-S25	 AS25	Ø 25 mm	• Steel • ACSR • Aluminium • Copper
SERIES 26			 STILO-S26		Ø 26 mm	• Steel • ACSR • Aluminium • Copper
SERIES 40			 STILO-S40		Ø 40 mm	• Aluminium • Copper
SERIES 45	 PS45	 HSI45		 AS45	Ø 45 mm	• Steel • ACSR • Aluminium • Copper
SERIES 50	 PS50	 HSI50	 STILO-S50F	 AS50	Ø 50 mm	• Aluminium • Copper • Light armoured cables
SERIES 54			 STILO-S54		Ø 54 mm	• Aluminium • Copper
SERIES 65	 PS65			 AS65	Ø 65 mm	• Aluminium • Copper • Light armoured cables
SERIES 85	 PS85	 HSI85		 AS85	Ø 85 mm	• Aluminium • Copper • Light armoured cables
SERIES 95	 PS95			 AS95	Ø 95 mm	• Aluminium • Copper • Light armoured cables
SERIES 120-2	 PS120-2			 AS120-2	Ø 120 mm	• Aluminium • Copper • Light armoured cables
SERIES 120	 PS120 (SK160)				Ø 120 mm	• Aluminium • Copper • Heavy armoured cables

* Tool heads operated by hydraulic pumps, see page 47
* Bigger cutting tools on request

HAND HYDRAULIC CUTTING TOOLS

HS25

100% MADE IN ITALY

Portable / Resistant

Alu body for low capacity tools to give them lightness

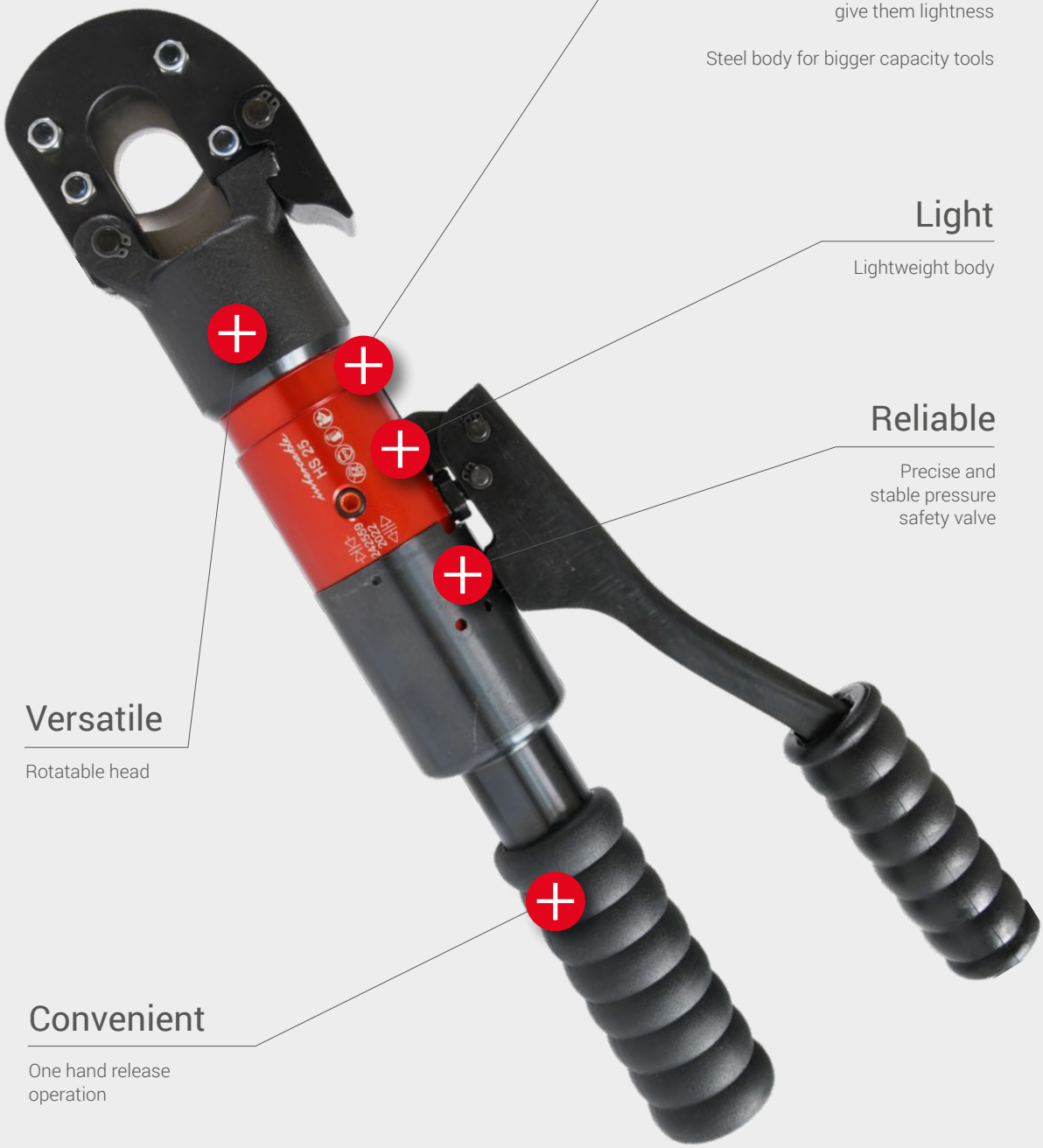
Steel body for bigger capacity tools

Light

Lightweight body

Reliable

Precise and stable pressure safety valve



Versatile

Rotatable head

Convenient

One hand release operation

Hand hydraulic cutting tools - SET equipment:

- Report of the tests made on the concrete tool after the production
- Manual hydraulic cutting tool
- Rigid plastic case



Spare blades are available for each



HS25

Hand hydraulic cutting tool Ø25 mm (Steel, ACSR, Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
HS25	Hand hydraulic cutting tool - set	2,9 kg	60 kN

Sector of use:		Tensile strength N/mm²	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■
	Bar	<250	■	■	■	■	■	■		
	Bar	<300	■	■	■	■	■	■		
Aluminium	Rope and cable	<200								
	Bar	<160								
	Bar	<340								
Aldrey	Cable	<340								
Alu/Steel	Rope	<1800								
Steel	Rope	<2200	■							
	Bar	<600	■	■						
	Bar	<420	■	■	■	■				
	Rope (>200 wires)	<180	■	■	■	■	■			



HSI45

Hand hydraulic cutting tool Ø45 mm (Steel, ACSR, Aluminium)

Order No.	Description	Tool weight	Cutting force
HSI45	Hand hydraulic cutting tool - set	5,7 kg	60 kN

Sector of use:		Tensile strength N/mm²	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 25 mm	Ø 27 mm	Ø 31 mm	Ø 33 mm	Ø 35 mm	Ø 37 mm	Ø 39 mm	Ø 41 mm	Ø 43 mm	Ø 45 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Bar	<300	■	■	■	■	■	■											
	Bar	<250	■	■	■	■	■	■	■	■									
Aluminium	Bar	<340																	
	Rope and cable	<200																	
	Bar	<160																	
Aldrey	Rope and cable	<340																	
Alu/Steel	Rope	<1800																	
Steel	Rope	<2200	■	■															
	Bar	<600	■	■	■														
	Bar	<420	■	■	■	■													
	Rope (>200 wires)	<180	■	■	■	■	■												



HSI50

Hand hydraulic cutting tool Ø50 mm (Copper, Aluminium)

Order No.	Description	Tool weight	Cutting force
HSI50	Hand hydraulic cutting tool - set	5,1 kg	60 kN

Sector of use:		Tensile strength N/mm²	<Ø20 mm	<Ø25 mm	<Ø30 mm	<Ø40 mm	<Ø45 mm	<Ø50 mm	<Ø55 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■
Aluminium	Rope and cable	<200							

HSI50F is available: specially designed to the flexible cable classes 5, 6



HSI85

Hand hydraulic cutting tool Ø85 mm (Copper, Aluminium)

Order No.	Description	Tool weight	Cutting force
HSI85	Hand hydraulic cutting tool - set	7,3 kg	70 kN

Sector of use:		Tensile strength N/mm²	<Ø50 mm	<Ø55 mm	<Ø60 mm	<Ø65 mm	<Ø70 mm	<Ø75 mm	<Ø80 mm	<Ø85 mm	<Ø90 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■	
Aluminium	Rope and cable	<200									

Spare blades are available for each

intercable TOOLS

BATTERY OPERATED HYDRAULIC CUTTING TOOLS - STILO

100% MADE IN ITALY

Accurate

Clean and straight cut thanks to new cutting geometry

Wear-resistant

Cutting blades in alloyed and hardened tool steel with special coating for wear reduction

Head rotation

Cutting head endlessly rotatable, enables work in any position

Resistant

Light and compact design
Housing in impact resistant plastic



Efficient

Automatic opening after cutting process is completed, protects battery and device

Ergonomic

Effort-saving work and easy handling thanks to the balanced 2-component handle

Intelligent

Readout of the cutting cycles via USB interface, integrated service management (from 20,000 cycles)

Multifunction LED

indicates information about the tool and the battery status

Powerful

Powerful, replaceable 18V / 2,0 Ah Li-Ion battery with integrated battery management for even more work cycles

Easy change and adjustment of the cutting blades

To change the blades only an open-end wrench is needed for counterholding, so that you can loosen, remove or tighten the blades with a hexagon socket on the opposite side. Thanks to the soft rubber cover of the blades, you have easy access to the blade screws.

Less service intensive

The new design of the cutting head, in addition to the new internal design of the tool, increases the service life and handling of the tool for the customer.

Spare blades are available for each

Stronger Cutting force

Thanks to the new innovative shape of the cutting blades, the force transmission to the cable is bigger. In addition, a larger piston is installed and generates a bigger cutting force.

Stilo hydraulic cutting tools - SET equipment:

- Report of the tests made on the concrete tool after the production
- Battery-operated hydraulic cutting tool
- Battery 18 V/2,0 Ah Li-Ion (RA20)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



BATTERY OPERATED HYDRAULIC CUTTING TOOLS - STILO





STILO-S25

Battery operated hydraulic cutting tool Ø26 mm (Steel, ACSR, Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
STILO-S25	Hydraulic cutting tool S25 - set	3,7 kg	60 kN

Sector of use:		Tensile strength N/mm²	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■
	Bar	<250	■	■	■	■	■	■		
	Bar	<300	■	■	■	■	■	■		
Aluminium	Rope and cable	<200								
	Bar	<160								
	Bar	<340								
Aldrey	Cable	<340								
Alu/Steel	Rope	<1800								
Steel	Rope	<2200	■							
	Bar	<600	■	■						
	Bar	<420	■	■	■	■				
	Rope (>200 wires)	<180	■	■	■	■	■			



Video S26



STILO-S26

Battery operated hydraulic cutting tool Ø26 mm (Steel, ACSR, Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
STILO-S26	Hydraulic cutting tool S26 - set	4,4 kg	44 kN

Sector of use:		Tensile strength N/mm²	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■
	Bar	<250	■	■	■	■	■	■		
	Bar	<300	■	■	■	■	■	■		
Aluminium	Rope and cable	<200								
	Bar	<160								
	Bar	<340								
Aldrey	Cable	<340								
Alu/Steel	Rope	<1800								
Steel	Rope	<2200	■							
	Bar	<600	■	■						
	Bar	<420	■	■	■	■				
	Rope (>200 wires)	<180	■	■	■	■	■			



Video S40



STILO-S40

Battery operated hydraulic cutting tool Ø40 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
STILO-S40	Hydraulic cutting tool S40 - set	3,1 kg	29 kN

Sector of use:		Tensile strength N/mm²	Ø 20 mm	Ø 25 mm	Ø 30 mm	Ø 35 mm	Ø 40 mm
Copper	Rope and cable	<410	■	■	■	■	■
Aluminium	Rope and cable	<210					

Stilo-S40: cable class 1, 2, 5



Video S54



STILO-S50F

STILO-S54

Battery operated hydraulic cutting tool Ø50 mm / Ø54 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
STILO-S50F	Hydraulic cutting tool S50F - set	3,2 kg	26 kN
STILO-S54	Hydraulic cutting tool S54 - set	3,9 kg	32 kN

Sector of use:		Tensile strength N/mm²	Ø 20 mm	Ø 25 mm	Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■
Aluminium	Rope and cable	<210							

Stilo-S50F: specially designed to the flexible cable classes 5, 6
Stilo-S54: cable classes 1, 2, 5

Spare blades are available for each

intercable TOOLS

BATTERY OPERATED HYDRAULIC CUTTING TOOLS - HEAVY DUTY

Reliability

Durable exterior and interior

WARRANTY 3 YEARS

Service friendly

easily changable due to a modular design

100% MADE IN ITALY

Head rotation

360° tool head turning

Comfortable

Attachement for shoulder strap



2-speed system

Easier to work, thanks to the variable approach speed for precise positioning of the cutting tool

Release

Pressure release button with single handed operation on both sides

Lighting

Integrated LED for illuminating the working area in poor light conditions

Ergonomic

Effortless working and easy handling due to equilibrated 2-component handle

Powerful

18V 3Ah Lithium-Ion battery for even more cuts during one battery life

Pistol grip hydraulic cutting tools - SET equipment:

- Report of the tests made on the concrete tool after the production
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA50)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Spare blades are available for each

BATTERY OPERATED HYDRAULIC CUTTING TOOLS - HEAVY DUTY



AS25



Pistol grip cutting tool Ø25 mm (Steel, ACSR, Al, Cu)

Order No.	Description	Tool weight	Cutting force
AS25	Pistol grip hydraulic cutting tool - set	4,2 kg	60 kN

Sector of use:		Tensile strength N/mm²	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■
	Bar	<250	■	■	■	■	■	■		
	Bar	<300	■	■	■	■	■	■		
Aluminium	Rope and cable	<200	■	■	■	■	■	■	■	■
	Bar	<160	■	■	■	■	■	■	■	■
	Bar	<340	■	■	■	■				
Aldrey	Cable	<340	■	■	■	■	■	■	■	■
Alu/Steel	Rope	<1800	■	■	■	■	■	■	■	
Steel	Rope	<2200	■							
	Bar	<420	■	■						
	Bar	<600	■	■	■	■				
	Rope (>200 wires)	<180	■	■	■	■	■			



AS45



Pistol grip cutting tool Ø45 mm (Steel, ACSR, Al, Cu)

Order No.	Description	Tool weight	Cutting force
AS45	Pistol grip hydraulic cutting tool - set	5,4 kg	60 kN

Sector of use:		Tensile strength N/mm²	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 25 mm	Ø 27 mm	Ø 31 mm	Ø 33 mm	Ø 35 mm	Ø 37 mm	Ø 39 mm	Ø 41 mm	Ø 43 mm	Ø 45 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Bar	<300	■	■	■	■	■	■											
	Bar	<250	■	■	■	■	■	■	■	■									
Aluminium	Bar	<340	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
	Rope and cable	<200	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
	Bar	<160	■	■	■	■	■	■	■	■	■	■							
Aldrey	Rope and cable	<340	■	■	■	■	■	■	■	■									
Alu/Steel	Rope	<1800	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Steel	Rope	<2200	■	■															
	Bar	<600	■	■	■														
	Bar	<420	■	■	■	■													
	Rope (>200 wires)	<180	■	■	■	■	■												



AS50





Video AS65

AS65



Pistol grip cutting tool Ø50 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
AS50	Pistol grip hydraulic cutting tool - set	5,4 kg	60 kN

AS50F is available: specially designed to the flexible cable classes 5, 6



AS85



Pistol grip cutting tool Ø65 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
AS65	Pistol grip hydraulic cutting tool - set	7,6 kg	44 kN



AS95



Pistol grip cutting tool Ø85 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
AS85	Pistol grip hydraulic cutting tool - set	7,2 kg	70 kN

Pistol grip cutting tool Ø95 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
AS95	Pistol grip hydraulic cutting tool - set	9,8 kg	65 kN



AS120-2



Pistol grip cutting tool Ø120 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
AS120-2	Pistol grip hydraulic cutting tool - set	10,5 kg	60 kN

Tool weight: the hydraulic cutting tool with the battery

HYDRAULIC CUTTING HEADS

100% MADE IN ITALY

Sharp
Improved cutting geometry

Handy
Handling grip on bigger heads

Uncomplicated
Quick coupling with unloseable dust cap

Universal
Tilting coupling on bigger heads



Quality
Reinforced cutting head

Simple
Customer friendly spare blade replacements

Powerful
Advanced cylinder for better force transmission

Clean
Built-in dust filter

Hydraulic cutting heads - SET equipment:
- Hydraulic cutting head
- Rigid plastic / metal case or soft nylon case

Spare blades are available for each



PS25



Hydraulic cutting head Ø25 mm (Steel, ACSR, Aluminium)

Order No.	Description	Tool weight	Cutting force
PS25	Hydraulic cutting head - set	1,9 kg	60 kN

Sector of use:		Tensile strength N/mm²	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■
	Bar	<250	■	■	■	■	■	■		
	Bar	<300	■	■	■	■	■	■		
Aluminium	Rope and cable	<200	■	■	■	■	■	■	■	■
	Bar	<160	■	■	■	■	■	■	■	■
	Bar	<340	■	■	■	■				
Aldrey	Cable	<340	■	■	■	■	■	■	■	■
Alu/Steel	Rope	<1800	■	■	■	■	■	■	■	■
Steel	Rope	<2200	■							
	Bar	<420	■	■						
	Bar	<600	■	■	■	■				
	Rope (>200 wires)	<180	■	■	■	■	■			



PS45



Hydraulic cutting head Ø45 mm (Steel, ACSR, Aluminium)

Order No.	Description	Tool weight	Cutting force
PS45	Hydraulic cutting head - set	3,7 kg	60 kN

Sector of use:		Tensile strength N/mm²	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 25 mm	Ø 27 mm	Ø 31 mm	Ø 33 mm	Ø 35 mm	Ø 37 mm	Ø 39 mm	Ø 41 mm	Ø 43 mm	Ø 45 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Bar	<300	■	■	■	■	■	■											
	Bar	<250	■	■	■	■	■	■	■	■									
Aluminium	Bar	<340	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Rope and cable	<200	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Bar	<160	■	■	■	■	■	■	■	■	■								
Aldrey	Rope and cable	<340	■	■	■	■	■	■	■	■									
Alu/Steel	Rope	<1800	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Steel	Rope	<2200	■	■															
	Bar	<600	■	■	■	■	■												
	Bar	<420	■	■	■	■	■	■											
	Rope (>200 wires)	<180	■	■	■	■	■	■	■										

HYDRAULIC CUTTING HEADS



PS50



Hydraulic cutting head Ø50 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
PS50	Hydraulic cutting head - set	2,9 kg	60 kN

PS50F is available: specially designed to the flexible cable classes 5, 6



PS65



Hydraulic cutting head Ø65 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
PS65	Hydraulic cutting head - set	4,7 kg	44 kN



PS85



Hydraulic cutting head Ø85 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
PS85	Hydraulic cutting head - set	4,5 kg	70 kN



PS95



Hydraulic cutting head Ø95 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
PS95	Hydraulic cutting head - set	7,5 kg	65 kN



PS120-2



Hydraulic cutting head Ø120 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
PS120-2	Hydraulic cutting head - set	8,2 kg	60 kN



PS120



Hydraulic cutting head Ø120 mm (Aluminium, Copper)

Order No.	Description	Tool weight	Cutting force
PS120	Hydraulic cutting head - set	9,6 kg	100 kN



PS120-SK160



Hydraulic cutting head Ø120 mm (for wire armoured aluminium and copper cables)

Order No.	Description	Tool weight	Cutting force
PS120-SK160	Hydraulic cutting head - set	11,0 kg	135 kN

* Bigger cutting heads on request

Spare blades are available for each

PUNCHING TOOLS

100% MADE IN ITALY

Flexible

Balanced centre of gravity for easy handling and effortless operations

Manageable

High flexibility using 360° rotating head

Resistant

Light and compact design

Housing in impact resistant plastic

Ergonomic

Effort-saving work and easy handling thanks to balanced 2-component hand

Quiet

Extra silent motor

Multifunction LED

indicates information about the tool and the battery status



Control

Punching detection

Reliable

An integrated pressure sensor increases the service life of the punching tool.

First service after 20.000 cycles

Intelligent

Readout of the data of the punching cycles via USB interface, integrated service management

Powerful

Powerful, replaceable 18V Li-Ion battery with integrated battery management for even more work cycles

Video Stilo-BL



Set equipment:
- Hand-operated hydraulic hole punching tool
- 1 draw stud 9.5 x 19.0 mm
- 1 draw stud 19.0 x 125.0 mm
- 1 spacer sleeve
- 1 tube of anti-wear paste
- 1 HSS-E step drill
- Operating instructions, safety and maintenance instructions
- Carrying case for the tool and accessories as well as 8 pairs of round hole inserts



HP60-BL

Hand-operated hydraulic hole punching tool

Order No.	Description	Tool weight
HP60-BL	Hand-operated hydraulic hole punching tool	4,2 kg

PUNCHING FORCE	60kN
OPERATING PRESSURE	700 bar

Punching capacity (max. sheet thicknesses):
- Up to Ø 63.5 mm: ..... 3.0 mm steel / 2.5 mm stainless steel
- Up to Ø 68.0 x 68.0 mm: ..... 3.0 mm steel / 1.5 mm stainless steel
- Up to Ø 92.0 x 92.0 mm: ..... 2.5 mm steel / 1.5 mm stainless steel
- Larger than 92.0 x 92.0 mm, up to 138.0 x 138.0 mm 2 mm steel

Set equipment:
- Battery-operated hydraulic hole punching tool
- Li-ion battery 18V - 1.5Ah
- Battery charger LG8
- 1 draw stud 9.5 x 19.0 mm
- 1 draw stud 19.0 x 125.0 mm
- 1 spacer sleeve
- 1 tube of anti-wear paste
- 1 HSS-E step drill
- USB cable
- CD-ROM (software)
- Operating instructions, safety and maintenance instructions
- Carrying case for the tool, spare batteries, charger, and 8 pairs of round hole inserts



STILO-BL

Battery-operated hydraulic hole punching tool

Order No.	Description	Tool weight
STILO-BL	Battery-operated hydraulic hole punching tool	6,3 kg

PUNCHING FORCE	60kN
OPERATING PRESSURE	700 bar

Punching capacity (max. sheet thicknesses):
- Up to Ø 63.5 mm: ..... 3.0 mm steel / 2.5 mm stainless steel
- Up to Ø 68.0 x 68.0 mm: ..... 3.0 mm steel / 1.5 mm stainless steel
- Up to Ø 92.0 x 92.0 mm: ..... 2.5 mm steel / 1.5 mm stainless steel
- Larger than 92.0 x 92.0 mm, up to 138.0 x 138.0 mm 2 mm steel

Scope of delivery: Hydraulic cylinder (without draw bolts)



PBL60

Hydraulic hole punching tool

Order No.	Description	Tool weight
PBL60	Hydraulic hole punching tool	2,5 kg

PUNCHING FORCE	60kN
OPERATING PRESSURE	700 bar

Punching capacity (max. sheet thicknesses):
- Up to Ø 63.5 mm: ..... 3.0 mm steel / 2.5 mm stainless steel
- Up to Ø 68.0 x 68.0 mm: ..... 3.0 mm steel / 1.5 mm stainless steel
- Up to Ø 92.0 x 92.0 mm: ..... 2.5 mm steel / 1.5 mm stainless steel
- Larger than 92.0 x 92.0 mm, up to 138.0 x 138.0 mm 2 mm steel

TRE SPLIT - hole punching dies for hydraulic punchers

Easy clean cut in 3 pieces, without any stuck.

Metric line

Hole Ø mm	16,2	20,4	25,4	32,5	40,5	50,5	63,5	30,5
Order No.	BLTM16	BLTM20	BLTM25	BLTM32	BLTM40	BLTM50	BLTM63	BLTN30,5
Draw stud	ZB9,5x19			ZB19x125				ZB9,5x19



Punching die

PG line

Hole Ø mm	18,6	20,4	22,5	28,3	37,0	47,0	54,0	60,0
Order No.	BLTPG11	BLTPG13	BLTPG16	BLTPG21	BLTPG29	BLTPG36	BLTPG42	BLTPG48
Draw stud	ZB9,5x19				ZB19x125			

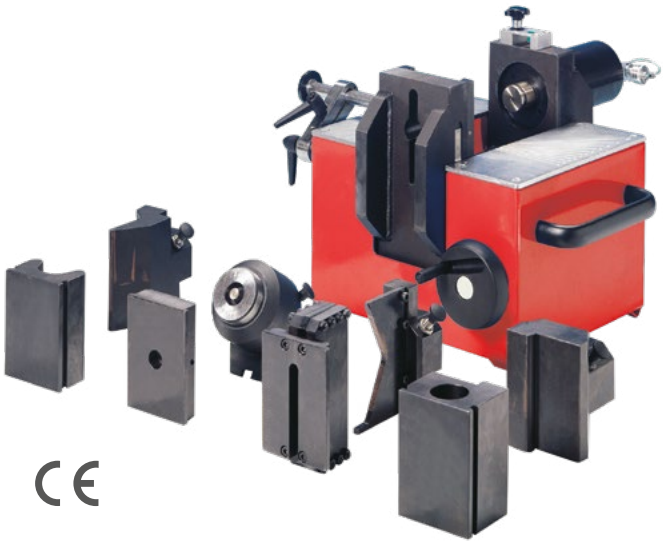


Draw studs

intercable TOOLS

ELECTRIC BUS BAR PROCESSING UNIT

Video BLS



BLS120 - Power rail work station

Designed to bend, punch, cut and crimp bus bars in copper or aluminium up to 120 x 12 mm. The works station must be powered by a hydraulic pump (max. pressure 700bar/70MPa).

Technical characteristics:

- Sturdy and compact, suitable for use in workshops and on construction sites
- Composed of a base unit and a variety of work tools, interchangeable tools depending on the task being performed
- Simple and quick tool changing
- The electrical proximity switch guarantees 100% bending repeatability
- The work bench adjusts in height with a side stop to make holes without tracing and measuring
- Quick automatic-lock connection of hydraulics and undetachable dust cap
- Cutting tool for clean burr-free cuts due to special shape of the blade
- Exact dimensional bending of bow in one operation
- Perforates and cutts laminated power rails and earthing strips

Force generated: ..... max. 185 kN
Operating pressure: ..... 700bar (70 MPa)
Bus bar width: ..... up to 120 mm
Bus bar thickness: ..... up to 12 mm



NP220
(main powered)

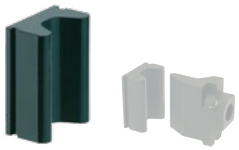


ANP24/220
(main and battery powered)

Recommended pumps
to operate BLS-120

Order No.	Description	Dimensions	Weight
BLS-120	Power rail work station	480x500x360 mm	53 kg

Accessories:

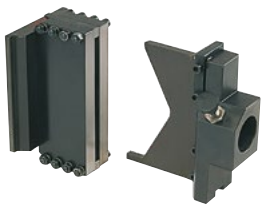


Order No.	Description	Power rail dimensions	Weight
BLS-M	Bending female die	up to 120 x 12 mm	3,3 kg



Order No.	Description	Bending radius	Bending angle	Weight
BLS-R5	Bending tool	R5 mm	to 110°	4 kg
BLS-R8	Bending tool	R8 mm	to 110°	4,1 kg
BLS-R10	Bending tool	R10 mm	to 110°	4,4 kg
BLS-R20	Bending tool	R20 mm	to 110°	5 kg
BLS-R	Back-bending die			3,8 kg

Attention:
The bending female die BLS-M must have had (ordered separately) beside any BLS-R... bendig tool for the bending process!



Order No.	Description	Power rail dimensions	Weight
BLS-S	Cutting tool for massive power rails	up to 120 x 12 mm	5,8 kg



Order No.	Description	Power rail dimensions	Weight
BLS-SL	Cutting tool for laminated rails	up to 120 x 12 mm	9,0 kg



Order No.	Description	Power rail dimensions	Weight
BLS-K	Offset shaping tool	up to 120 x 12 mm	11,0 kg

ELECTRIC BUS BAR PROCESSING UNIT



Technical characteristics:
- For solid and laminated bus bars
- Perforation near the Insulation possible (min. 5 mm) by step in the tool
- Round hole: Ø 6.5 to 21.0 mm
- Longitudinal slot: 6.5 x 13 tos 17 x 20 mm

Order No.	Description	Power rail dimensions	Weight
BLS-L4	Perforation tool IV for laminated and solid rails	up to 120 x 12 mm	4,3 kg



Description	Ø	Female die	Punch	Stripper
Round hole punch and female dies for laminated and solid bus bars	6,5 mm	**LS4R06,5M**	**LS4R06,5S**	**LS4R06,5N**
	7,0 mm	**LS4R07,0M**	**LS4R07,0S**	**LS4R07,0N**
	8,5 mm	**LS4R08,5M**	**LS4R08,5S**	**LS4R08,5N**
	9,0 mm	**LS4R09,0M**	**LS4R09,0S**	**LS4R09,0N**
	10,0 mm	**LS4R10,0M**	**LS4R10,0S**	**LS4R10,0N**
	10,5 mm	**LS4R10,5M**	**LS4R10,5S**	**LS4R10,5N**
	11,0 mm	**LS4R11,0M**	**LS4R11,0S**	**LS4R11,0N**
	12,0 mm	**LS4R12,0M**	**LS4R12,0S**	**LS4R12,0N**
	13,0 mm	**LS4R13,0M**	**LS4R13,0S**	**LS4R13,0N**
	14,0 mm	**LS4R14,0M**	**LS4R14,0S**	**LS4R14,0N**
	14,5 mm	**LS4R14,5M**	**LS4R14,5S**	**LS4R14,5N**
	15,0 mm	**LS4R15,0M**	**LS4R15,0S**	**LS4R15,0N**
	17,0 mm	**LS4R17,0M**	**LS4R17,0S**	**LS4R17,0N**
	18,0 mm	**LS4R18,0M**	**LS4R18,0S**	**LS4R18,0N**
	19,0 mm	**LS4R19,0M**	**LS4R19,0S**	**LS4R19,0N**
	21,0 mm	**LS4R21,0M**	**LS4R21,0S**	**LS4R21,0N**

Attention:
Female die (M) + Punch (S) + Stripper (N) all must have had for the hole punching!



Description	Ø	Female die	Punch	Stripper
Long hole punch and female dies for laminated and solid bus bars on request	6,5x13,0	**LS4L06,5x13,0M**	**LS4L06,5x13,0S**	**LS4L06,5x13,0N**
	10,5x13,0	**LS4L10,5x13,0M**	**LS4L10,5x13,0S**	**LS4L10,5x13,0N**
	8,5x16,0	**LS4L08,5x16,0M**	**LS4L08,5x16,0S**	**LS4L08,5x16,0N**
	6,5x21,0	**LS4L06,5x21,0M**	**LS4L06,5x21,0S**	**LS4L06,5x21,0N**
	8,0x20,0	**LS4L08,0x20,0M**	**LS4L08,0x20,0S**	**LS4L08,0x20,0N**
	9,0x20,0	**LS4L09,0x20,0M**	**LS4L09,0x20,0S**	**LS4L09,0x20,0N**
	13,0x20,0	**LS4L13,0x17,0M**	**LS4L13,0x17,0S**	**LS4L13,0x17,0N**
	11,0x20,0	**LS4L11,0x20,0M**	**LS4L11,0x20,0S**	**LS4L11,0x20,0N**
	13,0x20,0	**LS4L13,0x20,0M**	**LS4L13,0x20,0S**	**LS4L13,0x20,0N**
	14,0x20,0	**LS4L14,0x20,0M**	**LS4L14,0x20,0S**	**LS4L14,0x20,0N**
	17,0x20,0	**LS4L17,0x20,0M**	**LS4L17,0x20,0S**	**LS4L17,0x20,0N**



Plastic case for BLS tools and dies (Accessories)

Accessories:

Description	Order No.	Dimensions	Weight
Trolley for BLS	**BLS-W**	800x500x750 mm	ca. 45 kg
Trestle for BLS	**BLS-B**	800x440 mm	ca. 5 kg
Plastic case for BLS	**ACBLSWZG**	400x250x250	6,5 kg
Spray Metalflux	**SPRAY-M**	400 ml	ca. 450 g



Spray for cutting and punching



Trolley/Trestle for positioning the Bus Bar Work Station on ergonomic high

PUNCHING TOOLS



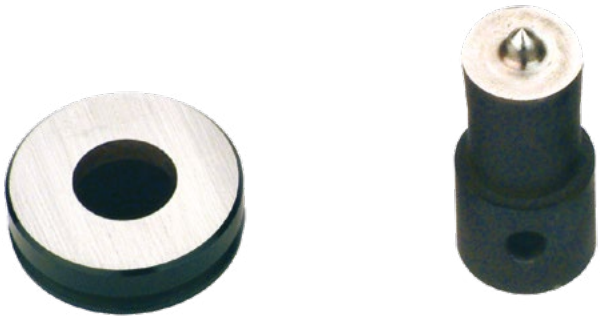
LSK120 - Hydraulic punching head

Designed to punch bus bars rails (dimensions up to 120 x 12mm) made of copper, aluminium or steel with tensile strength up to 470N/mm². The hydraulic punching head must be combined with a hydraulic pump (maximum pressure 700bar/70MPa).

Technical characteristics:
- Strong and compact structure
- "C" head for easy positioning of the power rails
- Easy insertion of inserts (die and punch)
- Also useable on mounted bus bars without disassembly
- Quick automatic-lock connection and undetachable dust cap
- Centrally punched holes in bars up to 120 mm wide
- Functional range for the following bars:

12 mm Cu/Al ..... max. Ø 21,0 mm
8 mm steel ..... max. Ø 21,0 mm
9 mm steel ..... max. Ø 19,5 mm
12 mm steel ..... max. Ø 14,0 mm
Punching force: ..... max. 218 kN
Operating pressure: 700bar (70MPa)

Description	Order No.	Dimensions	Weight
Hydraulic punching head	**LSK120**	234x174x88 mm	ca. 9,3 kg
Rigid case	**KKLSK120**	400x365x135 mm	ca. 1,8 kg



Description	Ø	Female die	Puncher
Round hole punch and female dies for solid rails	6,0 mm	**LSR06,0M**	**LSR06,0S**
	6,5 mm	**LSR06,5M**	**LSR06,5S**
	7,0 mm	**LSR07,0M**	**LSR07,0S**
	8,0 mm	**LSR08,0M**	**LSR08,0S**
	8,5 mm	**LSR08,5M**	**LSR08,5S**
	9,0 mm	**LSR09,0M**	**LSR09,0S**
	10,0 mm	**LSR10,0M**	**LSR10,0S**
	10,5 mm	**LSR10,5M**	**LSR10,5S**
	11,0 mm	**LSR11,0M**	**LSR11,0S**
	12,0 mm	**LSR12,0M**	**LSR12,0S**
	12,5 mm	**LSR12,5M**	**LSR12,5S**
	13,0 mm	**LSR13,0M**	**LSR13,0S**
	13,5 mm	**LSR13,5M**	**LSR13,5S**
	14,0 mm	**LSR14,0M**	**LSR14,0S**
	14,5 mm	**LSR14,5M**	**LSR14,5S**
	15,0 mm	**LSR15,0M**	**LSR15,0S**
	16,0 mm	**LSR16,0M**	**LSR16,0S**
	17,0 mm	**LSR17,0M**	**LSR17,0S**
	18,0 mm	**LSR18,0M**	**LSR18,0S**
	18,5 mm	**LSR18,5M**	**LSR18,5S**
	19,0 mm	**LSR19,0M**	**LSR19,0S**
	19,5 mm	**LSR19,5M**	**LSR19,5S**
	20,0 mm	**LSR20,0M**	**LSR20,0S**
	21,0 mm	**LSR21,0M**	**LSR21,0S**

HYDRAULIC PUMPS - OVERVIEW

Pump		Operation	Set equipment (pump + ...)
FPI70		Foot	• Metal case • Pressure gauge
FPI70S		Foot	• Flexible hose 3m • Metal case • Pressure gauge
FPI70 EC		Foot	• Metal case
FPI70S EC		Foot	• Flexible hose 3m • Metal case
CP700		Battery ↳ Main adapter available	• Battery and charger • Flexible hose 1,5 m • Remote control 1,5 m • USB-cable • Nylon bag with shoulder strap
CP700 EC		Battery ↳ Main adapter available	• Battery and charger • Flexible hose 1,5 m • Remote controle 1,5 m • USB-Cable • Nylon bag with shoulder strap
ANP24/220		Battery or Mains	• Remote controle 5 m • Power cord 3 m • Shoulder strap
NP220		Mains	• Remote control 5 m • Power cord 3 m
90404		Mains	• Remote control 5 m • Power cord 3 m
90418		Mains	• Remote control 5 m • Power cord 3 m
90415		Mains	• Remote control 5 m • Power cord 3 m
91421		Mains	• Remote control 5 m • Power cord 3 m

HYDRAULIC PUMPS

CP700 - Compact hydraulic pump with battery

Designed to operate hydraulic tools up to 700bar (70MPa).

Technical characteristics:
- Light, compact and robust structure
- Body made of polyamide reinforced with fibreglass, completely insulating and shock resistant
- Long lifetime due to a lifting magnet. First service after 20000 cycles
- Possibility of reading all the data of the working cycles and error indications through USB interface
- Double piston technology for rapid high pressure feed
- Individual programs for cutting and crimping
- Freely programmable pump (only model CP700)
- Anti-scratch and shock resistant display protection
- Possibility of reading the curves on PC and on the pump display (only model CP700)
- Operating pressure: 700 bar (70 MPa)
- High performance lithium ion battery 5,0 Ah
- Charge indicator on the battery
- Flow range at low pressures < 100 bar: 1.2 lit./min.
- Flow range at pressures up to 700 bar: 0.2 lit./min.
- Power: 200 W
- Battery voltage: 18,0 V DC
- Range of use: -20°C / +55°C (integrated cooling system)
- Remote control (1.5 m) two buttons and LED indicator
- Possibility to attach the remote control to the unit with the integrated magnet
- A belt or shoulder strap can be added through a clamp support
- Optional transportation bag with pockets, with a shoulder strap or attached to a belt (optional)
- Including software

Tool dimensions: 290 x 190 x 205 mm
Tool weight: 4,5 kg



CP700

100% MADE IN ITALY

Battery operated hydraulic pump

Order No.	Description	Tool weight
CP700	Battery operated hydraulic pump - set	4,5 kg
CP700EC	Battery operated hydraulic pump - set	4,5 kg



CP700EC

Battery operated hydraulic pump - set equipment:

- Compact hydraulic pump
- Battery 18 V/5,0 Ah lithium-ion (RA50)
- Battery charger (LG8)
- Flexible high pressure hose – length 1,5 m
- Remote control 1,5 m (CP-F)
- Shoulder strap (TG3)
- USB cable + software
- Comfortable sturdy nylon bag



FPI70



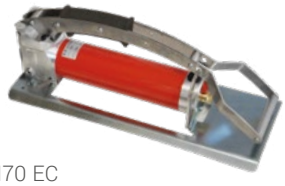
Pressure gauge and tilting coupling is standard on FPI70 and FPI70s models (not on models "-EC")



FPI70S



FPI70S EC



FPI70 EC
Hose must be ordered seperately



Set FPI70

FPI70 / FPI70-EC – Foot operated hydraulic pump

Designed to operate hydraulic tools up to 700bar (70MPa).

Technical characteristics:
- Compact dimensions
- Lightweight due to use of light alloys and corrosion-resistant materials
- Handy and stable due to a firm fitting pedal and sturdy non slip base
- Automatic two speed device (fast advancing under no-load and slow under load)
- Tilting system for coupler (not on models "-EC")
- Pressure monitoring by oil pressure gauge (not on models "-EC")
- Manual pressure release at any time
- High mounted quick release coupling with dust cap
- Operating pressure: 700 bar (70 MPa)
- Low pressure pump capacity: 18,3 cm³/stroke
- High pressure pump capacity: 2 cm³/stroke
- Amount of oil: 1200 ml
- Operating temperature: -20°C to a +40°C

Tool dimensions:
- FPI70: 570 x 230 x 209 mm
- FPI70S: 570 x 230 x 209 mm
- FPI70 EC: 545 x 212 x 198 mm
- FPI70S EC: 545 x 212 x 198 mm

Foot operated hydraulic pump with pressure gauge

Order No.	Description	Tool weight
FPI70	Foot operated hydraulic pump -set	9,6 kg
FPI70S	Foot operated hydraulic pump with 3 m hose - set	10,9 kg

Foot operated hydraulic pump (ECO)

Order No.	Description	Tool weight
FPI70 EC	Foot operated hydraulic pump - set	9,6 kg
FPI70S EC	Foot operated hydraulic pump with 3 m hose - set	10,3 kg

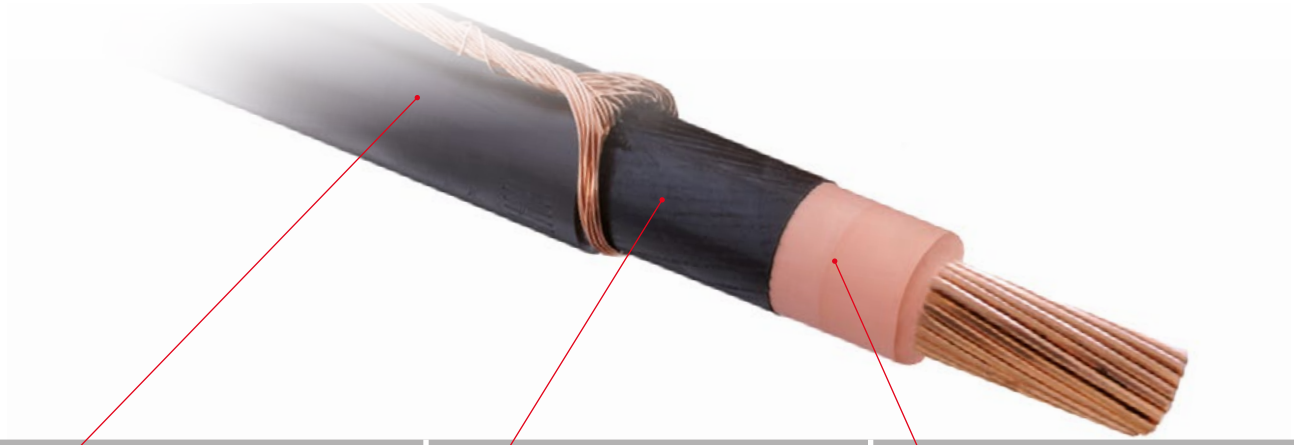
Set equipment FPI70:
- Foot operated pump with oil pressure gauge
- Metal case

Set equipment FPI70S:
- Foot operated pump with oil pressure gauge
- Flexible hose 3 m
- Metal case

Set equipment FPI70 EC:
- Foot operated pump
- Metal case

Set equipment FPI70S EC:
- Foot operated pump
- Flexible hose 3 m
- Metal case

STRIPPING TOOLS - OVERVIEW



STRIPPING TOOLS FOR EXTERNAL INSULATION



AB16 (0,03 - 16 mm²) | PTS4 (0,2 - 6 mm²) | AV8203 (6 - 16 mm²)

ABI1
(Ø 4,5 - 29 mm)



AMS / AMS 1000V
AV6220 / 17130
(Ø > 25 mm)

AMS MAXI
AV6240
(Ø > 45 mm)



AMX
17300
(Ø 16 - 54 mm)



AIS
17190
(Ø 16 - 54 mm)



FSI 150
17170
(16 - 150 mm²)



FSI
AE6200
(rigid, single 10 mm², flexi 2,5-4-6 mm²)



1609076
(Ø 20 - 76 mm)



STRIPPING TOOLS FOR SEMICONDUCTOR LAYERS

FBS
17220
(Ø 10 - 52 mm
vulcanized, bonded)

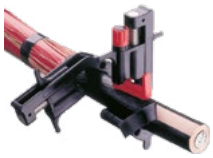


FBS II
(Ø 16 - 58 mm vulcanized)
17250 (17°)
17252 (8°)



HLS
AV6400
(Ø 16 - 41 mm peelable)

HLS MAXI
AV6460
(Ø 35 - 60 mm peelable)



STRIPPING TOOLS FOR PRIMARY INSULATION

IMS 20kV
AV6310
(25 - 240 mm²)



AV63300
(300 mm²),

AV63400
(400 mm²)



IMS II
17230
(Ø 15 - 52 mm)



UFS
17240
(Ø 15 - 60 mm)



IMS III
17260
(Ø15 - 58 mm)



Video playlist

ABI 1

THE CABLE JACKET REMOVER

for cables with diameter 4,5 - 29 mm

Precision

Cutting depth adjustable in steps of 0.1 mm up to 3 mm, thus no damage to the underlying layers of the cable

Versatile

Setting of round, longitudinal and spiral cuts

Efficency

Blade suitable for all types of cable insulation

Safety

The innovative design ensures an injury-free working



Handling & cleverness

No tilting due to axial pulling of the tool in the longitudinal direction;
Clever block system for avoiding the blade breakage due to misuse

Ergonomics

The optimally adapted shape of the tool enables fatigue-free working

Video ABI1

STRIPPING TOOLS / ORDER NO.	APPLICATION RANGE	INFO	LENGTH, WEIGHT
 PTS4	0,2 - 6 mm²	• For commercial flexible cables • With cutting function	170 mm, 0,2 kg
 AB16	0,03 - 16 mm²	• For commercial cables • With cutting function	210 mm, 0,35 kg spare blade set including the red angle plate: **EM16** spare blade for PTEE insulation 0,14 - 4 mm²: **EM16V**
 AV8203	6 - 16 mm²	• For any type of cables • Especially for shielded cables	170 mm, 0,12 kg
 ABI1	Video ABI1 diameter 4,5 - 29 mm	• For all common insulations • Round, longitudinal and spiral cuts • Cutting depth adjustable in steps of 0.1 mm up to 3 mm using the rotary knob (clockwise) • No damage on the underlying layer • Clever block system prevent the breakage of the blade due to misuse • Special sliding properties ensures the resistance-free work • Hardened special blade	140 mm, 0,15 kg spare blade: **EM1**
 AV8270	1,5 - 10 mm²	• For common photovoltaic cables • With cutting function up to Ø 3 mm • Optical length measurement up to 26 mm	215 mm, 0,45 kg

intercable TOOLS

STRIPPING TOOLS

STRIPPING TOOLS / ORDER NO.	APPLICATION RANGE	INFO	LENGTH, WEIGHT
 AV3801	diameter 8 - 28 mm	**Cable knife** • For all common round cables	135 mm, 0,09 kg spare blade: AV3899
 AV3820	diameter 4 - 28 mm	**Cable knife with hook blade** • For all common round cables • With adjustable cutting depth	145 mm, 0,07 kg
 AV3825	diameter 4 - 28 mm fix stripping spots for: 0,5 - 6 mm²	**Cable knife with fix strippers** • For all common round cables • With adjustable cutting depth • With fix stripping spots	145 mm, 0,07 kg
 AV8230	diameter 8 - 13 mm fix stripping spots for: 0,5 - 6 mm²	**Cable knife MULTI** • For all common round cables • With fix stripping inserts • With cutting function	125 mm, 0,08 kg
 AV8240	diameter 8 - 13 mm	**Quadro stripping tool with hook blade** • For all common round cables • Integrated stripping area • Quick longitudinal cut with optimal cable routing • Retractable hook blade, can be locked	125 mm, 0,08 kg

Check out our knives, see page 28!





	STRIPPING TOOLS FOR REMOVING THE CABLE SHEATS	ORDER NO. / INFO
FSI		AE6200 FSI set for flexible single pole cables: 2,5 - 4 - 6 mm² for rigid single pole: 10 mm² • 20 mm stripping length • In this set: stripping tool, easy bag; 0,15 kg 1000V IEC 60900
AMS	 Video AMS	AV6220 AMS set for LV and MV cable sheats / PVC, RUBBER Insulation thickness: 0 - 5 mm / Cable Ø > 25 mm • Longitudinal and circular cuts • Designed to strip ends and or middle parts • Stripping without hurting the lower layers • Interchangeable two-sided blade / Spare blade Order No.: AV6299 • In this set: stripping tool, plastic case; 0,2 kg Tool versions: AMS 1000V / 17130: for working on live parts up to 1000V AC und 1500V DC AMS MAXI / AV6240: for HV and PE insulated cables too, Ø > 45 mm
AMX	 Video AMX	17300 AMX set for LV and MV cable sheats / PVC, PE, PE with bonded Al Insulation thickness: 0 - 5 mm / Cable Ø 16 - 54 mm • Longitudinal and circular cuts • Additional claw to break hard insulation • The cutting depth is adjustable in steps of 0,1 mm • Functions to make the work very precise and clean at ease • In this set: basic tool 17300, feed lever 17094, allen-key, easy bag; 1,3 kg • Spare blade Order No.: 17301
AIS	 	17190 AIS set for LV/MV cable sheats / PVC, PE, PE with bonded Al Insulation thickness: 0 - 5 mm / Cable Ø 16 - 54 mm • Longitudinal and circular cuts • Designed to strip ends or middle parts • Hooked blade for removing the sheath that has been cut • 100° tool rotation makes a complete 360° circumference cut • In this set: basic tool 17196, feed lever 17094, 10x14 pcs colored washers, 2 blade-fasten screws in spare, allen-key, rigid resin case; 2 kg • Spare blade Order No.: 17195 1000V IEC 60900
FSI 150	 	17170 FSI 150 set for insulated overhead cables with double insulation with pre-set stripping heads 6 - 150 mm² • Stripping depth adjustment built inside the handle • Insulated handle with bayonet connection • Stripping length adjustable from 20 to 80 mm • Scale marked on the built-in device to display the preset length • Interchangeable blades in the stripping heads • In this set: handle 17171, 6x stripping heads, 3x spare blades, allen-key, rigid resin case; 0,95 kg • Spare blade Order No.: 17179 1000V IEC 60900

FBS II

CABLE STRIPPER FOR VULCANIZED SEMICONDUCTIVE LAYER USABLE WITHOUT SILICON

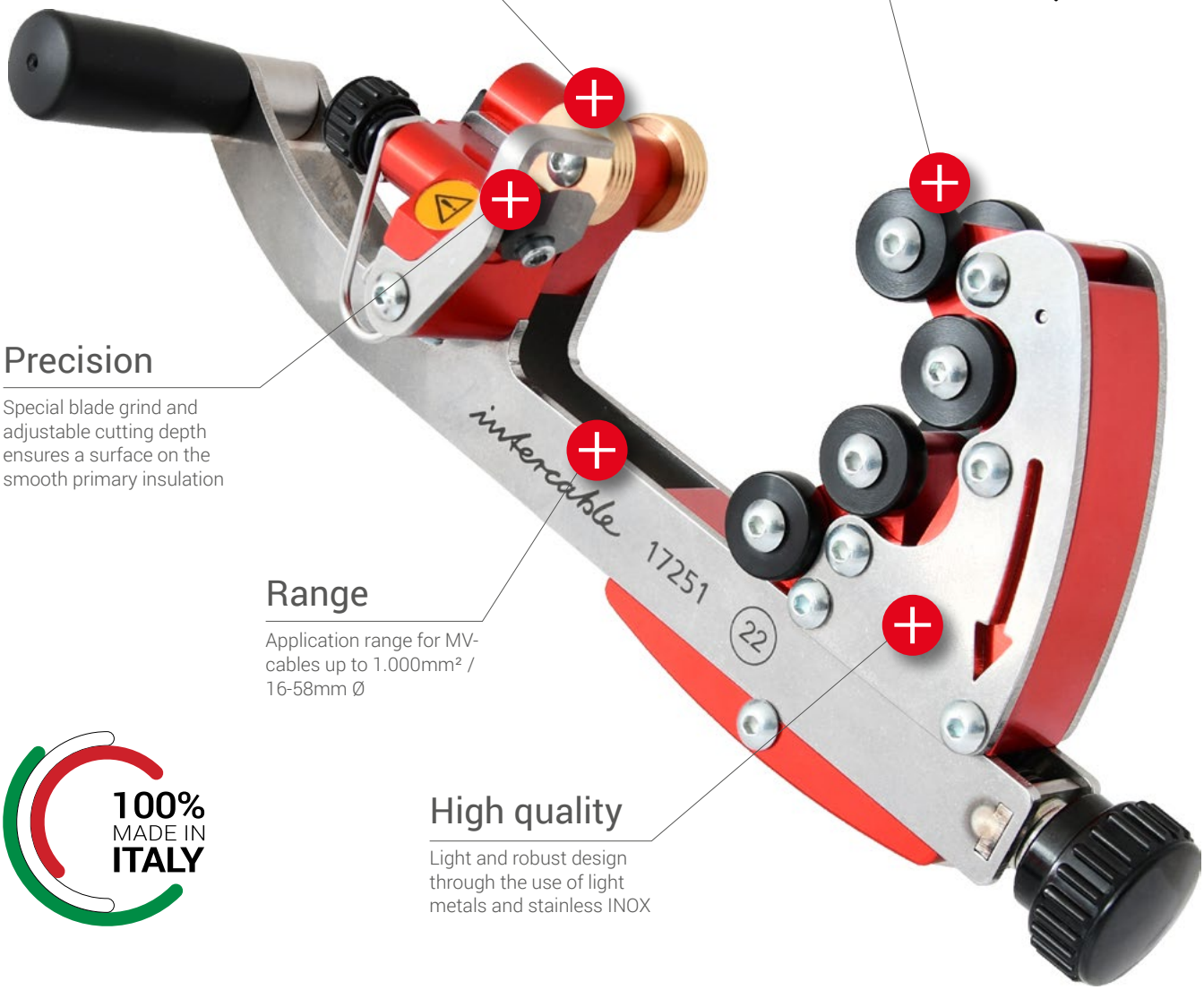
Handling

Shift lever for activation/ deactivation of the axial feed enables an optimal guidance and precise circular cut

Agility

Movable roller system adapts optimally to small and large diameters, no silicon required

Video FBS II



Precision

Special blade grind and adjustable cutting depth ensures a surface on the smooth primary insulation

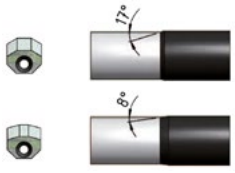
Range

Application range for MV-cables up to 1.000mm² / 16-58mm Ø

100% MADE IN ITALY

High quality

Light and robust design through the use of light metals and stainless INOX



STRIPPING TOOLS FOR THE SEMICONDUCTIVE LAYERS	ORDER NO. / INFO
FBS	17220 FBS set for vulcanized, extruded, bonded semiconductive layer Insulation thickness: 0 - 5 mm / Cable Ø 10 - 52 mm • Axial feed activation/deactivation device (usable in both directions) • Stripping can be done starting from any position on the cable • Optimal sliding properties thanks to coated contact surface • Cutting depth adjustable from 0 to 1.5 mm • Cutting depth can be limited or blocked • Interchangeable blade • In this set: stripping tool 17221, allen-key, a tube of silicon grease AG1013, rigid resin case; 0,8 kg • Spare blade (17°) Order No.: 17142 • Spare parts kit (2x plates, 1x roll, screws) Order No.: 17145
FBS II	17250 FBS II set for vulcanized, extruded, bonded semiconductive layer Insulation thickness: 0 - 5 mm / Cable Ø 16 - 58 mm IT WORKS SMOOTHLY WITHOUT SILICON GREASE • Axial feed activation/deactivation device (usable in both directions) • Stripping can be done starting from any position on the cable • Optimal sliding properties thanks to coated contact surface • Cutting depth adjustable from 0 to 1.5 mm • Cutting depth can be limited or blocked • Interchangeable blade • In this set: stripping tool 17251, allen-key, easy bag; 1 kg • Spare blade (17°) Order No.: 17142
HLS	AV6400 HLS set for non vulcanized, peelable semiconductive layer Insulation thickness: 0 - 2 mm / Cable Ø 16 - 41 mm • Longitudinal, helical and circular cuts • Stop clamp to limit the stripping length • Gradually depth adjustment • The incision depth can be adjusted from 0 to 0,9 mm with 0,1 mm steps each by turning the corresponding knob • The start of longitudinal incision can be done in exact correspondence with the circumferential incision • In this set: stripping tool AV6410, stop clamp AV6411, a tube of silicon grease AG1013, rigid resin case; 0,6 kg Tool version: HLS MAXI / AV6460: for peelable layer of cables Ø 35 - 60 mm

Video FBS

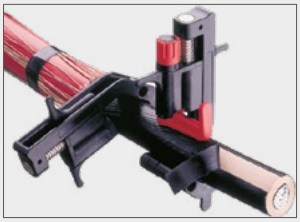




Video FBS II









IMS III

CABLE STRIPPER FOR PRIMARY INSULATIONS FOR MV/HV CABLES WITHOUT SILICON

100% MADE IN ITALY

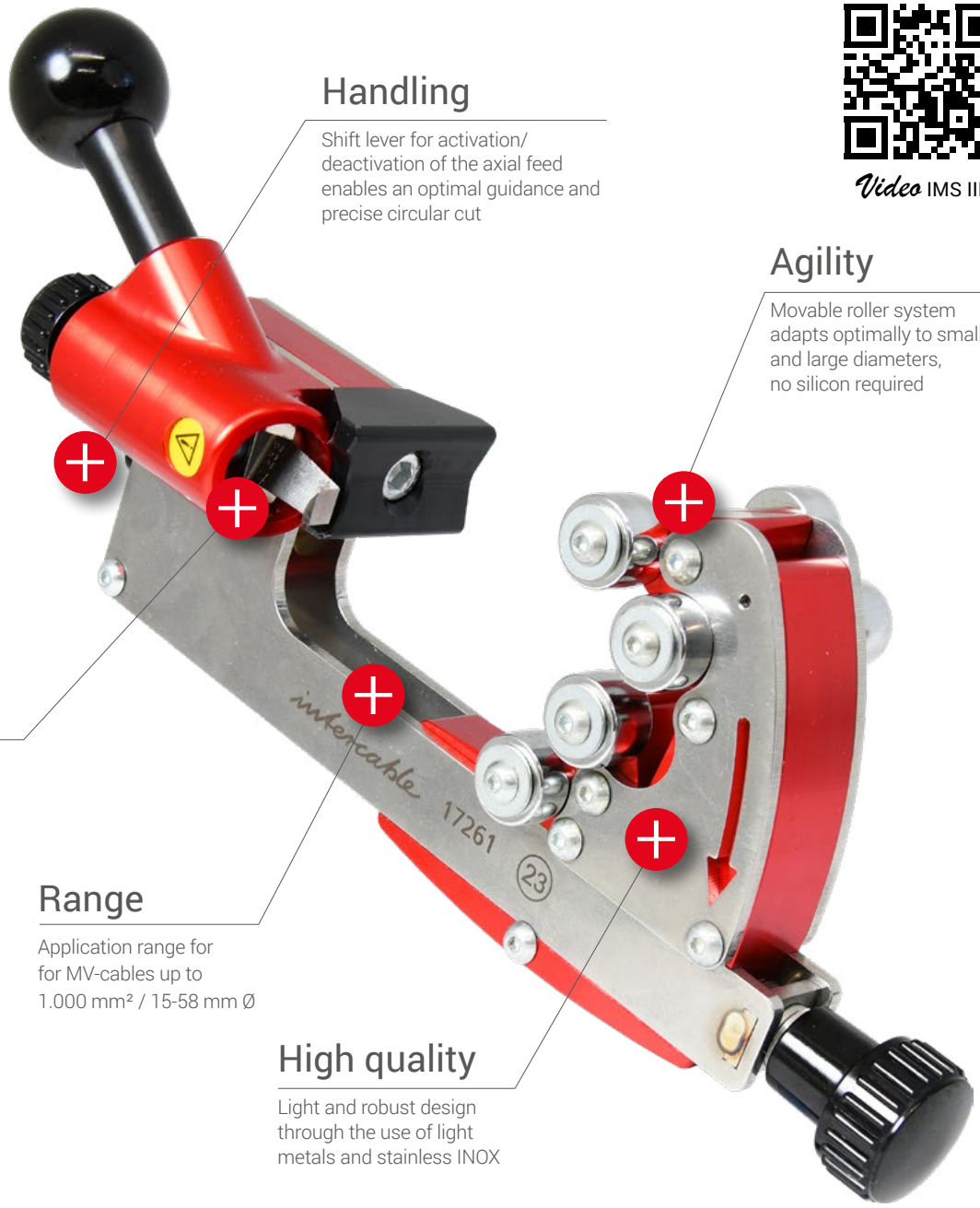
Video IMS III

Handling

Shift lever for activation/ deactivation of the axial feed enables an optimal guidance and precise circular cut

Agility

Movable roller system adapts optimally to small and large diameters, no silicon required



Precision

Special blade grind and adjustable cutting depth ensures no damage on the conductor.

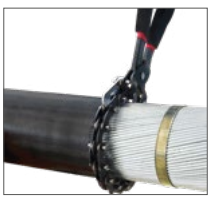
Range

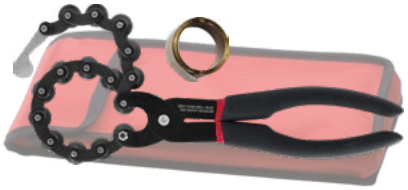
Application range for for MV-cables up to 1.000 mm² / 15-58 mm Ø

High quality

Light and robust design through the use of light metals and stainless INOX

	STRIPPING TOOLS FOR REMOVING THE PRIMARY INSULATION	ORDER NO. / INFO
IMS	 	AV6310 IMS 20 kV set for any type of primary insulations of MV cables with pre-adjusted stripping heads 25 - 240 mm² • Stripping length adjustable from 20 to 100 mm using the device integrated in the handle • Scale marked on the handle for preset stripping length • Handle with bayonet connection • Interchangeable blade • In this set: stripping tool AV6300, 9x stripping heads 25 - 240 mm2, rigid resin case; 0,6 kg
IMS II	 Video IMS II 	17230 IMS II set for any type of primary insulations of MV cables Insulation thickness: 0 - 15 mm / Cable Ø 15 - 52 mm • Spiral and circular cuts , depth adjustable from 0 to 15 mm • Optimal sliding properties thanks to coated contact surface • Feed can be selected in 5 stages with unlimited stripping length • In this set: stripping tool 17231, allen-key, a tube of silicon grease AG1013, rigid resin case; 1 kg • Spare blade Order No.: 17132 • Spare parts kit (2x plates, 1x roll, screws) Order No.: 17135
IMS III	 Video IMS III 	17260 IMS III set for any type of primary insulations of MV cables Insulation thickness: 0 - 15 mm / Cable Ø 15 - 58 mm IT WORKS SMOOTHLY WITHOUT SILICON GREASE • Spiral and circular cuts , depth adjustable from 0 to 15 mm • Optimal sliding properties thanks to coated contact surface • Feed can be selected in 2 stages with unlimited stripping length • In this set: stripping tool 17261, allen-key, easy bag; 1,1 kg • Spare blade Order No.: 17132
UFS	 Video UFS 	17240 UFS set for chamfering any type of primary insulations of MV cables Cable Ø 15 - 60 mm • Chamfering with blades 2 x 45° • Optimal sliding properties thanks to coated contact surface • In this set: chamfering tool 17241, allen-key, easy bag; 0,39 kg • Spare blade Order No.: 17242





1609076

Roller chains cutter for cutting armour wires

Order No.	Description	Weight
1609076	Set: Roller chains cutter	0,8 kg

APPLICATION RANGE	Ø 20 - 76 mm
SUGGESTED APPLICATION	Armoured cables

intercable TOOLS

STRIPPING TOOLS

		MULTI TOOL SET ORDER NO.:	1799001	1799002	1799004	1799016 working without silicon
FOR REMOVING THE CABLE SHEATS	AMS			✓	✓	✓
	AIS		✓			
	AMX				✓	✓
FOR SEMICONDUCTIVE LAYERS	FBS		✓	✓	✓	
	FBS II WORKING WITHOUT SILICON					✓
FOR REMOVING THE PRIMARY INSULATION	IMS II		✓	✓	✓	
	IMS III WORKING WITHOUT SILICON					✓
FOR CHAMFERING THE PRIMARY INSULATION	UFS				✓	✓
			 including silicon	 including silicon, knife, scissors	 including silicon	 no need of silicon

Check out more multi tool sets!





Tool kit for cable jointers - 12/20kV/MS cable

Order No.: AG2020

including:

- Case AG2000
- 1/20 sliding caliper 150 mm AG1001
- Measuring rod 3 m 7406030
- Steel brush for files AG1014
- Rasp without handle AG1005
- Half round file with handle AG1004
- Screwdriver slotted screws 3x100 mm FII 1301030
- Screwdriver slotted screws 4x100 mm FII 1301040
- Screwdriver slotted screws 5x125 mm FII 1301055
- Ball-point screwdriver hex socket 6 mm FII 1305060
- Mallet 300 g 7130582
- Mallet Ø 35 mm AG1010
- Sheath spreader AG1011
- Special electricians' scissors 16011
- Cable knife with interch. blade. AV3920
- Spare blade for AV3920 ..... AV3921
- Knife with trapezoidal blade AV3910
- 3 spare blades for AV3910 ..... AV3911
- High precision lens with light AG1012
- Universal pliers 180 mm ..... AP0119 N
- Cable cutter 160 mm AP1017
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0



Cable cleaning liquid and wipes

Description	Dimensions	Content	Order No.
Liquid cleaner	135 x 100 x 220 mm	2 l	AV4901
Wipes	500 x 380 mm	50 pcs	AV4902

Cleaning liquid:

- Low boiling point: 42°C
- Excellent solubility with water up to 33%
- Non-flammable
- Non-toxic and biodegradable
- According to CEE Directive 91/155 of March 5, 1991

Wipes:

- To be used in combination with the cable cleaneing liquid
- Special lint-free fabric
- Antistatic

GENERAL HAND TOOLS - PLIERS

1000V IEC 60900

ISO 5746
UNI 9894
VDE 0682–201

100% MADE IN ITALY

Slim

Easier working in hard-to-reach workareas

Wear-resistant

Made of high-alloyed tool steel, edges specially hardened, surface chrome-plated

Smooth

One-hand operation through special smooth joint

Powerful

Extra long cutting edges for large cable cross-sections, suitable for cutting soft and hard wire, as well as piano wire

Ergonomic

Ergonomically shaped, non-slip 2-component handles for maximum power transmission

Environmentally friendly

Skin-friendly, special plastic material free of cadmium and heavy metals



Combination pliers



1000V IEC 60900

Order No.	Length	Weight
1201160	160 mm	218 g
1201180	180 mm	250 g
1201200	200 mm	282 g

Flat-nosed pliers



1000V IEC 60900

Order No.	Length	Weight
1206160	160 mm	170 g

Telephone pliers, straight



1000V IEC 60900

Order No.	Length	Weight
1203160	160 mm	170 g
1203200	200 mm	208 g

Telephone pliers, bent 45°



1000V IEC 60900

Order No.	Length	Weight
1204160	160 mm	164 g
1204200	200 mm	206 g

Round-nosed pliers



Order No.	Length	Weight
1207160	160 mm	154 g

Side cutting pliers



Order No.	Length	Weight
1202160	160 mm	198 g

Stripping plier



Order No.	Length	Weight
1205160	160 mm	190 g

Water-pump pliers, 7 phases



Order No.	Length	Weight
1110250	240 mm	398 g

Gripping pliers ISOplus insulated 2K



Order No.	Length	Weight
11091	180 mm	140 g

- gripping surface with 8 identations for various cable diameters
- no exposed metal parts, no blades

Combination pliers ISOplus insulated 2K



Order No.	Length	Weight
11092	190 mm	147 g

- for Cu and Al cables with maximum 16 mm², with extra long blades
- gripping surface with 3 identations for various cable diameters

Telephone pliers ISOplus insulated 2K



Order No.	Length	Weight
11095	200 mm	138 g

- toothed gripping surface, slim head
- no exposed metal parts

Cable cutting pliers ISOplus insulated 2K D15



Order No.	Length	Weight
11094	170 mm	150 g

- for Cu and Al cables with maximum 50 mm²

GENERAL HAND TOOLS - CUTTERS, KNIVES, SCISSORS

Cable cutting VDE D17



Order No.	Length	Weight
1604160	160 mm	220 g

- for Al / Cu cables up to D 17 mm, ~ 50 mm² fine stranded cables

Cable cutting VDE D22



Order No.	Length	Weight
1604200	200 mm	360 g

- for Al / Cu cables up to D 22 mm, ~ 70 mm² fine stranded cables

Cable knife / standard



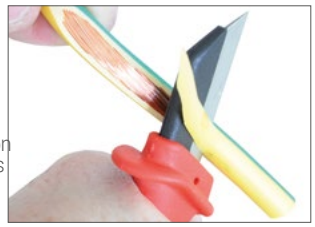
- 1000V insulated tool
- With replaceable standard very sharp blade (thickness 0,65 mm)
- Made of shock-proof material

Description	Order No.	Blade	Length
Cable knife / standard	AV3910	interch. 50 mm	185 mm
Spare blade / standard	AV3911	-	50 mm

Cable knife / special steel



- 1000V insulated tool
- With replaceable special shaped stripping blade - that cuts the insulation without damaging the conductor wires
- Made of shock-proof material



Description	Order No.	Blade	Length
Cable knife / special steel	AV3920	interch. 50 mm	185 mm
Spare blade / special steel	AV3921	-	50 mm
Cable knife / special ceramic	AV3930	fixed 46 mm	185 mm



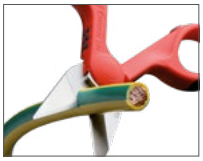
Electricians' scissors for cutting, stripping and crimping on cables - F1 style

Description	Order No.	Length
F1 Electricians' scissors 3 in 1 with safety box	16020-F1	160 mm

- To cut Cu/Al cables up to 50 mm²
- With slot to crimp insulated or non insulated end-sleeves from 0,5 to 4 mm²
- Blades with optimized teeth
- High cutting performance
- Loose-free screw/pin hinge
- 2 component handle

Attention: Not suitable for work under voltage!





it cuts Cu/Al cables up to 50 mm²



special hard blade designed for cable cutting and stripping



adjustable tightness of the blades



it crimps end-sleeves up to 4 mm²

Product page and demo *Video*

THE QUALITY AND THE UNIQUE INTERCABLE DESIGN

slim

These series of SLIM screwdrivers are the result of extensive studies performed in cooperation with numerous electrical installers

Standard:
VDE 0682 / 201

1000V IEC 60900

SLIM

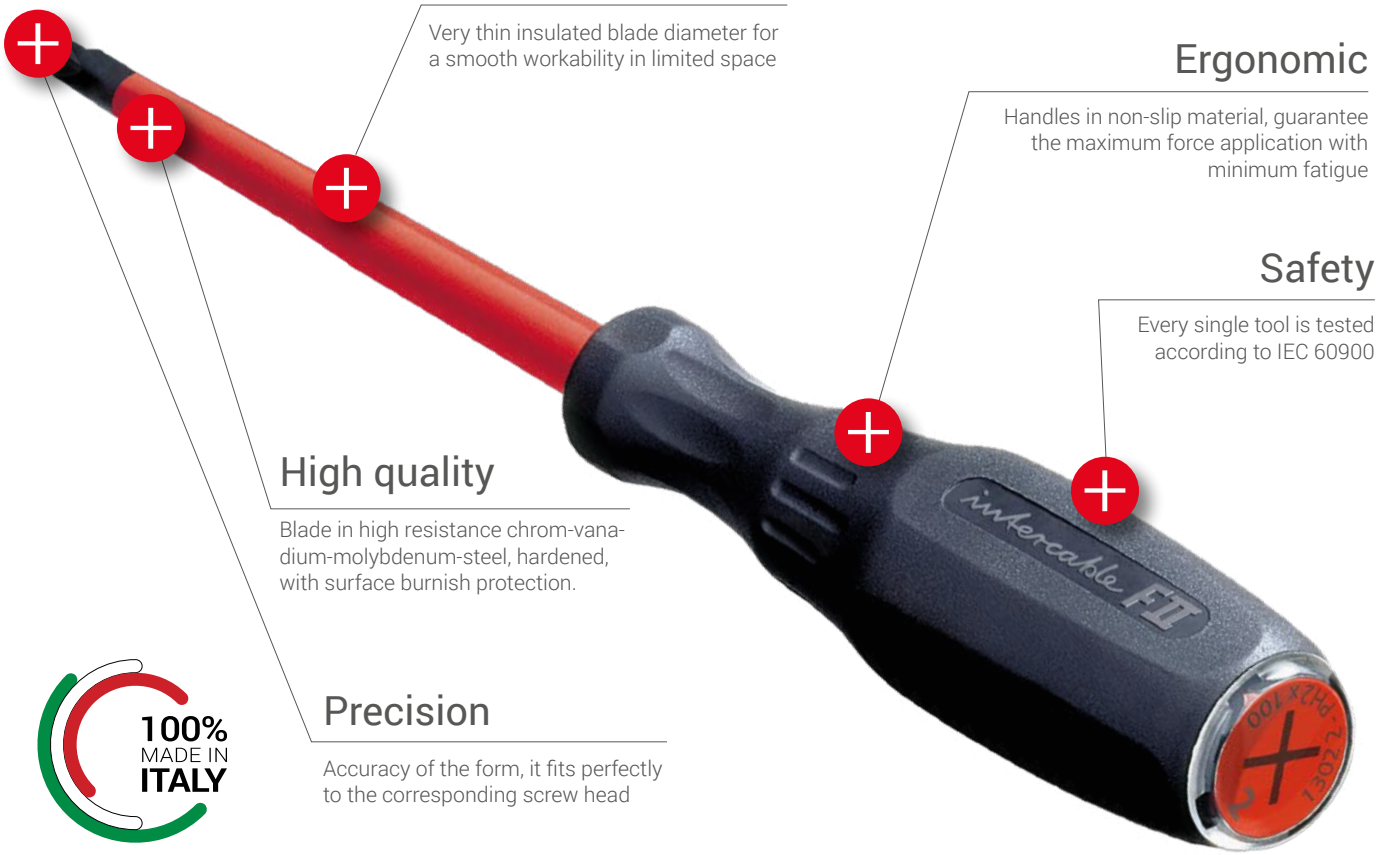
Very thin insulated blade diameter for a smooth workability in limited space

Ergonomic

Handles in non-slip material, guarantee the maximum force application with minimum fatigue

Safety

Every single tool is tested according to IEC 60900



High quality

Blade in high resistance chrom-vanadium-molybdenum-steel, hardened, with surface burnish protection.

100% MADE IN ITALY

Precision

Accuracy of the form, it fits perfectly to the corresponding screw head

Identification lens for an easy choice of the proper screwdriver
Color codification:



For slotted head screws
yellow



For "Phillips"-head screws
red



For "Pozidriv"-head screws
green



For hex socked-head screws
white



For hex-head screws
violet



For TORX® head screws
blue



For combinated"Phillips"-head screws
red / yellow



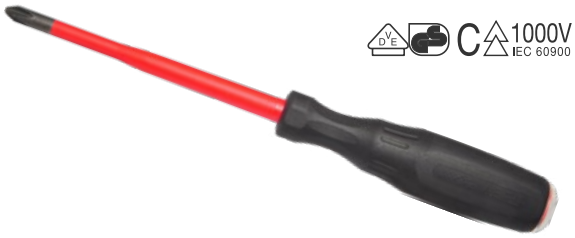
For combinated "Pozidriv"-head screws
green / yellow

TORX® registered trademark of CAMCAR TEXTRON, Rockford, Illinois, USA



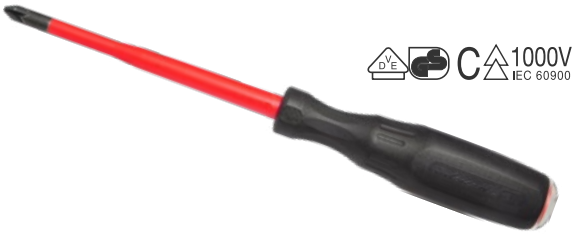
Screwdriver for slotted head screws – FUTUR II

Type	Order No.	mm	mm	mm	mm
	1301025	2,5	75	0,4	175
	1301030	3,0	100	0,5	200
	1301035 *	3,5	100	0,6	200
	1301040 *	4,0	100	0,8	200
	1301045 *	4,5	125	1,0	230
	1301055 *	5,5	125	1,0	230
	1301065 *	6,5	150	1,2	255
	1301080	8,0	175	1,2	290
	1301100	10,0	200	1,6	320



Screwdriver for “Phillips” screws – FUTUR II

Type	Order No.	mm	mm	mm
	13020	0	60	160
	13021 *	1	75	175
	13022 *	2	100	205
	13023	3	150	265
	13024	4	200	320



Screwdriver for “Pozidriv” screws – FUTUR II

Type	Order No.	mm	mm	mm
	13030	0	60	160
	13031 *	1	75	175
	13032 *	2	100	205
	13033	3	150	265



Combination screwdriver “Phillips” – FUTUR II

• For combined Slotted-/Intersecting slot screws in electrical systems

Type	Order No.	mm	mm	mm
	13131 *	1	80	180
	13132 *	2	100	205



Combination screwdriver “Pozidriv” – FUTUR II

• For combined Slotted-/Intersecting slot screws in electrical systems

Type	Order No.	mm	mm	mm
	13141 *	1	80	175
	13142 *	2	105	205

slim * SLIM types



Screwdriver for hexagon socket screws – FUTUR II

Type	Order No.	mm	mm	mm
3	1304025	2,5	75	175
	1304030	3	75	180
	1304040	4	75	180
	1304050	5	75	190
	1304060	6	100	215
	1304080	8	100	220



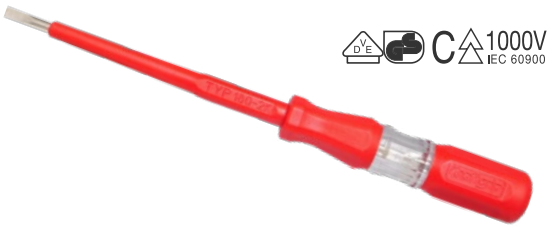
Screwdriver for hexagon screws – FUTUR II

Type	Order No.	mm	mm	mm
7	1306040	4	125	225
	1306050	5	125	225
	1306055	5,5	125	225
	1306060	6	125	230
	1306070	7	125	230
	1306080	8	125	230
	1306090	9	125	230
	1306100	10	125	240
	1306110	11	125	240
	1306120	12	125	240
	1306130	13	125	240



TORX® Screwdriver – FUTUR II

Type	Order No.	mm	mm	mm
20	1307010	10	60	160
	1307015	15	75	175
	1307020	20	75	180
	1307025	25	75	180
	1307030	30	100	215



Phase screwdriver

Order No.	mm	mm	mm
AV6104	3,0	65	140
AV6105	3,5	105	190



Screwdrivers included in set	Order No.
Slot 4,, Slot 5,5, PH1, PH2	1399001
Slot 3, Slot 4, Slot 5,5, Slot 6,5	1399002
PH0, PH1, PH2	1399003
PZ0, PZ1, PZ2	1399004
PH1, PH2	1399005
PZ1, PZ2	1399006

TOOL CASES



















Check out our tool cases!



Universal cabinet key in pocket format

- Designed to use in opening and closing electric panels and the most common systems of closure
- Suitable for all common electrical panels and cabinets
- Five different key profiles
- The magnetic attachment gives the possibility to use the key with any type of bit

Order No.	Additional bit		Standard bits			
QUATTRO		11,5 x 6 mm Triangular key				
QUATTRO-D		10 x 7,4 x 2 mm Square key				
QUATTRO-S		10 x 7 mm Daimler Benz key				
			10 x 6,5 mm 6.3 Bit magnetic attachment	14 x 8 mm Square key insert	14 x 9 mm Triangular key insert	14 x 9 x 2 mm 2 x 14 key Insert



Hexagon key set - 9 pcs:	Order No.
1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10	**7110592**



Hexagon key set, folding - 7 pcs:	Order No.
2,5 - 3 - 4 - 5 - 6 - 8 - 10	**7401002**



Allen key set (ball head), folding - 7 pcs:	Order No.
2,5 - 3 - 4 - 5 - 6 - 8 - 10	**7401202**



Torx key set, folding - 8 pcs:	Order No.
9 - 10 - 15 - 20 - 25 - 27 - 30 - 40	**7409002**





Cable duct cutter with inserts

Description	Cutting length	Weight	Order No.
Cable duct cutter	max. 57 mm	0,75 kg	16260

- Multi-purpose scissors for precise cutting work
- For plastic, rubber, wooden profiles
- With 5 interchangeable cutting inserts:
  - resin insert for straight cuts
  - resin insert for 45 - 120° cuts
  - aluminium insert for 90° profiles
  - aluminium insert for 16 - 19 mm tubes
  - aluminium insert for 25 mm tubes



Tape measure

Description	Length	Height	Order No.
Tape measure	3 mm	16 mm	7406030
	5 mm	19 mm	7406050
	8 mm	25 mm	7406080

- Accuracy class 2
- Unbreakable ABS case





Ultralight handy metal sawframe

Length	Order No.
300 mm	7120600
spare blade for metal HSS	7120610

- Ergonomical structural shape
- 2 component plastic handle, glass fiber reinforced
- Integrated clamping key and integrated blade magazine





Set - EnerGrip cable puller

Equipment	Order No.
4 EnerGrip (AV8902)	**AS8902**

- Cable puller with excellent grip (Ø 3-12 mm)





IQ-CAP - for cable pulling

Description	Order No.
IQ-CAP	**IQ-CAP**

Including:
- 1 x CAP black: length: 24 mm / Ø 11 mm: max. 6 x 1,5 mm²
- 1 x CAP red: length: 24 mm / Ø 13 mm: max. 5 x 2,5 mm²



Lubricant for cables 1 l

Description	Order No.
Liquid	7142160
Gel	7142161





Integrated mini torch

AC-tive Finder

Description	Length	Order No.
AC-tive Finder	158 mm	**AM0204**

- Phase conductor identification
- The ZOOM function increases sensitivity (from 24 to 1000 VAC), to follow lines even at great depth
- For finding breaks in wires and cables
- When voltage is present, the tip lights up and an acoustic signal is emitted



1000V IEC 60900

EN 60903 / IEC 903
VDE 0682 part 311

Insulated electrical safety gloves

Description	Order No.	Operating Voltage	Test Voltage	Thickness	Size
Safety gloves class 00	AV4711 AV4712 AV4713 AV4714	500 V	2.500 V	0,5 mm	8 9 10 11
Safety gloves class 0	AV4720 AV4721 AV4722 AV4723	1.000 V	5.000 V	1 mm	8 9 10 11
Safety gloves class 1	AV4731 AV4732 AV4733	7.500 V	10.000 V	1,35 mm	9 10 11
Safety gloves class 2	AV4741 AV4742	17.000 V	20.000 V	2 mm	9 10
Safety gloves class 3	AV4750 AV4751	26.500 V	30.000 V	2,6 mm	9 10

- Tested and produced according to EN 60903 / IEC 903, VDE 0682 p. 311
- For work on live MV/LV parts
- Material: natural latex
- Length: 360mm
- Smooth inside/outside
- Color: beige



EN 60903:2003 - IEC 60903:2014
IEC 61482-1-2,1//7
CE 0333
EN 388
Categoria RC

3-in-1 insulating gloves, with mechanical protection and electric arc resistance 7 kA and 4 kA

Description	Order No.	Operating Voltage	Size
Gloves class 0	AV4701	1000V - 7kA	8
Gloves class 0	AV4702		9
Gloves class 0	AV4703		10

- For work in installations where electric arcs may arise
- Resistance to electric arc of 7kA/0.5 seconds - / CEI EN 61482-1-2 / cl. II
- Suitable for live work up to 1000 V - standard CEI EN 60903 / class 0
- Excellent sense of touch thanks to the special structure on the palm
- Excellent shape of correspondence
- Mechanical protection
- Material: natural rubber
- Length 410 mm
- Colour: orange



EN 60903:2003 - IEC 60903:2014
IEC 61482-1-2,1//7
CE 0333
EN 388
Categoria AZC

ULTRA TOUCH

Description	Order No.	Operating Voltage	Size
Gloves class 0	AV4706	1000V - 4kA	8
Gloves class 0	AV4707		9
Gloves class 0	AV4708		10

- For work in installations where electric arcs may arise
- 4kA electric arc resistance - IEC EN 61482-1-2 / class I
- Suitable for live work up to 1000 V - IEC EN 60903 / class 0
- Excellent sense of touch thanks to the special structure on the palm
- Excellent shape correspondence
- Special surface structure, anti-slip
- Mechanical protection
- Material: natural rubber
- Length 360 mm
- Colour: orange



EN 420
EN 388

Protective overgloves

Description	Order No.	Size	Weight
Protective gloves	AV4771	9	200 g
Protective gloves	AV4772	10	200 g
Protective gloves	AV4773	11	200 g

- Tested and produced according to EN 420 / EN 388
- Overglove to protect the insulating glove
- Material: water-repellent silicone-treated grain leather



Pump for testing insulated gloves

Description	Order No.	Dimensions	Weight
Pump	631800	140 x Ø -130 mm	800 g

- To inflate insulating gloves and check for any leaks.
- Material: thermoplastic resin, light alloy, anti-oxidation metal and other equivalent material.



Safety helmet with built-in visor for electricians

Description	Order No.	Color	Weight
Safety helmet	AV9303W	white	740 g
Safety helmet	AV9303R	red	740 g

- Protective helmet with integrated visor for live work on LV systems
- Material: shell: polyethylene visor: scratch-resistant polycarbonate
- DIN EN 397 - UNI 7154 - VDE 0680-1
- Adjustable harness from 52 to 66 (rack) chin strap with Velcro fastening
- Integrated and retractable visor in the shell, colourless
- Thickness 1.2 mm
- Protection against electric arc
- Suitable for live work



1000V IEC 60900

VDE 0680

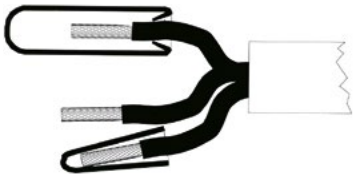
Insulating safety caps

Description	Order No.	Ø	Length
Insulating caps	AV4094	8 - 13 mm	60mm
	AV4095	13 - 20 mm	80mm

- Tested and produced according to VDE 0680
- To protect rigid cables
- Material: rigid thermoplastic resin
- Color: red



Slip over side with grip



1000V IEC 60900

VDE 0680

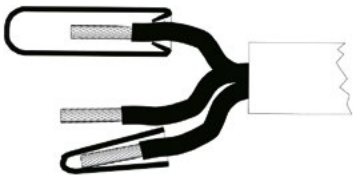
Push on cover with grip

Order No.	Length	Opening	Suitable for cable mm²	Weight
646004	40 mm	10 mm	1 - 25	4 g
646006	60 mm	10 mm	6 - 35	14 g
646010	100 mm	10 mm	6 - 35	21 g
646015	100 mm	15 mm	10 - 50	31 g
646020	110 mm	20 mm	35 - 95	40 g
646030	130 mm	30 mm	95 - 185	70 g
646040	150 mm	40 mm	185 - 240	135 g
646050	185 mm	50 mm	240 - 400	140 g
646060	185 mm	60 mm	240 - 500	220 g
646070	210 mm	70 mm	300 - 500	300 g
646090	255 mm	90 mm	- 630	550 g
646120	240 mm	120 mm	- 800	700 g

- Tested and produced according to VDE 0680
- For temporary insulation of the ends of live LV single-pole cables
- Also suitable for protecting cables with cable terminals
- Material: flexible thermoplastic resin
- Color: red



Slip over side without grip



1000V IEC 60900

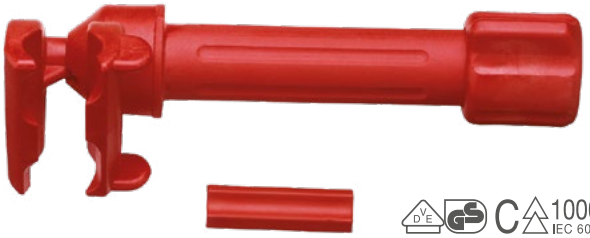
VDE 0680

Push on cover conical

Order No.	Length	Opening	Suitable for cable mm²	Weight
647030	30 mm	10 mm	10 - 25	10 g
645006	50 mm	10 mm	10 - 25	10 g
647010	60 mm	10 mm	6 - 25	15 g
645000	100 mm	10 mm	10 - 35	7 g
645001	100 mm	20 mm	120 - 150	19 g

Transparent conical puch on covers available on request

- Tested and produced according to VDE 0680
- For temporary insulation of the ends of live LV single-pole cables
- Also suitable for protecting cables with cable terminals
- Material: flexible thermoplastic resin
- Color: red







Holding device for mechanical screw-connectors

Description	Dimensions	Weight	Order No.
Holding device	195 x 65 x 64 mm	0,35 kg	22013

Suitable for excellent holding when screwing the connectors with a diameter of 14 to 40 mm.

- Suitable for live work up to 1000V AC and 1500V DC
- Clamp fastening system
- Can be used for insulated and non-insulated connectors
- Insulation according to CEI / EN 60900:2004
- Suitable for use at very low temperatures up to -40°C

Including:
- Holding device – 22013
- Diameter reducer insert



Torque amplifier set for screw-connectors

Suitable for the controlled tightening of breakaway screws on the mechanical screw-connectors, using any standard screwing machine.

- Simple and precise product handling
- Gentle closing of bolts, without forcing and stressing the material, via torque amplifier system.
- Transmission ratio 1:24
- Load capacity up to 65 Nm
- Triangle attachment for standard chucks min. Ø 14 mm
- Tool dimensions: 199 mm x 89 mm
- Tool weight: approx. 1050 gr.
- Attention: not usable in combination with impact screwdrivers!

Description	Dimensions	Weight	Order No.
Torque amplifier	370 x 245 x 115 mm	1,93 kg	DMVI65

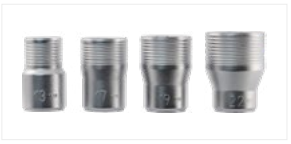
Including:
- Torque amplifier
- Allen key 5
- Sockets 13, 17, 19, 22
- Allen key inserts 5, 6, 8
- Rigid case



Set DMVI65



Allen key inserts



Sockets

INSULATED VERSION IS AVAILABLE: **DMVI65-ISL**

95 NM VERSION IS AVAILABLE: **DMVI95**

The set contents are vary corresponding to the application.



Set DMVI65A

Torque amplifier set with accu-tool

Description	Dimensions	Weight	Order No.
Torque amplifier with accu-tool	480 x 280 x 125 mm	4,60 kg	DMVI65A

Including:
- Battery operated torque amplifier 12V-2Ah
- Allen key 5
- Sockets 10,13, 14, 17, 19, 22, 24
- Allen key inserts 5, 6, 8, 10
- Battery charger
- Rigid case

intercable TOOLS

MORE TOOLS WE LOVE



Insulated wrenches and keys



Modular tools



Electrotechnical Equipment

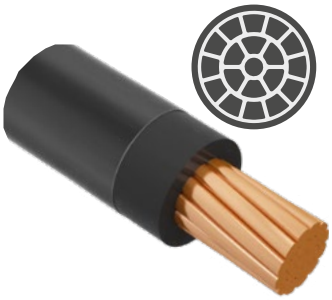


Safety Cutting

4 types of stranded cables



rigid
stranded
cable - class 2



compact rigid
stranded
cable - class 2



flexible
fine stranded
cable - class 5

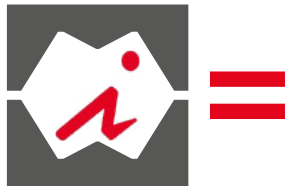


super-flexible
extra fine stranded
cable - class 6

1 better crimping solution



any standard
tubular cable lugs
and **connectors**



i - crimping



intelligent
crimping

intelligent crimping

- it combines the characteristics of the hexagonal crimping and the punch crimping.
- Suitable for:
  - multi-wired stranded rigid cables,
  - multi-wired stranded compact rigid cables,
  - multi fine wired stranded flexible cables,
  - multi extra-fine wired stranded super-flexible cables.
- More effective pressing on the conductors improving the electrical characteristics of the connection.
- The tensile strength value of the cable is higher than traditional solutions and significantly higher than the values of applicable standards, ensuring better mechanical characteristics of the connection.

Pressing	Normal hexagonal crimping	Innovative i-crimping
		
Result	Sufficient (partially suitable for compact cables)	Better /above the standard requirement

I-SERIES - TUBULAR CABLE LUGS AND CONNECTORS & CRIMPING TOOLS

Inspection hole

With inspection hole to control the perfect connection

Cost-Efficient

Lighter and shorter compared to DIN lugs without compromising on capabilities



Highest quality materials

Cu-HCP 99,9% clean electrolytic copper, tinned. The base for the long-term highest quality crimped connection

Variety range of use

For more types of cable classes. Best performance with i-crimping (see page 77)

Cu I	 ● CI...-M..	 ● CI...-M...-90	 ● CI...-M...-45							 CTT-...
mm²	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	
1,5	● CI1.5-M3 ● ICS1390	● CI1.5-M4 ● ICS1490	● CI1.5-M5 ● ICS1590	● CI1.5-M6 ● ICS1690							CTT-1.5
2,5		● CI2.5-M4 ● ICS2490	● CI2.5-M5 ● ICS2590	● CI2.5-M6 ● ICS2690	● CI2.5-M8 ● ICS2890						CTT-2.5
4		● CI4-M4 ● ICS4490	● CI4-M5 ● ICS4590	● CI4-M6 ● ICS4690	● CI4-M8 ● ICS4890						CTT-4
6		● CI6-M4 ● ICS6490	● CI6-M5 ● ICS6590	● CI6-M6 ● ICS6690	● CI6-M8 ● ICS6890	● CI6-M10					CTT-6
10		● CI10-M4	● CI10-M5 ● CI10-M5-90 ● CI10-M5-45	● CI10-M6 ● CI10-M6-90 ● CI10-M6-45	● CI10-M8 ● CI10-M8-90 ● CI10-M8-45	● CI10-M10 ● CI10-M10-90	● CI10-M12 ● CI10-M12-90				CTT-10
16			● CI16-M5 ● CI16-M5-90	● CI16-M6 ● CI16-M6-90 ● CI16-M6-45	● CI16-M8 ● CI16-M8-90 ● CI16-M8-45	● CI16-M10 ● CI16-M10-90 ● CI16-M10-45	● CI16-M12 ● CI16-M12-90				CTT-16
25			● CI25-M5 ● CI25-M5-90 ● CI25-M5-45	● CI25-M6 ● CI25-M6-90 ● CI25-M6-45	● CI25-M8 ● CI25-M8-90 ● CI25-M8-45	● CI25-M10 ● CI25-M10-90 ● CI25-M10-45	● CI25-M12 ● CI25-M12-90 ● CI25-M12-45	● CI25-M14			CTT-25
35			● CI35-M5	● CI35-M6 ● CI35-M6-90 ● CI35-M6-45	● CI35-M8 ● CI35-M8-90 ● CI35-M8-45	● CI35-M10 ● CI35-M10-90 ● CI35-M10-45	● CI35-M12 ● CI35-M12-90 ● CI35-M12-45	● CI35-M14	● CI35-M16		CTT-35
50				● CI50-M6 ● CI50-M6-90 ● CI50-M6-45	● CI50-M8 ● CI50-M8-90 ● CI50-M8-45	● CI50-M10 ● CI50-M10-90 ● CI50-M10-45	● CI50-M12 ● CI50-M12-90 ● CI50-M12-45	● CI50-M14	● CI50-M16 ● CI50-M16-90	● CI50-M20	CTT-50
70				● CI70-M6 ● CI70-M6-45	● CI70-M8 ● CI70-M8-90 ● CI70-M8-45	● CI70-M10 ● CI70-M10-90 ● CI70-M10-45	● CI70-M12 ● CI70-M12-90 ● CI70-M12-45	● CI70-M14 ● CI70-M14-90	● CI70-M16 ● CI70-M16-90		CTT-70
95				● CI95-M6	● CI95-M8 ● CI95-M8-90 ● CI95-M8-45	● CI95-M10 ● CI95-M10-90 ● CI95-M10-45	● CI95-M12 ● CI95-M12-90 ● CI95-M12-45	● CI95-M14	● CI95-M16 ● CI95-M16-90	● CI95-M20 ● CI95-M20-90	CTT-95
120					● CI120-M8 ● CI120-M8-90 ● CI120-M8-45	● CI120-M10 ● CI120-M10-90 ● CI120-M10-45	● CI120-M12 ● CI120-M12-90 ● CI120-M12-45	● CI120-M14	● CI120-M16 ● CI120-M16-90 ● CI120-M16-45	● CI120-M20	CTT-120
150					● CI150-M8 ● CI150-M8-90 ● CI150-M8-45	● CI150-M10 ● CI150-M10-90 ● CI150-M10-45	● CI150-M12 ● CI150-M12-90 ● CI150-M12-45	● CI150-M14	● CI150-M16 ● CI150-M16-90 ● CI150-M16-45	● CI150-M20 ● CI150-M20-90	CTT-150
185					● CI185-M8	● CI185-M10 ● CI185-M10-90 ● CI185-M10-45	● CI185-M12 ● CI185-M12-90 ● CI185-M12-45	● CI185-M14	● CI185-M16 ● CI185-M16-90 ● CI185-M16-45	● CI185-M20 ● CI185-M20-90 ● CI185-M20-45	CTT-185
240					● CI240-M8	● CI240-M10 ● CI240-M10-90	● CI240-M12 ● CI240-M12-90 ● CI240-M12-45	● CI240-M14 ● CI240-M14-45	● CI240-M16 ● CI240-M16-90 ● CI240-M16-45	● CI240-M20 ● CI240-M20-90 ● CI240-M20-45	CTT-240
300						● CI300-M10	● CI300-M12	● CI300-M14	● CI300-M16	● CI300-M20	CTT-300
400						● CI400-M10	● CI400-M12	● CI400-M14	● CI400-M16	● CI400-M20	CTT-400
500							● CI500-M12		● CI500-M16	● CI500-M20	CTT-500
630									● CI630-M16	● CI630-M20	CTT-630

I-SERIES - TUBULAR CABLE LUGS AND CONNECTORS & CRIMPING TOOLS

	TOOL SERIES 50 50 kN, 10 - 240 mm²	TOOL SERIES 60-1, 60-3 60 kN, 10 - 240 mm²	TOOL SERIES 60-2 60 kN, 10 - 300 mm²	TOOL SERIES 130 130 kN, 10 - 400 mm²
hand-mechanic page 15		 MP60-1  MP60-3	 MP60-2	
hydraulic head page 24		 PP60-1	 PP60-2	 PP130-C  PP130-C2  PP130-H
hand-hydraulic page 18	 HP50	 HP60-3	 HP60-4	 HPI130-C  HPI130-C2  HPI130-H
accu-hydraulic page 20	 STILO50	 AP60-1	 STILO60  AP60-2	 AP130-C  AP130-C2  AP130-H

	CRIMPING DIES SERIES 50, 60-1, 60-3		CRIMPING DIES SERIES 60-2		CRIMPING DIES SERIES 130	
						
mm²	Crimping width	Order No.	Crimping width	Order No.	Crimping width	Order No.	Crimping width	Order No.
10	7 mm	U5-K07M	7 mm	U5-I10	7 mm	U6-I10	7 mm	U13-K07M
16	7 mm	U5-K08M	7 mm	U5-I16	7 mm	U6-I16	7 mm	U13-K08M
25	7 mm	U5-K10M	9 mm	U5-I25	9 mm	U6-I25	12 mm	U13-K10M
35	7 mm	U5-K11M	5 mm	U5-I35	5 mm	U6-I35	12 mm	U13-K11M
50	7 mm	U5-K13M	5 mm	U5-I50	5 mm	U6-I50	12 mm	U13-K13M
70	7 mm	U5-K14	5 mm	U5-I70	5 mm	U6-I70	12 mm	U13-K14
95	7 mm	U5-K17M	5 mm	U5-I95	5 mm	U6-I95	12 mm	U13-K17M
120	7 mm	U5-K18	5 mm	U5-I120	5 mm	U6-I120	12 mm	U13-K18
150	5 mm	U5-K20D	5 mm	U5-I150	5 mm	U6-I150	12 mm	U13-K20D
185	5 mm	U5-K22D	5 mm	U5-I185	5 mm	U6-I185	14 mm	U13-K22D
240	5 mm	U5-K25M	5 mm	U5-I240	5 mm	U6-I240	14 mm	U13-K25M
300					5 mm	U6-I300	7 mm	U13-K28D
400							7 mm	U13-K34D

DIN-SERIES - TUBULAR CABLE LUGS AND CONNECTORS & CRIMPING TOOLS

Made in Germany

Made in the German factory owned by Intercable.
The tinning process is done within the company

100% MADE IN GERMANY



DIN-series

Compatibility with the crimping dies designed for dimensions acc. to DIN 46235, 46267.
Designed with 2-3 times safety

Marked

Visually marked crimping positions

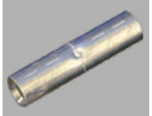


Highest quality materials

Cu-HCP 99,9% clean electrolytic copper, tinned.
The base for the long-term highest quality crimped connection

Variety range of use

For copper cables class 1 and 2 and for flexible cables from class 5,
according to VDE0295

Cu DIN	 ICD...  ICD...90								 ICD...V
mm²	M5	M6	M8	M10	M12	M14	M16	M20	
6	ICD65	ICD66	ICD68						ICD6V
10	ICD105	ICD106 ICD10690	ICD108 ICD10890	ICD1010					ICD10V
16	ICD165	ICD166 ICD16690	ICD168 ICD16890	ICD1610 ICD161090	ICD1612 ICD161290				ICD16V
25		ICD256 ICD25690	ICD258 ICD25890	ICD2510 ICD251090	ICD2512 ICD251290		ICD2516		ICD25V
35		ICD356 ICD35690	ICD358 ICD35890	ICD3510 ICD351090	ICD3512 ICD351290		ICD3516		ICD35V
50		ICD506	ICD508 ICD50890	ICD5010 ICD501090	ICD5012 ICD501290	ICD5014	ICD5016 ICD501690		ICD50V
70			ICD708 ICD70890	ICD7010 ICD701090	ICD7012 ICD701290	ICD7014	ICD7016 ICD701690	ICD7020	ICD70V
95			ICD958 ICD95890	ICD9510 ICD951090	ICD9512 ICD951290	ICD9514	ICD9516 ICD951690	ICD9520	ICD95V
120			ICD1208	ICD12010 ICD1201090	ICD12012 ICD1201290	ICD12014	ICD12016 ICD1201690	ICD12020 ICD1202090	ICD120V
150			ICD1508 ICD150890	ICD15010 ICD1501090	ICD15012 ICD1501290	ICD15014	ICD15016 ICD1501690	ICD15020 ICD1502090	ICD150V
185			ICD1858 ICD185890	ICD18510 ICD1851090	ICD18512 ICD1851290	ICD18514	ICD18516 ICD1851690	ICD18520 ICD1852090	ICD185V
240				ICD24010	ICD24012 ICD2401290	ICD24014	ICD24016 ICD2401690	ICD24020 ICD2402090	ICD240V
300				ICD30010	ICD30012 ICD3001290	ICD30014	ICD30016 ICD3001690	ICD30020 ICD3002090	ICD300V
400				ICD40010	ICD40012	ICD40014	ICD40016	ICD40020	ICD400V
500					ICD50012	ICD50014	ICD50016	ICD50020	ICD500V
625							ICD62516	ICD62520	ICD625V
800							ICD80016	ICD80020	ICD800V
1000								ICD100020	ICD1000V

Without tin: ICD...BK

DIN-SERIES - TUBULAR CABLE LUGS AND CONNECTORS & CRIMPING TOOLS

	TOOL SERIES 50 50 kN, 10 - 240 mm²	TOOL SERIES 60-1, 60-3 60 kN, 10 - 240 mm²	TOOL SERIES 60-2 60 kN, 10 - 300 mm²	TOOL SERIES 130 130 kN, 10 - 400 mm²
hand-mechanic (page 15)		 MP60-1  MP60-3	 MP60-2	
hydraulic head (page 24)		 PP60-1	 PP60-2	 PP130-C  PP130-C2  PP130-H
hand-hydraulic (page 18)	 HP50	 HP60-3	 HP60-4	 HPI130-C  HPI130-C2  HPI130-H
accu-hydraulic (page 20)	 STILO50	 AP60-1	 STILO60  AP60-2	 AP130-C  AP130-C2  AP130-H

	SERIES 50, 60-1, 60-3		SERIES 60-2		SERIES 130		SERIES 230		SERIES 520	
										
mm² / dies code	Crimp width	Order No.	Crimp width	Order No.	Crimp width	Order No.	Crimp width	Order No.	Crimp width	Order No.
6 / 5	5 mm	MK5-50	5 mm	MK5-CK						
10 / 6	5 mm	MK6-50	5 mm	MK6-CK	5 mm	MK6-C				
16 / 8	5 mm	MK8-50	5 mm	MK8-CK	14 mm	MK8-C				
25 / 10	5 mm	MK10-50	5 mm	MK10-CK	14 mm	MK10-C	14 mm	MK10-230		
35 / 12	5 mm	MK12-50	5 mm	MK12-CK	14 mm	MK12-C	14 mm	MK12-230	14 mm	MK12-520
50 / 14	5 mm	MK14-50	5 mm	MK14-CK	14 mm	MK14-C	14 mm	MK14-230	14 mm	MK14-520
70 / 16	5 mm	MK16-50	5 mm	MK16-CK	14 mm	MK16-C	14 mm	MK16-230	14 mm	MK16-520
95 / 18	5 mm	MK18-50	5 mm	MK18-CK	14 mm	MK18-C	12 mm	MK18-230	14 mm	MK18-520
120 / 20	5 mm	MK20-50	5 mm	MK20-CK	14 mm	MK20-C	14 mm	MK20-230	14 mm	MK20-520
150 / 22	5 mm	MK22-50	5 mm	MK22-CK	14 mm	MK22-C	14 mm	MK22-230	14 mm	MK22-520
185 / 25	5 mm	MK25-50	5 mm	MK25-CK	14 mm	MK25-C	14 mm	MK25-230	14 mm	MK25-520
240 / 28	5 mm	MK28-50	5 mm	MK28-CK	10 mm	MK28-C	14 mm	MK28-230	14 mm	MK28-520
300 / 32			5 mm	MK32-CK	7 mm	MK32-C	17 mm	MK32-230	17 mm	MK32-520
400 / 38							17 mm	MK38-230	17 mm	MK38-520
500 / 42							17 mm	MK42-230	17 mm	MK42-520
625 / 44							17 mm	MK44-230	17 mm	MK44-520
800 / 52									25 mm	MK52-520
1000 / 58									25 mm	MK58-520

AL DIN-SERIES - TUBULAR CABLE LUGS AND CONNECTORS & CRIMPING TOOLS



ICAL...



ICAL...LD

- Material: Al 99,5 % / ...LDV: tinned
- DIN 46239 (lugs) / 46267 (connectors)
- Filled with contact grease / closed
- With oil-stop

100% MADE IN GERMANY

ICAL...LD with tinned surface: ICAL...LDV
With this special thickness of tinning, these types are also applicable for Al-Cu connections in dry area.



ICALCU...

- Materials: Al 99,5%, Cu-ETP 99,9%
- DIN 46239
- Filled with contact grease / closed
- With oil-stop

Al / AL - CU DIN-series		 ICAL...	 ICAL...LD	 ICALCU...			 ICAL...V
mm² stranded Al cable	mm² solid Al cable	M8	M10	M12	M16	M20	
16	25	ICAL168 ICAL168LD ICALCU168	ICAL1610 ICAL1610LD ICALCU1610				ICAL16V
25	35	ICAL258 ICAL258LD ICALCU258	ICAL2510 ICAL2510LD ICALCU2510	ICALCU2512			ICAL25V
35	50	ICAL358 ICAL358LD ICALCU358	ICAL3510 ICAL3510LD ICALCU3510	ICAL3512 ICAL3512LD ICALCU3512			ICAL35V
50	70	ICAL508 ICAL508LD ICALCU508	ICAL5010 ICAL5010LD ICALCU5010	ICAL5012 ICAL5012LD ICALCU5012			ICAL50V
70	95		ICAL7010 ICAL7010LD ICALCU7010	ICAL7012 ICAL7012LD ICALCU7012	ICALCU7016		ICAL70V
95	120		ICAL9510 ICAL9510LD ICALCU9510	ICAL9512 ICAL9512LD ICALCU9512	ICAL9516 ICAL9516LD ICALCU9516		ICAL95V
120	150		ICAL12010 ICAL12010LD ICALCU12010	ICAL12012 ICAL12012LD ICALCU12012	ICAL12016 ICAL12016LD ICALCU12016		ICAL120V
150	185		ICAL15010 ICAL15010LD ICALCU15010	ICAL15012 ICAL15012LD ICALCU15012	ICAL15016 ICAL15016LD ICALCU15016	ICAL15020 ICAL15020LD	ICAL150V
185	240		ICAL18510 ICAL18510LD ICALCU18510	ICAL18512 ICAL18512LD ICALCU18512	ICAL18516 ICAL18516LD ICALCU18516	ICAL18520 ICAL18520LD ICALCU18520	ICAL185V
240	300		ICAL24010 ICAL24010LD ICALCU24010	ICAL24012 ICAL24012LD ICALCU24012	ICAL24016 ICAL24016LD ICALCU24016	ICAL24020 ICAL24020LD ICALCU24020	ICAL240V
300	-		ICALCU30010	ICAL30012 ICAL30012LD ICALCU30012	ICAL30016 ICAL30016LD ICALCU30016	ICAL30020 ICAL30020LD ICALCU30020	ICAL300V
400	-		ICALCU40010	ICAL40012 ICAL40012LD ICALCU40012	ICAL40016 ICAL40016LD ICALCU40016	ICAL40020 ICAL40020LD ICALCU40020	ICAL400V
500	-		ICALCU50010	ICAL50012 ICAL50012LD ICALCU50012	ICAL50016 ICAL50016LD ICALCU50016	ICAL50020 ICAL50020LD ICALCU50020	ICAL500V
630	-			ICALCU62512	ICALCU62516	ICALCU62520	

AL DIN-SERIES - TUBULAR CABLE LUGS AND CONNECTORS & CRIMPING TOOLS

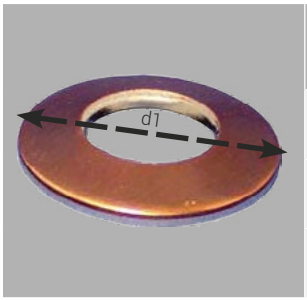
	TOOL SERIES 50 50 kN, 10 - 240 mm²	TOOL SERIES 60-1, 60-3 60 kN, 10 - 240 mm²	TOOL SERIES 60-2 60 kN, 10 - 300 mm²	TOOL SERIES 130 130 kN, 10 - 400 mm²
hand-mechanic page 15		 MP60-1  MP60-3	 MP60-2	
hydraulic head page 24		 PP60-1	 PP60-2	 PP130-C  PP130-C2  PP130-H
hand-hydraulic page 18	 HP50	 HP60-3	 HP60-4	 HPI130-C HPI130-C2 HPI130-H
accu-hydraulic page 20	 STILO50	 AP60-1	 STILO60  AP60-2	 AP130-C AP130-C2 AP130-H

	SERIES 50, 60-1, 60-3		SERIES 60-2		SERIES 130		SERIES 230		SERIES 520	
										
mm² / dies code	Crimp width	Order No.	Crimp width	Order No.	Crimp width	Order No.	Crimp width	Order No.	Crimp width	Order No.
16 / 12	7 mm	MK12B-50	7 mm	MK12B-CK	14 mm	MK12-C	14 mm	MK12-230	14 mm	MK12-520
25 / 12										
35 / 14	7 mm	MK14B-50	7 mm	MK14B-CK	14 mm	MK14-C	14 mm	MK14-230	14 mm	MK14-520
50 / 16	7 mm	MK16B-50	7 mm	MK16B-CK	14 mm	MK16-C	14 mm	MK16-230	14 mm	MK16-520
70 / 18	7 mm	MK18B-50	7 mm	MK18B-CK	14 mm	MK18-C	12 mm	MK18-230	12 mm	MK18-520
95 / 22	7 mm	MK22B-50	7 mm	MK22B-CK	14 mm	MK22-C	40 mm	MK22B-230	40 mm	MK22B-520
120 / 22										
150 / 25	7 mm	MK25B-50	7 mm	MK25B-CK	14 mm	MK25-C	40 mm	MK25B-230	40 mm	MK25B-520
185 / 28	7 mm	MK28B-50	7 mm	MK28B-CK	14 mm	MK28L-C	40 mm	MK28B-230	40 mm	MK28B-520
240 / 32	5 mm	MK32-50V*	7 mm	MK32B-CK	17 mm	MK32L-C	25 mm	MK32B-230	40 mm	MK32B-520
300 / 34			5 mm	MK34-CK	17 mm	MK34L-C	25 mm	MK34B-230	40 mm	MK34B-520
400 / 38							25 mm	MK38B-230	40 mm	MK38B-520
500 / 44							17 mm	MK44-230	40 mm	MK44B-520
625 / 52									40 mm	MK52B-520

* only for 60-1 and 60-3 hydraulic tools

AL-CU WASHERS, NICKEL AND STAINLESS STEEL CABLE LUGS

Al-Cu washers:



M6 / d1	M8 / d1	M10 / d1	M12 / d1	M16 / d1	M20 / d1
ICALCU6CS 16 mm	ICALCU8CS 18 mm	ICALCU10CS 23 mm	ICALCU12CS2 26 mm	ICALCU16CS 35 mm	ICALCU20CS 37 mm
		ICALCU10CS2 26 mm	ICALCU12CS 30 mm	ICALCU16CS2 46 mm	ICALCU20CS2 46 mm
			ICALCU12CS3 46 mm		

Nickel-series

- Material: pure nickel
- For high temperature operation, T 500°C

Ni	 ICNI...								
mm²	M3	M4	M5	M6	M8	M10	M12	M16	
0,5 - 1	ICNI13	ICNI14	ICNI15						ICNI1V
1,5 - 2,5		ICNI24	ICNI25	ICNI26					ICNI2V
4 - 6		ICNI64	ICNI65	ICNI66	ICNI68				ICNI6V
10			ICNI105	ICNI106	ICNI108				ICNI10V
16			ICNI165	ICNI166	ICNI168				ICNI16V

Stainless Steel-series

- Material: stainless steel, V4A
- For high temperature operation, T 400°C
- Strong and durable
- Safe against oxidation and acids, and safe for food

100% MADE IN GERMANY

Steel	 ICVA...							
mm²	M3	M4	M5	M6	M8	M10	M12	M16
1,5 - 2,5		ICVA24	ICVA25	ICVA26				
4 - 6		ICVA64	ICVA65	ICVA66	ICVA68			
10			ICVA105	ICVA106	ICVA108			
16			ICVA165	ICVA166	ICVA168			
25				ICVA256	ICVA258			
35				ICVA356	ICVA358	ICVA3510		
50					ICVA508	ICVA5010	ICVA5012	
70					ICVA708	ICVA7010	ICVA7012	ICVA7016
95					ICVA958	ICVA9510	ICVA9512	ICVA9516



Tool selection for the Ni and steel connectors:
see page 9, page 13

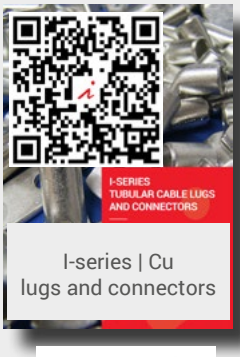




Crimping dies for Ni and steel connectors:
page 101

WE PRODUCE HIGH QUALITY TUBULAR CABLE LUGS AND CONNECTORS

Check out some more details about the lugs from our connector series!
Scan / click for the pdf files!



I-series | Cu
lugs and connectors



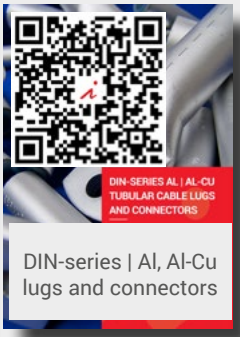
R-series | Cu
lugs and connectors



F-series | Cu
lugs and connectors



DIN-series | Cu
lugs and connectors



DIN-series | Al, Al-Cu
lugs and connectors



CI...-M...



ICR...



ICF...



ICD...



ICAL...



CI...-M...-CL



ICR...DL / D.



ICF...S



ICD...90



ICAL...V



CI...-M...-PR



ICR...S



ICF...90



ICD...V



ICALCU...



CI...-M...-90



ICR...90



ICF...90S



ICALCU...V



CI...-M...-45



ICR...45



ICF...V



CTT-...



ICR...V



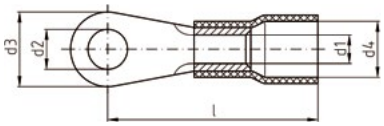
ICR...T

Check the connectors on our sites!

INSULATED CRIMPING TERMINALS

Insulated cable lugs DIN 46237





Application: For fine and extra fine stranded conductors
Connection material: CU-ETP
Surface: galvanically tinned
Insulation: PC halogenfree
Operation temperature up to 120°C
Max. 600 V

RoHS compliant
Halogen Free

Cable mm²	Screw M	Colour	Order No.	Dimensions in mm					Weight kg / 100 pcs	PU
				d1	d4	d2	d3	l		
0,1-0,5	2		ICIQ052*	1	2,3	2,2	5	14	0,02	100
	3		ICIQ053*			3,2	5	14	0,02	100
	4		ICIQ054*			4,3	6,5	16	0,03	100
	5		ICIQ055*			5,3	8	16	0,03	100
0,5-1	2		ICIQ12	1,6	4	2,2	6	17	0,06	100
	3		ICIQ13			3,2	6	17	0,06	100
	3,5		ICIQ135			3,7	6	17	0,06	100
	4		ICIQ14			4,3	8	18	0,07	100
	4		ICIQ14S			4,3	7	17,5	0,06	100
	4		ICIQ14GV			4,3	8	18	0,07	1000*
	5		ICIQ15			5,3	10	19	0,08	100
	5		ICIQ15S			5,3	8	18,5	0,06	100
	5		ICIQ15GV			5,3	10	19	0,08	1000*
	6		ICIQ16*			6,5	10	19	0,08	100
	8		ICIQ18*			8,4	14	23	0,10	100
	10		ICIQ110*			10,5	18	25	0,10	100
1,5-2,5	3		ICIQ23	2,3	4,4	3,2	6	17	0,07	100
	3,5		ICIQ235			3,7	6	17	0,06	100
	4		ICIQ24			4,3	8	18	0,08	100
	4		ICIQ24S			4,3	6,8	17,6	0,06	100
	4		ICIQ24GV			4,3	8	18	0,08	1000*
	5		ICIQ25			5,3	10	20	0,10	100
	5		ICIQ25S			5,3	8	19,5	0,07	100
	5		ICIQ25GV			5,3	10	20	0,10	1000*
	6		ICIQ26			6,5	11	22	0,11	100
	6		ICIQ26GV			6,5	11	22	0,11	1000*
	8		ICIQ28			8,4	14	23	0,14	100
	10		ICIQ210*			10,5	18	25,6	0,19	100
	12		ICIQ212*			13	18	26	0,16	100
4-6	4		ICIQ64	3,6	6,4	4,3	8	21	0,14	100
	5		ICIQ65			5,3	10	22	0,16	100
	6		ICIQ66			6,5	11	23	0,17	100
	6		ICIQ66GV			6,5	11	23	0,17	1000*
	8		ICIQ68			8,4	14	26	0,22	100
	10		ICIQ610			10,5	18	28	0,27	100
	12		ICIQ612			13	18	28	0,24	100

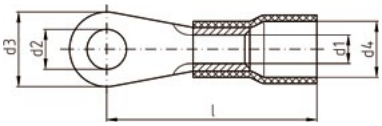
* = not part of DIN 46237



Tool selection:
see page 9, page 12, page 13

Insulated cable lugs DIN 46234





Application: For fine and extra fine stranded conductors
Connection material: CU-ETP
Surface: galvanically tinned
Insulation: PC halogenfree
Operation temperature up to 120°C
Max. 600 V
Pipe dimensions acc.to
DIN 46234 (10 - 150 mm²)

RoHS compliant
Halogen Free

Cable mm²	Screw M	Colour	Order No.	Dimensions in mm					Weight kg / 100 pcs	PU
				d1	d4	d2	d3	l		
10	5	●	ICIQ105	4,5	8	5,3	10	24,5	0,23	50
	6	●	ICIQ106			6,5	11	25,5	0,24	50
	8	●	ICIQ108			8,4	14	28,5	0,30	50
	10	●	ICIQ1010			10,5	18	29,5	0,35	50
16	5	●	ICIQ165	5,8	10,5	5,3	11	31,5	0,40	50
	6	●	ICIQ166			6,5	11	31,5	0,38	50
	8	●	ICIQ168			8,4	14	33,5	0,43	50
	10	●	ICIQ1610			10,5	18	35,5	0,50	50
25	5	●	ICIQ255	7,5	13	5,3	12	38	0,71	50
	6	●	ICIQ256			6,5	12	38	0,69	50
	8	●	ICIQ258			8,4	16	38	0,76	50
	10	●	ICIQ2510			10,5	18	39	0,79	50
	12	●	ICIQ2512			13	22	44	0,97	50
35	6	●	ICIQ356	9	14,5	6,5	15	41	0,97	50
	8	●	ICIQ358			8,4	16	41	0,97	50
	10	●	ICIQ3510			10,5	18	42	1,01	50
	12	●	ICIQ3512			13	22	46	1,17	50
50	6	●	ICIQ506	11	16,5	6,5	18	47,5	1,76	50
	8	●	ICIQ508			8,4	18	47,5	1,71	50
	10	●	ICIQ5010			10,5	18	47,5	1,74	50
	12	●	ICIQ5012			13	22	49,5	1,80	50
70	6	●	ICIQ706	13	18,7	6,5	22	51	2,58	50
	8	●	ICIQ708			8,4	22	51	2,63	50
	10	●	ICIQ7010			10,5	22	51	2,55	50
	12	●	ICIQ7012			13	22	51	2,58	50
	16	●	ICIQ7016			17	28	55	2,68	50
95	8	●	ICIQ958	15	21,7	8,4	24	57,5	4,09	50
	10	●	ICIQ9510			10,5	24	57,5	4,22	50
	12	●	ICIQ9512			13	24	57,5	3,92	50
	16	●	ICIQ9516			17	28	59,5	3,94	50
120	8	●	ICIQ1208	16,5	24,2	8,4	24	62	5,63	25
	10	●	ICIQ12010			10,5	24	62	5,56	25
	12	●	ICIQ12012			13	24	62	5,33	25
	16	●	ICIQ12016			17	28	66	5,67	25
150	10	●	ICIQ15010	19	27,2	10,5	30	70	8,02	25
	12	●	ICIQ15012			13	30	70	7,84	25
	16	●	ICIQ15016			17	30	70	7,56	25

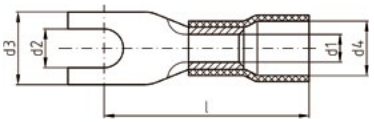


Tool selection:
see page 9, page 12, page 13

INSULATED CRIMPING TERMINALS

Insulated cable terminals, fork type, DIN 46237





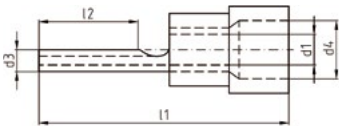
Application: For fine and extra fine stranded conductors
Connection material: CU-ETP
Surface: galvanically tinned
Insulation: PC halogenfree
Operation temperature up to 120°C
Cable cross-section: 0,5 - 6 mm² / DIN 46237
Cable cross-section: 10 -16 mm² / DIN 46230
Max. 600 V

RoHS compliant · Halogen Free

Cable mm²	Screw M	Colour	Order No.	Dimensions in mm					Weight kg / 100 pcs	PU
				d1	d4	d2	d3	l		
0,5-1	3	red	ICIQ13G	1,6	4	3,2	6	17	0,06	100
	3,5	red	ICIQ135G			3,7	6	17	0,05	100
	4	red	ICIQ14G			4,3	8	18,1	0,07	100
	4	red	ICIQ14GS			4,3	6,8	18	0,06	100
	5	red	ICIQ15G			5,3	10	19	0,08	100
	6	red	ICIQ16G*			6,5	11	21	0,09	100
1,5-2,5	3	blue	ICIQ23G	2,3	4,5	3,2	5,5	19	0,06	100
	3,5	blue	ICIQ235G			3,7	6	17	0,07	100
	4	blue	ICIQ24G			4,3	8	18	0,08	100
	4	blue	ICIQ24GS			4,3	6,8	18,7	0,06	100
	5	blue	ICIQ25G			5,3	10	20	0,10	100
	6	blue	ICIQ26G			6,5	11	22	0,12	100
4-6	4	yellow	ICIQ64G	3,6	6,4	4,3	8	21	0,14	100
	5	yellow	ICIQ65G			5,3	10	22	0,16	100
	6	yellow	ICIQ66G			6,5	11	23	0,17	100
	8	yellow	ICIQ68G			8,4	14	26	0,25	100
	10	yellow	ICIQ610G			10,5	18	28	0,34	100
10	5	red	ICIQ105G	4,5	8	5,3	10,5	24,1	0,23	50
	6	red	ICIQ106G			6,5	10,8	24,6	0,24	50
16	6	blue	ICIQ166G	5,8	11	6,5	11	32,2	0,50	50
	8	blue	ICIQ168G			8,4	13,8	32,2	0,50	50

Insulated pin terminals DIN 46231





Application: For fine and extra fine stranded conductors
Connection material: CU-ETP
Surface: galvanically tinned
Insulation: PC halogenfree
Operation temperature up to 120°C
Max. 600 V

RoHS compliant · Halogen Free · c UL us E521264

Cable mm²	Colour	Order No.	Dimensions in mm					Weight kg / 100 pcs	PU
			d1	d4	d3	l1	l2		
0,1-0,5	yellow	ICIQ05ST*	1	2,2	1,2	18	9	0,02	100
0,5-1	red	ICIQ1ST	1,7	4	1,9	22,8	11	0,06	100
1,5-2,5	blue	ICIQ2ST	2,3	4,5	1,9	22,8	11	0,07	100
1,5-2,5	blue	ICIQ2STL	2,3	4,5	1,9	27	14	0,09	100
4-6	yellow	ICIQ6ST	3,6	6,4	2,8	27	11	0,15	100
10	red	ICIQ10ST*	4,5	7,8	2,4x4,3	34	12	0,25	50
16	blue	ICIQ16ST*	5,8	9,1	2,5x5,6	40,7	13,5	0,43	50
25	yellow	ICIQ25ST*	7	12,4	2,5x6,9	44	16	0,69	50
35	red	ICIQ35ST*	8,4	14	3,2x8,1	52,5	20	1,19	50

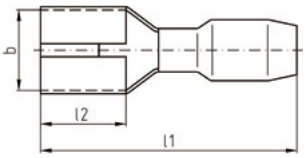
* = not part of DIN 46231



Tool selection:
see page 9, page 12, page 13

Insulated female disconnectors





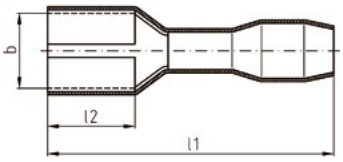
Application: For fine and extra fine stranded conductors
Connection material: Brass with copper collar
Surface: galvanically tinned
Insulation: PVC or PC
Operation temperature up to 70°C (PVC) or 125°C (PC)
Max. 300 V

RoHS compliant · Halogen Free · c UL us E521265

Cable mm²	Colour	insul. PVC Order No.	insul. PC Order No.	Dimensions in mm				Weight kg / 100 pcs	PU
				Plug width	Plug thick.	l1	l2		
0,1-0,5	●	ICIQ0525FH	-	2,8	0,5	16	6,4	0,04	100
	●	ICIQ0528FH	-	2,8	0,8	16	6,4	0,04	100
0,5-1	●	ICIQ125FH	ICIQ125FHPC	2,8	0,5	19	6,5	0,08	100
	●	ICIQ128FH	ICIQ128FHPC	2,8	0,8	19	6,5	0,08	100
	●	ICIQ145FH	ICIQ145FHPC	4,8	0,5	19,4	6,4	0,09	100
	●	ICIQ148FH	ICIQ148FHPC	4,8	0,8	19,4	6,4	0,09	100
	●	ICIQ168FH	ICIQ168FHPC	6,3	0,8	20,8	7,5	0,11	100
	●	ICIQ168FHGV	-	6,3	0,8	20,8	7,5	0,11	1000*
1,5-2,5	●	ICIQ225FH	ICIQ225FHPC	2,8	0,5	19	6,5	0,08	100
	●	ICIQ228FH	ICIQ228FHPC	2,8	0,8	19	6,5	0,08	100
	●	ICIQ245FH	-	4,8	0,5	19,4	6,4	0,10	100
	●	ICIQ248FH	ICIQ248FHPC	4,8	0,8	19,4	6,4	0,08	100
	●	ICIQ268FH	ICIQ268FHPC	6,3	0,8	20,8	7,3	0,12	100
	●	ICIQ268FHGV	-	6,3	0,8	20,8	7,3	0,12	1000*
4-6	●	ICIQ668FH	ICIQ668FHPC	6,3	0,8	23,3	7,3	0,18	100
	●	ICIQ6912FH	ICIQ6912FHPC	9,5	1,2	28,6	12	0,26	100

Fully insulated female disconnectors





Application: For fine and extra fine stranded conductors
Connection material: Brass with copper collar
Surface: galvanically tinned
Insulation: PA or PC
Operation temperature up to 105°C (PA) or 125°C (PC)
Max. 300 V

RoHS compliant · Halogen Free

Cable mm²	insul. PA Order No.	insul. PC Order No.	Colour	Dimensions in mm				PU
				Plug width	Plug thick.	l1	l2	
0,5-1,5	ICIQ125FHVI	ICIQ125FHVIPC	●	2,8	0,5	19,2	6,4	100
	ICIQ128FHVI	ICIQ128FHVIPC	●	2,8	0,8	19,2	6,4	100
	ICIQ145FHVI	ICIQ145FHVIPC	●	4,8	0,5	20,2	6,4	100
	ICIQ148FHVI	ICIQ148FHVIPC	●	4,8	0,8	20,2	6,4	100
	ICIQ168FHVI	ICIQ168FHVIPC	●	6,3	0,8	21,5	7,3	100
1,5-2,5	ICIQ245FHVI	ICIQ245FHVIPC	●	4,8	0,5	20,2	6,5	100
	ICIQ248FHVI	ICIQ248FHVIPC	●	4,8	0,8	20,2	6,5	100
	ICIQ268FHVI	ICIQ268FHVIPC	●	6,3	0,8	21,5	7,3	100
4-6	ICIQ668FHVI	ICIQ668FHVIPC	●	6,3	0,8	24,2	7,3	100

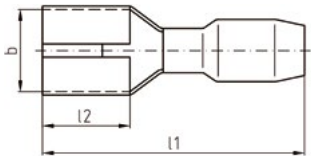


Tool selection:
see page 9, page 12, page 13

INSULATED CRIMPING TERMINALS

Insulated female disconnectors, tin bronze





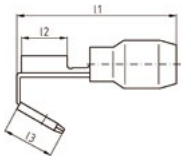
Application: For fine and extra fine stranded conductors
Connection material: Tin bronze
Surface: galvanically tinned
Insulation: PA
Operation temperature up to 100°C
Max. 300 V

RoHS compliant · Halogen Free

Cable mm²	Colour	Order No.	Dimensions in mm				Weight kg / 100 pcs	PU
			Plug width	Plug thick.	l1	l2		
0,5-1	red	ICIQ125FHB	2,8	0,5	18,4	6,4	0,06	100
	red	ICIQ128FHB	2,8	0,8	18,4	6,4	0,06	100
	red	ICIQ148FHB	4,8	0,8	19	6,2	0,08	100
	red	ICIQ168FHB	6,3	0,8	21	8	0,10	100
1,5-2,5	blue	ICIQ268FHB	6,3	0,8	21	8	0,11	100

Insulated branching disconnetors





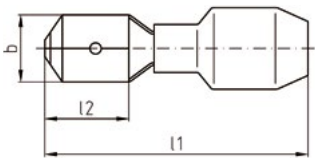
Application: For fine and extra fine stranded conductors
Connection material: Brass with copper collar
Surface: galvanically tinned
Insulation: PVC
Operation temperature up to 70°C
Max. 300 V

RoHS compliant · Halogen Free · c UL us E521265

Cable mm²	Colour	Order No.	Dimensions in mm					Weight kg / 100 pcs	PU
			Plug width	Plug thick.	l1	l2	l3		
0,5-1	red	ICIQ1FHA	6,3	0,8	23,9	8	8,2	0,15	100
1,5-2,5	blue	ICIQ2FHA	6,3	0,8	23	8	8,2	0,16	100
4-6	yellow	ICIQ6FHA	6,3	0,8	25	8	8,2	0,18	100

Insulated plugs for female disconnectors



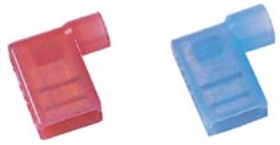


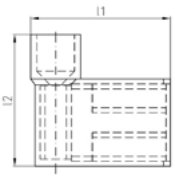
Application: For fine and extra fine stranded conductors
Connection material: Brass / Copper
Surface: galvanically tinned
Insulation: PVC or PC
Operation temperature up to 70°C (PVC) or 125°C (PC)
Max. 300 V

RoHS compliant · Halogen Free · c UL us E521265

Cable mm²	Colour	insul. PVC Order No.	insul. PC Order No.	Dimensions in mm				Weight kg / 100 pcs	PU
				Plug width	Plug thick.	l1	l2		
0,5-1	red	ICIQ128FS	ICIQ128FSPC	2,8	0,8	19,2	6,5	0,08	100
	red	ICIQ148FS	ICIQ148FSPC	4,8	0,8	19,8	6,7	0,09	100
	red	ICIQ168FS	ICIQ168FSPC	6,3	0,8	21,8	7,7	0,10	100
1,5-2,5	blue	ICIQ248FS	ICIQ248FSPC	4,8	0,8	19,8	6,7	0,09	100
	blue	ICIQ268FS	ICIQ268FSPC	6,3	0,8	21,8	7,7	0,11	100
4-6	yellow	ICIQ668FS	ICIQ668FSPC	6,3	0,8	24	7,7	0,18	100

Fully insulated 90° female disconnectors





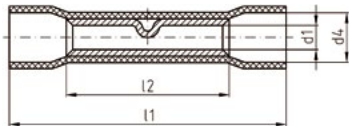
Application: For fine and extra fine stranded conductors
Connection material: Brass
Surface: galvanically tinned
Insulation: PA
Operation temperature up to 100°C
Max. 300 V

RoHS compliant · Halogen Free

Cable mm²	Colour	Order No.	Dimensions in mm				Weight kg / 100 pcs	PU
			Plug width	Plug thick.	l1	l2		
0,5-1	red	ICIQ168WFHVI	6,3	0,8	16,3	15	0,12	100
1,5-2,5	blue	ICIQ268WFHVI	6,3	0,8	16,8	15	0,12	100

Insulated butt connectors





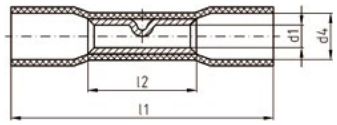
Application: For fine and extra fine stranded conductors
Connection material: CU-ETP
Surface: galvanically tinned
Insulation: PC halogenfree
Operation temperature up to 120°C
Max. 300 V

RoHS compliant · Halogen Free · c UL us E521264

Cable mm²	Colour	Order No.	Dimensions in mm				Weight kg / 100 pcs	PU
			d1	d4	l1	l2		
0,1-0,5	yellow	ICIQ05V	1,2	2	20	12	0,03	100
0,5-1	red	ICIQ1V	1,6	4,1	25	15	0,09	100
0,5-1	red	ICIQ1VGV	1,6	4,1	25	15	0,09	1000*
1,5-2,5	blue	ICIQ2V	2,3	4,5	26	15	0,11	100
1,5-2,5	blue	ICIQ2VGV	2,3	4,5	26	15	0,11	1000*
4,6	yellow	ICIQ6V	3,6	6,4	27	15	0,18	100

Insulated butt connectors with shrinkable PA insulation



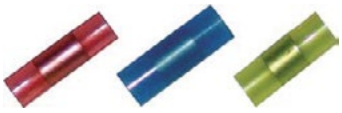


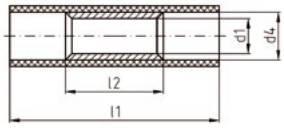
Application: For fine and extra fine stranded conductors
Connection material: CU-ETP
Surface: galvanically tinned
Insulation: PA
Shrinkable insulation T. 120°C
Max. 300 V

RoHS compliant · Halogen Free · c UL us E521264

Cable mm²	Colour	Order No.	Dimensions in mm				Weight kg / 100 pcs	PU
			d1	d4	l1	l2		
0,14-0,5	yellow	ICIQ05WSV	1,4	3,1	24,5	11,5	0,04	50
0,5-1	red	ICIQ1WSV	1,7	4,4	36	15	0,09	50
1,5-2,5	blue	ICIQ2WSV	2,3	5,2	36	15	0,11	50
4-6	yellow	ICIQ6WSV	3,6	6,5	41	15	0,18	20

Insulated parallel connectors





Application: For fine and extra fine stranded conductors
Connection material: CU-ETP
Surface: galvanically tinned
Insulation: PA halogenfree
Max. 300 V

RoHS compliant · Halogen Free

Cable mm²	Colour	Order No.	Dimensions in mm				Weight kg / 100 pcs	PU
			d1	d4	l1	l2		
0,1-0,5	yellow	ICIQ05PV	1,2	2	12	5	0,01	100
0,5-1	red	ICIQ1PV	1,7	3,2	17	7	0,04	100
1,5-2,5	blue	ICIQ2PV	2,3	4	17	7	0,05	100
4-6	yellow	ICIQ6PV	3,6	5,4	21,2	7	0,09	100

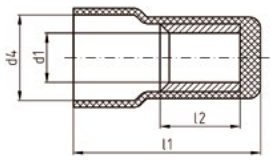


Tool selection:
see page 9, page 12, page 13

INSULATED CRIMPING TERMINALS

Insulated closed end connectors





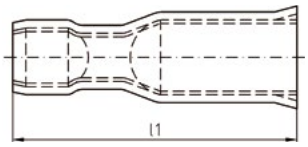
Application: For fine and extra fine stranded conductors
Connection material: CU-ETP
Surface: galvanically tinned
Insulation: PA halogenfree
Max. 300 V

RoHS compliant · Halogen Free · c UL us E521264

Cable mm²	Colour	Order No.	Dimensions in mm				Weight kg / 100 pcs	PU
			d1	d4	l1	l2		
0,5-1,5	transparent	ICIQ1EV	2,3	6	15,2	8,8	0,04	100
1,5-2,5	transparent blue	ICIQ2EV	2,3	6,4	15,4	8	0,05	100
4-6	transparent yellow	ICIQ6EV	3,4	9,2	17,7	8,5	0,09	100
10	transparent	ICIQ10EV	5	11,8	22	8	0,16	50

Insulated round female connectors





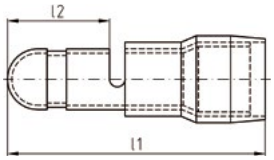
Application: For fine and extra fine stranded conductors
Connection material: Brass / copper
Surface: galvanically tinned
Insulation: PVC
Operation temperature up to 70°C
Max. 300 V

RoHS compliant · Halogen Free

Cable mm²	Colour	Order No.	Dimensions in mm		Weight kg / 100 pcs	PU
			Plug Ø	l1		
0,5-1		ICIQ1RSH	4	23,3	0,13	100
1,5-2,5		ICIQ2RSH	5	23,3	0,16	100
4-6		ICIQ6RSH	5	25,1	0,23	100

Insulated round plugs





Application: For fine and extra fine stranded conductors
Connection material: Brass / copper
Surface: galvanically tinned
Insulation: PVC or PC
Operation temperature up to 70°C (PVC) or 120°C (PC)
Max. 300 V

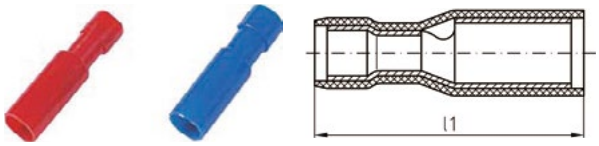
RoHS compliant · Halogen Free

Cable mm²	Colour	insul. PVC Order No.	insul. PC Order No.	Dimensions in mm			Weight kg / 100 pcs	PU
				Stecker Ø	l1	l2		
0,5-1		ICIQ1RST	ICIQ1RSTPC	4	21,5	8,5	0,09	100
1,5-2,5		ICIQ2RST	ICIQ2RSTPC	5	21,2	8,5	0,11	100
4-6		ICIQ6RST	ICIQ6RSTPC	5	24	8,5	0,17	100



Tool selection:
see page 9, page 12, page 13

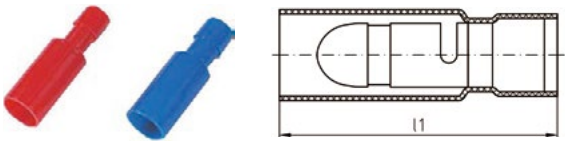
Fully insulated round female connectors



Application: For fine and extra fine stranded conductors
Connection material: Brass / copper
Surface: galvanically tinned
Insulation: PA halogenfree
Max. 300 V

Cable mm²	Colour	Order No.	Dimensions in mm		Weight kg / 100 pcs	PU
			Plug Ø	l1		
0,5-1		ICIQ1RSHVI	4	25,2	0,12	100
1,5-2,5		ICIQ2RSHVI	4	25,2	0,13	100

Fully insulated round plugs



Application: For fine and extra fine stranded conductors
Connection material: Brass / copper
Surface: galvanically tinned
Insulation: PA halogenfree
Max. 300 V

Cable mm²	Colour	Order No.	Dimensions in mm		Weight kg / 100 pcs	PU
			Plug Ø	l1		
0,5-1		ICIQ1RSTVI	4	27	0,13	100
1,5-2,5		ICIQ2RSTVI	4	27	0,15	100

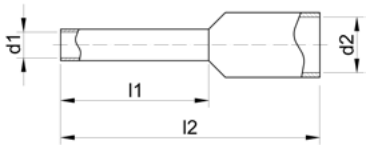


Tool selection:
see page 9, page 12, page 13

intercable TOOLS

CABLE END-SLEEVES





Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free

c UL us E520964

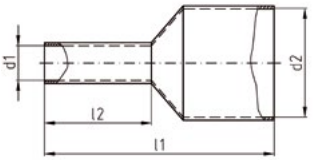
RoHS compliant

mm²	Color 1		Color 2		DIN 46228/4		d1	d2	l2	l1	PU
0,14		ICIAE0146		ICIAE0146BR			0,7	1,6	10	**6**	100
		ICIAE0148		ICIAE0148BR			0,7	1,6	12	**8**	100
0,25		ICIAE0256		ICIAE0256HGE			0,75	1,8	10	**6**	100
		ICIAE0258		ICIAE0258HGE			0,75	1,8	12	**8**	100
0,34		ICIAE0346		ICIAE0346HGRÜ			0,8	2,0	10	**6**	100
		ICIAE0348		ICIAE0348HGRÜ			0,8	2,0	12	**8**	100
0,5		ICIAE056OR*		ICIAE056*		ICIAE056*	1,0	2,6	12	**6**	100
		ICIAE058OR*		ICIAE058*		ICIAE058*	1,0	2,6	14	**8**	100
		ICIAE0510OR*		ICIAE0510*		ICIAE0510*	1,0	2,6	16	**10**	100
0,75		ICIAE0756WE*		ICIAE0756B*		ICIAE07506*	1,2	2,8	12	**6**	100
		ICIAE0758WE*		ICIAE0758B*		ICIAE07508*	1,2	2,8	14	**8**	100
		ICIAE07510WE*		ICIAE07510BL*		ICIAE07510*	1,2	2,8	16	**10**	100
		ICIAE07512WE*		ICIAE07512BL*		ICIAE07512*	1,2	2,8	18	**12**	100
1		ICIAE16GE*		ICIAE16*		ICIAE16*	1,4	3,0	12	**6**	100
		ICIAE18GE*		ICIAE18*		ICIAE18*	1,4	3,0	14	**8**	100
		ICIAE110GE*		ICIAE110*		ICIAE110*	1,4	3,0	16	**10**	100
		ICIAE112GE*		ICIAE112*		ICIAE112*	1,4	3,0	18	**12**	100
1,5		ICIAE158RO*		ICIAE158*		ICIAE158*	1,7	3,5	14	**8**	100
		ICIAE1510RO*		ICIAE1510*		ICIAE1510*	1,7	3,5	16	**10**	100
		ICIAE1512RO*		ICIAE1512*		ICIAE1512*	1,7	3,5	18	**12**	100
		ICIAE1518RO*		ICIAE1518*		ICIAE1518*	1,7	3,5	24	**18**	100
2,5		ICIAE28*		ICIAE28GR*		ICIAE28*	2,2	4,2	14	**8**	100
		ICIAE212*		ICIAE212GR*		ICIAE212*	2,2	4,2	18	**12**	100
		ICIAE218*		ICIAE218GR*		ICIAE218*	2,2	4,2	24	**18**	100
4		ICIAE410*		ICIAE410OR*		ICIAE410*	2,8	4,8	17	**10**	100
		ICIAE412*		ICIAE412OR*		ICIAE412*	2,8	4,8	20	**12**	100
		ICIAE418*		ICIAE418OR*		ICIAE418*	2,8	4,8	26	**18**	100
6		ICIAE612SCH*		ICIAE612GRÜ*		ICIAE612*	3,5	6,3	20	**12**	100
		ICIAE618SCH*		ICIAE618GRÜ*		ICIAE618*	3,5	6,3	26	**18**	100
10		ICIAE1012ELF*		ICIAE1012BR*		ICIAE1012*	4,5	7,6	22	**12**	100
		ICIAE1018ELF*		ICIAE1018BR*		ICIAE1018*	4,5	7,6	28	**18**	100
16		ICIAE1612GRÜ*		ICIAE1612ELF*		ICIAE1612*	5,8	8,8	24	**12**	100
		ICIAE1618GRÜ*		ICIAE1618ELF*		ICIAE1618*	5,8	8,8	28	**18**	100
25		ICIAE2516BR*		ICIAE2516SCH*		ICIAE2516*	7,3	11,2	30	**16**	50
		ICIAE2518BR*		ICIAE2518SCH*		ICIAE2518*	7,3	11,2	32	**18**	50
		ICIAE2522BR*		ICIAE2522SCH*		ICIAE2522*	7,3	11,2	36	**22**	50
35		ICIAE3516BE*				ICIAE3516*	8,3	12,7	30	**16**	50
		ICIAE3518BE*				ICIAE3518*	8,3	12,7	32	**18**	50
		ICIAE3525BE*				ICIAE3525*	8,3	12,7	39	**25**	50
50		ICIAE5020OL*				ICIAE5020*	10,3	15,0	36	**20**	50
		ICIAE5025OL*				ICIAE5025*	10,3	15,0	40	**25**	50
70		ICIAE7021					13,5	16,0	37	**21**	25
95		ICIAE9525					14,5	18,0	44	**25**	25
120		ICIAE12027					16,5	20,0	48	**27**	10
150		ICIAE15032					19,5	23,0	58	**32**	10

* UL certificated

Insulated end-sleeves for short-circuit-proof cables with wider collar





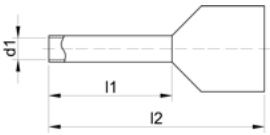
Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free

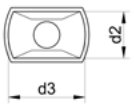
E520964

mm²	l mm	Color	Order No.	mm				kg (/1000)	Pack
				l1	l2	d1	d2		
1,5	**8**		ICIAE158K	17,5	8	1,8	7,5	0,08	100
	10		ICIAE1510K	19,5	10			0,10	100
2,5	**8**		ICIAE28K	17,5	8	2,3	8	0,09	100
	12		ICIAE212K	21,5	12			0,14	100
4	**10**		ICIAE410K	19,5	10	2,9	9,5	0,18	100
6	**12**		ICIAE612K	23	12	3,6	10	0,28	100
10	**12**		ICIAE1012K	24	12	4,6	11,5	0,39	100
16	**12**		ICIAE1612K	25,5	12	6	13,5	0,50	100

Insulated twin end-sleeves







Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free

E520964

mm²		Color 1		Color 2		DIN 46228/4		d1	d2	d3	l2	l1	PU
2 x	0,25		ICIAE0258Z					1,15	1,8	3,4	15	**8**	100
2 x	0,34		ICIAE0348Z					1,15	1,8	3,4	15	**8**	100
2 x	0,5		ICIAE058ZOR		ICIAE058Z		ICIAE058Z	1,4	2,5	4,7	15	**8**	100
2 x	0,75		ICIAE0756ZWE		ICIAE0756ZBL		ICIAE0756Z	1,8	2,8	5	13	**6**	100
			ICIAE0758ZWE		ICIAE0758ZBL		ICIAE0758Z	1,8	2,8	5	15	**8**	100
			ICIAE07510ZWE		ICIAE07510ZBL		ICIAE07510Z	1,8	2,8	5	17	**10**	100
2 x	1		ICIAE16ZGE		ICIAE16Z		ICIAE16Z	2	3,4	5,4	13	**6**	100
			ICIAE18ZGE		ICIAE18Z		ICIAE18Z	2	3,4	5,4	15	**8**	100
			ICIAE110ZGE		ICIAE110Z		ICIAE110Z	2	3,4	5,4	17	**10**	100
			ICIAE118ZGE		ICIAE118Z		ICIAE118Z	2	3,4	5,4	25	**18**	100
2 x	1,5		ICIAE158ZRO		ICIAE158Z		ICIAE158Z	2,3	3,6	6,6	16	**8**	100
			ICIAE1512ZRO		ICIAE1512Z		ICIAE1512Z	2,3	3,6	6,6	20	**12**	100
			ICIAE1518ZRO		ICIAE1518Z		ICIAE1518Z	2,3	3,6	6,6	26	**18**	100
2 x	2,5		ICIAE210Z		ICIAE210ZGR		ICIAE210Z	2,9	4,2	7,8	18,5	**10**	100
			ICIAE213Z		ICIAE213ZGR		ICIAE213Z	2,9	4,2	7,8	21,5	**13**	100
2 x	4		ICIAE412Z		ICIAE412ZOR		ICIAE412Z	3,7	4,9	8,8	23	**12**	100
2 x	6		ICIAE614ZSCH		ICIAE614ZGRÜ		ICIAE614Z	4,8	6,9	10	26	**14**	100
2 x	10		ICIAE1014ZELF		ICIAE1014ZBR		ICIAE1014Z	6,4	7,2	13	26	**14**	100
2 x	16		ICIAE1614ZGRÜ		ICIAE1614ZELF		ICIAE1614Z	8,2	9,6	18,4	30	**14**	50



Tool selection for end-sleeves:
see page 10, page 11, page 12, page 13



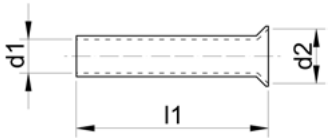


Crimping dies for end-sleeves:
page 100

CABLE END-SLEEVES

Uninsulated end-sleeves DIN 46228





Cu-ETP 99,9%, Sn / Copper tinned (DIN EN 13600)

DIN 46228 p. 1. (exc.: *)

c UL us E520964

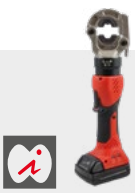
RoHS compliant

mm²	Order No.	mm			kg (/1000)	Pack
		l1	d1	d2		
0,14	ICAE0147	**7**	0,65		0,03	500
0,25	ICAE0255*	**5**	0,75		0,03	500
	ICAE0257*	**7**			0,04	500
0,34	ICAE0345*	**5**	0,85		0,03	500
	ICAE0347*	**7**			0,04	500
0,5	ICAE056	**6**	1,1	2,1	0,04	500
	ICAE058*	**8**			0,05	500
	ICAE0510	**10**			0,06	500
0,75	ICAE0756	**6**	1,3	2,3	0,04	500
	ICAE0758	**8**			0,05	500
	ICAE07510	**10**			0,07	500
1	ICAE16	**6**	1,5	2,5	0,05	500
	ICAE18*	**8**			0,06	500
	ICAE110	**10**			0,08	500
1,5	ICAE157	**7**	1,9	2,8	0,07	500
	ICAE1510	**10**			0,10	500
	ICAE1512	**12**			0,11	500
	ICAE1515*	**15**			0,15	500
2,5	ICAE27	**7**	2,3	3,4	0,08	500
	ICAE210	**10**			0,10	500
	ICAE212	**12**			0,14	500
	ICAE215*	**15**			0,18	500
	ICAE218	**18**			0,21	500
4	ICAE49	**9**	2,9	4,0	0,17	100
	ICAE412	**12**			0,22	100
	ICAE418	**18**			0,34	100
6	ICAE610	**10**	3,5	4,7	0,23	100
	ICAE612	**12**			0,28	100
	ICAE615	**15**			0,36	100
	ICAE618	**18**			0,41	100



Tool selection for end-sleeves:
see page 10, page 11, page 12, page 13

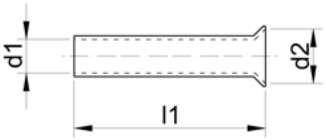




Crimping dies for end-sleeves:
page 100

Uninsulated end-sleeves DIN 46228





Cu-ETP 99,9%, Sn / Copper tinned (DIN EN 13600)

DIN 46228 p. 1. (exc.: *)

c UL us E520964

RoHS compliant

mm²	Order No.	mm			kg (/1000)	Pack
		l1	d1	d2		
10	ICAE1010*	**10**	4,6	5,8	0,30	100
	ICAE1012	**12**			0,39	100
	ICAE1015	**15**			0,45	100
	ICAE1018	**18**			0,58	100
16	ICAE1612	**12**	6	7,5	0,50	100
	ICAE1615	**15**			0,56	100
	ICAE1618	**18**			0,74	100
	ICAE1625	**25**			1,00	100
	ICAE1632	**32**			1,24	100
25	ICAE2512*	**12**	7,5	9,5	0,61	50
	ICAE2515	**15**			0,93	50
	ICAE2518	**18**			0,93	50
	ICAE2525	**25**			1,26	50
	ICAE2532	**32**			1,55	50
35	ICAE3518	**18**	8,5	11,0	1,04	50
	ICAE3525	**25**			1,38	50
	ICAE3532	**32**			1,99	50
50	ICAE5018	**18**	10,5		1,94	50
	ICAE5022*	**22**			2,31	50
	ICAE5025	**25**			2,59	50
	ICAE5032	**32**			3,02	50
70	ICAE7025*	**25**	12,7		3,68	25
	ICAE7032*	**32**			4,85	25
95	ICAE9525*	**25**	14,7		4,24	25
	ICAE9532*	**32**			5,30	25
120	ICAE12032*	**32**	16,7		7,87	10
	ICAE12040*	**40**			10,11	10
150	ICAE15032*	**32**	18,7		8,89	10
	ICAE15040*	**40**			10,70	10
185	ICAE18540*	**40**	20,2		14,37	10
240	ICAE24034*	**34**	23,1		13,04	10
	ICAE24040*	**40**			15,34	10



Tool selection for end-sleeves:
see page 10, page 11, page 12, page 13

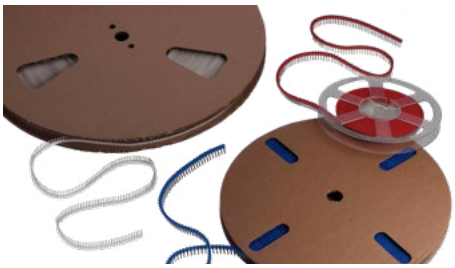


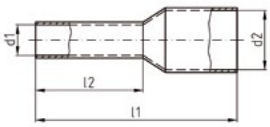


Crimping dies for end-sleeves:
page 100

CABLE END-SLEEVES

Insulated end-sleeves on reels





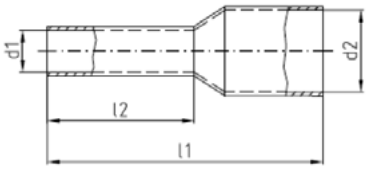
Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free

RoHS compliant

mm²	Color	Order No. Reel Ø 18 cm	Qtty / Reel	Order No. Reel Ø 32 cm	Qtty / Reel	Order No. Reel Ø 45 cm	Qtty / Reel	d1	d2	l1	l2
0,5		TPD0508BL	1.000	TPD0508BM	4.000	TPD0508BL	10.000	1,0	2,6	14,0	8,0
0,75		TPD7508BL	1.000	TPD7508BM	4.000	TPD7508BL	10.000	1,2	2,8	14,0	8,0
1		TPD0108BL	800	TPD0108BM	3.500	TPD0108BL	7.500	1,4	3,0	14,0	8,0
1,5		TPD1508BL	800	TPD1508BM	3.500	TPD1508BL	7.500	1,7	3,5	14,0	8,0
2,5		TPD2508BL	500	TPD2508BM	2.500	TPD2508BL	5.000	2,2	4,2	14,0	8,0

Insulated end-sleeves on strips





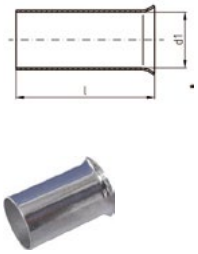
Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free

DIN 46228 p. 4.

RoHS compliant

mm²	l mm	Color DIN Order No.		Color 1 Order No.		mm				kg (/1000)	Pack
						l1	l2	d1	d2		
0,5	8		ICIAE058STF		ICIAE058ORSTF	14	8	1	2,6	0,05	500
0,75	8		ICIAE0758STF		ICIAE0758WESTF	14	8	1,2	2,8	0,05	500
1	8		ICIAE18STF		ICIAE18GESTF	14	8	1,4	3	0,06	500
1,5	8		ICIAE158STF		ICIAE158ROSTF	14	8	1,7	3,5	0,08	500
2,5	8		ICIAE28STF		ICIAE28STF	14	8	2,2	4,2	0,09	500



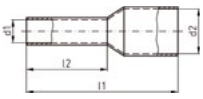


SETAE2 - box kit of uninsulated end-sleeves 0,5 - 2,5 mm²

Pcs	Cross-section	Dimensions in mm		Articles in the box
		l	d1	
300	0,5 mm²	6	1,1	ICAE056
300	0,75 mm²	6	1,3	ICAE0756
300	1 mm²	6	1,5	ICAE16
300	1,5 mm²	7	1,9	ICAE157
200	2,5 mm²	7	2,3	ICAE27

Order No.: **SETAE2** 0,12 kg





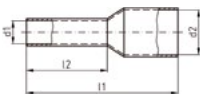


SETIAE2 - box kit of insulated end-sleeves 0,5 - 2,5 mm²

Pcs	Cross-section	Dimensions in mm				Articles in the box
		l1	l2	d1	d2	
50	0,5 mm²	14	8	1	2,6	ICIAE058
100	0,75 mm²	14	8	1,2	2,8	ICIAE0758
100	1 mm²	14	8	1,4	3	ICIAE18
100	1,5 mm²	14	8	1,7	3,5	ICIAE158
50	2,5 mm²	14	8	2,2	4,2	ICIAE28

Order No.: **SETIAE2** 0,10 kg





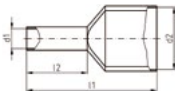


SETIAE16 - box kit of insulated end-sleeves 4 - 16 mm²

Pcs	Cross-section	Dimensions in mm				Articles in the box
		l1	l2	d1	d2	
50	4 mm²	17	12	2,8	4,8	ICIAE410
20	6 mm²	20	12	3,5	6,3	ICIAE612
20	10 mm²	22	12	4,5	7,6	ICIAE1012
10	16 mm²	24	12	5,8	8,8	ICIAE1612

Order No.: **SETIAE16** 0,10 kg







SETIAE2Z - box kit of insulated end-sleeves twin 0,75 - 2,5 mm²

Pcs	Cross-section	Dimensions in mm				Articles in the box
		l1	l2	d1	d2	
50	0,75 mm²	15	8	1,8	2,8/5,0	ICIAE0758Z
50	1 mm²	15	8	2	3,4/5,4	ICIAE18Z
50	1,5 mm²	16	8	2,3	3,6/6,6	ICIAE158Z
50	2,5 mm²	18,5	10	2,9	4,2/7,8	ICIAE210Z

Order No.: **SETIA2Z** 0,09 kg

CABLE END-SLEEVES RELATED CRIMPING DIES

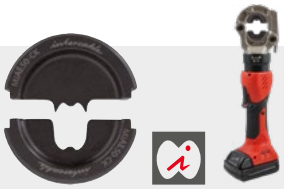
	TOOL SERIES 50 50 kN, 10 - 240 mm²	TOOL SERIES 60-1, 60-3 60 kN, 10 - 240 mm²	TOOL SERIES 60-2 60 kN, 10 - 300 mm²	TOOL SERIES 130 130 kN, 10 - 400 mm²
hand-mechanic (page 15)		 MP60-1  MP60-3	 MP60-2	
hydraulic head (page 24)		 PP60-1	 PP60-2	 PP130-C  PP130-C2  PP130-H
hand-hydraulic (page 18)	 HP50	 HP60-3	 HP60-4	 HPI130-C HPI130-C2 HPI130-H
accu-hydraulic (page 20)	 STILO50	 AP60-1	 STILO60  AP60-2	 AP130-C AP130-C2 AP130-H



	CRIMPING DIES SERIES 50, 60-1, 60-3				CRIMPING DIES SERIES 60-2				CRIMPING DIES SERIES 130	
										
mm²	Crimping width	Order No.	Crimping width	Order No.	Crimping width	Order No.	Crimping width	Order No.	Crimping width	Order No.
10	20 mm	MTT10-50	18 mm	U5-T10	20 mm	MTT10-CK	18 mm	MIAE10-CK		
16	20 mm	MTT16-50	18 mm	U5-T16	20 mm	MTT16-CK	18 mm	MIAE16-CK	20 mm	MTT16-C
25	20 mm	MTT25-50	18 mm	U5-T25	20 mm	MTT25-CK	18 mm	MIAE25-CK	20 mm	MTT25-C
35	20 mm	MTT35-50	18 mm	U5-T35	20 mm	MTT35-CK	18 mm	MIAE35-CK	20 mm	MTT35-C
50	20 mm	MTT50-50	18 mm	U5-T50	20 mm	MTT50-CK	18 mm	MIAE50-CK	26 mm	MTT50-C
70	20 mm	MTT70-50	18 mm	U5-T70	20 mm	MTT70-CK	18 mm	MIAE70-CK	26 mm	MTT70-C
95	20 mm	MTT95-50	18 mm	U5-T95	20 mm	MTT95-CK	18 mm	MIAE95-CK	26 mm	MTT95-C
120			18 mm	U5-T120	20 mm	MTT120-CK	18 mm	MIAE120-CK	26 mm	MTT120-C
150					20 mm	MTT150-CK	18 mm	MIAE150-CK	26 mm	MTT150-C
185					20 mm	MTT185-CK	18 mm	MIAE185-CK	26 mm	MTT185-C
240					20 mm	MTT240-CK	18 mm	MIAE240-CK	28 mm	MTT240-C



Hand tool selection for end-sleeves:
see page 10, page 11, page 12, page 13



CRIMPING DIES FOR CU DIN 46234, 46230, 46341 AND NI, STEEL TERMINALS

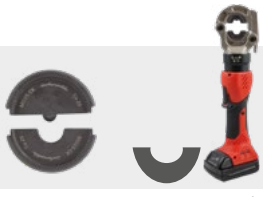
	TOOL SERIES 50 50 kN, 10 - 240 mm²	TOOL SERIES 60-1, 60-3 60 kN, 10 - 240 mm²	TOOL SERIES 60-2 60 kN, 10 - 300 mm²	TOOL SERIES 130 130 kN, 10 - 400 mm²
hand-mechanic page 15		 MP60-1  MP60-3	 MP60-2	
hydraulic head page 24		 PP60-1	 PP60-2	 PP130-C  PP130-C2  PP130-H
hand-hydraulic page 18	 HP50	 HP60-3	 HP60-4	 HPI130-C HPI130-C2 HPI130-H
accu-hydraulic page 20	 STILO50	 AP60-1	 STILO60  AP60-2	 AP130-C AP130-C2 AP130-H



	CRIMPING DIES SERIES 50, 60-1, 60-3	CRIMPING DIES SERIES 60-2	CRIMPING DIES SERIES 130
			
mm²	Order No.	Order No.	Order No.
10	MD10-50	MD10-CK	MD10-C
16	MD16-50	MD16-CK	MD16-C
25	MD25-50	MD25-CK	MD25-C
35	MD35-50	MD35-CK	MD35-C
50	MD50-50	MD50-CK	MD50-C
70	MD70-50	MD70-CK	MD70-C
95	MD95-50	W91738	MD95-C
120		W91739	MD120-C
150			MD150-C



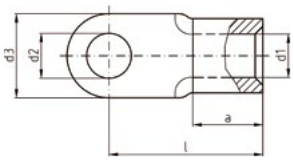
Hand tool selection for the ICQ DIN connectors:
see page 9, page 13



UNINSULATED CRIMPING TERMINALS

Uninsulated copper sheet cable lugs DIN 46234





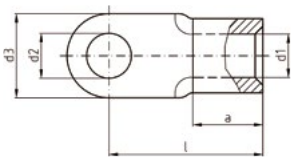
Application: For multi-, fine- and extra-fine-stranded conductors
Material: Cu-HCP
Surface: galvanically tinned
Cable cross-section: 0,5 - 240 mm²

Cable mm²	Screw M	Order No.	Dimensions in mm					Weight kg / 100 pcs	PU
			d1	d2	d3	l	a		
0,5-1	2	ICQ12*	1,6	2,2	6	11	5	0,06	100
	2,5	ICQ125		2,7	6	11		0,06	100
	3	ICQ13		3,2	6	11		0,06	100
	3,5	ICQ135		3,7	6	11		0,06	100
	4	ICQ14		4,3	8	12		0,07	100
	5	ICQ15		5,3	10	13		0,08	100
	6	ICQ16*		6,5	10	13		0,08	100
	8	ICQ18*		8,4	12	17		0,10	100
	10	ICQ110*		10,5	14	17		0,10	100
1,5-2,5	3	ICQ23	2,3	3,2	6	11	5	0,07	100
	3,5	ICQ235		3,7	6	11		0,06	100
	4	ICQ24		4,3	8	12		0,08	100
	5	ICQ25		5,3	10	14		0,10	100
	6	ICQ26		6,5	11	16		0,11	100
	8	ICQ28		8,4	14	17		0,14	100
	10	ICQ210*		10,5	18	20		0,19	100
	12	ICQ212*		13	18	20		0,16	100
4-6	4	ICQ64	3,6	4,3	8	14	6	0,14	100
	5	ICQ65		5,3	10	15		0,16	100
	6	ICQ66		6,5	11	16		0,17	100
	8	ICQ68		8,4	14	19		0,22	100
	10	ICQ610		10,5	18	21		0,27	100
	12	ICQ612*		13	18	21		0,24	100
10	4	ICQ104*	4,5	4,3	10	16	8	0,23	100
	5	ICQ105		5,3	10	16		0,23	100
	6	ICQ106		6,5	11	17		0,24	100
	8	ICQ108		8,4	14	20		0,30	100
	10	ICQ1010		10,5	18	21		0,35	100
	12	ICQ1012		13	22	23		0,41	100
16	5	ICQ165	5,8	5,3	11	20	10	0,40	100
	6	ICQ166		6,5	11	20		0,38	100
	8	ICQ168		8,4	14	22		0,43	100
	10	ICQ1610		10,5	18	24		0,50	100
	12	ICQ1612		13	22	26		0,59	100
25	5	ICQ255	7,5	5,3	12	25	11	0,71	100
	6	ICQ256		6,5	12	25		0,69	100
	8	ICQ258		8,4	16	25		0,76	100
	10	ICQ2510		10,5	18	26		0,79	100
	12	ICQ2512		13	22	31		0,97	100
	16	ICQ2516		17	28	35		1,20	100
35	6	ICQ356	9	6,5	15	26	12	0,97	50
	8	ICQ358		8,4	16	26		0,97	50
	10	ICQ3510		10,5	18	27		1,01	50
	12	ICQ3512		13	22	31		1,17	50
	16	ICQ3516		17	28	36		1,41	50
	20	ICQ3520*		21	30	37,5	14	1,68	50

* = not part of DIN 46234

Uninsulated copper sheet cable lugs DIN 46234





Application: For multi-, fine- and extra-fine-stranded conductors
Material: Cu-HCP
Surface: galvanically tinned
Cable cross-section: 0,5 - 240 mm²

Cable mm²	Screw M	Order No.	Dimensions in mm					Weight kg / 100 pcs	PU
			d1	d2	d3	l	a		
50	6	ICQ506	11	6,5	18	34	16	1,76	50
	8	ICQ508		8,4	18	34		1,71	50
	10	ICQ5010		10,5	18	34		1,74	50
	12	ICQ5012		13	22	36		1,80	50
	16	ICQ5016		17	28	40		2,19	50
	20	ICQ5020*		21	32	41,2	18	2,57	50
70	6	ICQ706	13	6,5	22	38	18	2,58	50
	8	ICQ708		8,4	22	38		2,63	50
	10	ICQ7010		10,5	22	38		2,55	50
	12	ICQ7012		13	22	38		2,58	50
	16	ICQ7016		17	28	42		2,68	50
	20	ICQ7020*		21	32	45	19	3,06	50
95	8	ICQ958	15	8,4	24	42	20	4,09	50
	10	ICQ9510		10,5	24	42		4,22	50
	12	ICQ9512		13	24	42		3,92	50
	16	ICQ9516		17	28	44		3,94	50
120	8	ICQ1208	16,5	8,4	24	44	22	5,63	50
	10	ICQ12010		10,5	24	44		5,56	50
	12	ICQ12012		13	24	44		5,33	50
	16	ICQ12016		17	28	48		5,67	50
	20	ICQ12020*		21	32	53	21	5,60	50
150	10	ICQ15010	19	10,5	30	50	24	8,02	25
	12	ICQ15012		13	30	50		7,84	25
	16	ICQ15016		17	30	50		7,56	25
	20	ICQ15020*		21	36	63	27	7,35	25
185	10	ICQ18510	21	10,5	36	50	28	10,60	25
	12	ICQ18512		13	36	50		10,78	25
	16	ICQ18516		17	36	50		10,61	25
	20	ICQ18520*		21	36	50		10,17	25
240	10	ICQ24010	23,5	10,5	38	56	32	15,01	25
	12	ICQ24012		13	38	56		14,98	25
	16	ICQ24016		17	38	56		14,53	25



Tool selection for the ICQ DIN connectors:
see page 9, page 13



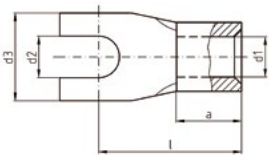


Crimping dies for ICQ DIN connectors:
page 101

UNINSULATED CRIMPING TERMINALS

Uninsulated copper sheet cable terminals DIN 46234, fork form



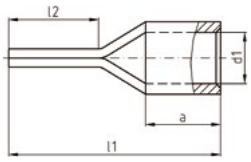


Application: For multi-, fine- and extra-fine-stranded conductors
Material: Cu-HCP
Surface: galvanically tinned
Cable cross-section: 0,5 - 16 mm²

Cable mm²	Screw M	Order No.	Dimensions in mm					Weight kg / 100 pcs	VE
			d1	d2	d3	l	a		
0,5-1	3	ICQ13G	1,6	3,2	6	11	5	0,06	100
	3,5	ICQ135G		3,7	6	11		0,05	100
	4	ICQ14G		4,3	8	12		0,07	100
	5	ICQ15G		5,3	10	13		0,08	100
	6	ICQ16G		6,5	12	17		0,09	100
1,5-2,5	3	ICQ23G	2,3	3,2	6	11	5	0,06	100
	3,5	ICQ235G		3,7	6,8	11		0,07	100
	4	ICQ24G		4,3	8	12		0,08	100
	5	ICQ25G		5,3	10	14		0,10	100
	6	ICQ26G		6,5	11	16		0,12	100
4-6	4	ICQ64G	3,6	4,3	8	14	6	0,14	100
	5	ICQ65G		5,3	10	15		0,16	100
	6	ICQ66G		6,5	11	16		0,17	100
	8	ICQ68G		8,4	14	19		0,25	100
10	5	ICQ105G	4,5	5,3	10	16	8	0,23	100
	6	ICQ106G		6,5	11	17		0,24	100
16	6	ICQ166G	5,8	6,5	11	20	10	0,50	50
	8	ICQ168G		8,4	14	22		0,50	50

Uninsulated pin terminals DIN 46230





Application: For multi-, fine- and extra-fine-stranded conductors
Material: Cu-HCP
Surface: galvanically tinned
Cable cross-section: 0,5 - 95 mm²

Cable mm²	Order No.	Dimensions in mm					Weight kg / 100 pcs	VE
		d1	l1	l2	a	ø Stift		
0,5-1	ICQ1ST	1,6	17	10	5	1,9	0,06	100
1,5-2,5	ICQ2ST	2,3	17	10	5	1,9	0,07	100
4-6	ICQ6ST	3,6	20	11	6	2,6	0,15	100
10	ICQ10ST	4,5	22	12	8	2,3 x 4,2	0,25	100
16	ICQ16ST	5,8	26	13	10	2,5 x 5,6	0,43	100
25	ICQ25ST*	7	34,1	16	14	2,5 x 6,9	0,69	50
35	ICQ35ST*	8,4	41	20	16	3,2 x 8,1	1,19	50
50	ICQ50ST*	9,5	45,7	21	19	3,7 x 9,5	1,89	50
70	ICQ70ST*	11,2	55	24	24	4 x 11	3,01	50
95	ICQ95ST*	13,5	55,5	22	24	5,1 x 12,3	4,25	50



Tool selection for the ICQ DIN connectors:
see page 9, page 13

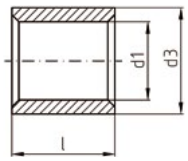




Crimping dies for ICQ DIN connectors:
page 101

Parallel connectors DIN 46341 part 1, Form A



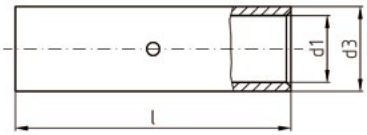


Application: For multi-, fine- and extra-fine-stranded conductors
Material: Cu-HCP
Surface: galvanically tinned
Cable cross-section: 0,5 - 150 mm²

Cable mm²	Order No.	Dimensions in mm			Weight kg / 100 pcs	VE
		l	d1	d3		
0,5-1	ICQ1PV	7	1,6	3,3	0,04	100
1,5-2,5	ICQ2PV	7	2,3	4	0,05	100
4-6	ICQ6PV	7	3,6	5,7	0,09	100
10	ICQ10PV	9	4,6	6,8	0,15	100
16	ICQ16PV	10	5,9	8,3	0,23	100
25	ICQ25PV	12,5	7,7	10,7	0,53	100
35	ICQ35PV	14	9,2	12,4	0,74	100
50	ICQ50PV	17,5	11,2	14,8	1,26	100
70	ICQ70PV	18	13,5	17,5	1,66	100
95	ICQ95PV	19	15	20	2,45	50
120	ICQ120PV	21	16,7	22,7	3,77	50
150	ICQ150PV	25	19	25,5	5,03	50

Parallel connectors DIN 46341 part 1, Form B





Application: For multi-, fine- and extra-fine-stranded conductors
Material: Cu-HCP
Surface: galvanically tinned
Cable cross-section: 0,5 - 150 mm²

Cable mm²	Order No.	Dimensions in mm			Weight kg / 100 pcs	VE
		l	d1	d3		
0,5-1	ICQ1PVL	15	1,6	3,3	0,09	100
1,5-2,5	ICQ2PVL	15	2,3	4	0,11	100
4-6	ICQ6PVL	15	3,6	5,7	0,18	100
10	ICQ10PVL	20	4,6	6,8	0,36	100
16	ICQ16PVL	26	5,9	8,3	0,61	100
25	ICQ25PVL	29	7,7	10,7	1,13	100
35	ICQ35PVL	32	9,2	12,4	1,55	50
50	ICQ50PVL	38	11,2	14,8	2,44	50
70	ICQ70PVL	42	13,5	17,5	3,73	50
95	ICQ95PVL	48	15	20	6,08	50
120	ICQ120PVL	52	16,7	22,7	8,67	50
150	ICQ150PVL	56	19	25,5	11,25	25

* = not part of DIN 46234



Tool selection for the ICQ DIN connectors:
see page 9, page 13



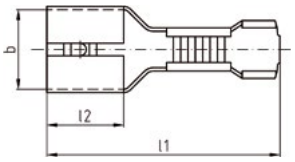


Crimping dies for ICQ DIN connectors:
page 101

UNINSULATED CRIMPING TERMINALS

Female disconnectors with open barrel DIN 46247



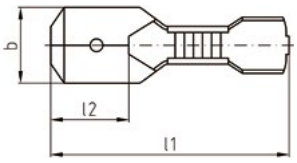


Application: For fine and extra fine stranded conductors
Material: Brass or Steel
Surface: galvanically tinned
Cable cross-section: 0,5 - 6 mm²

Cable mm²	Brass Order No.	Plug width mm	Plug thick. mm	Dimensions in mm		Weight kg / 100 pcs	PU	Ni-plated steel Order No.
				l1	l2			
0,5-1	ICC125FH	2,8	0,5	14,6	6,2	0,03	100	-
	ICC128FH	2,8	0,8	14,6	6,2	0,03	100	-
	ICC145FH	4,8	0,5	15,6	6,4	0,05	100	-
	ICC148FH	4,8	0,8	15,6	6,4	0,05	100	-
	ICC168FH	6,3	0,8	19,7	7,7	0,09	100	ICC168FHSV
1,5-2,5	ICC248FH	4,8	0,8	15,9	6,6	0,05	100	-
	ICC268FH	6,3	0,8	19,7	7,7	0,09	100	ICC268FHSV
4-6	ICC668FH	6,3	0,8	19,8	7,7	0,10	100	ICC668FHSV

Plugs for female disconnectors with open barrel DIN 46248



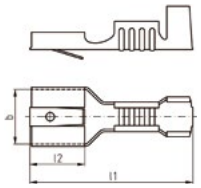


Application: For fine and extra fine stranded conductors
Material: Brass
Surface: galvanically tinned
Cable cross-section: 0,5 - 2,5 mm²

Cable mm²	Order No.	Plug width mm	Plug thick. mm	Dimensions in mm		Weight kg / 100 pcs	PU
				l1	l2		
0,5-1	ICC168FS	6,3	0,8	20,5	9,3	0,06	100
1,5-2,5	ICC268FS	6,3	0,8	20,7	8	0,07	100

Female disconnectors with open barrel DIN 46340, with locking hook





Application: For fine and extra fine stranded conductors
Material: Brass
Surface: galvanically tinned
Cable cross-section: 0,5 - 6 mm²

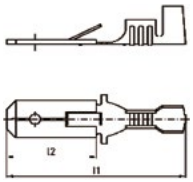
Cable mm²	Order No.	Plug width mm	Plug thick. mm	Dimensions in mm		Weight kg / 100 pcs	PU
				l1	l2		
0,5-1	ICC168FHR	6,3	0,8	20	7,6	0,07	100
1,5-2,5	ICC268FHR	6,3	0,8	20	7,6	0,08	100
4-6	ICC668FHR	6,3	0,8	19,38	7,7	0,08	100



Tool selection for the open barrel connectors:
see page 9, page 13

Plugs for female disconnectors DIN 46343, with locking hook





Application: For fine and extra fine stranded conductors
Material: Brass
Surface: galvanically tinned
Cable cross-section: 0,5 - 6 mm²

Cable mm²	Order No.	Plug width mm	Plug thick. mm	Dimensions in mm		Weight kg / 100 pcs	PU
				l1	l2		
0,5-1	ICC168FSR	6,3	0,8	28	15	0,09	100
1,5-2,5	ICC268FSR	6,3	0,8	28	15	0,09	100
4-6	ICC668FSR	6,3	0,8	28,7	15,4	0,10	100

Insulation houses



Application: for housing uninsulated crimping terminals
Colour: natur
Cable cross-section: 0,5 - 6 mm²

Type	Order No.	Plug width mm	for cable mm²	Material	Weight kg / 100 pcs	PU
1	ICC12IH	2,8	0,5-1	Polyamid 6.6	0,03	100
2	ICC24IH	4,8	0,5-2,5	Polyamid 6.6	0,04	100
3	ICC26IH	6,3	0,5-2,5	Polyethylen	0,04	100
4	ICC66IH	6,3	0,5-6	Polyamid 6.6	0,06	100

Branching plugs



Application: For fine and extra fine stranded conductors
Material: Brass
Surface: galvanically tinned
Plug size: 6,3 x 0,8 mm
Cable cross-section: 0,5 - 2,5 mm²

Type	Cable mm²	Order No.	Weight kg / 100 pcs	PU
1	**0,5-1**	ICC1FHA	0,11	100
1	**1,5-2,5**	ICC2FHA	0,12	100
2	**-**	ICC68FHAII	0,12	100
3	**-**	ICC68FHAIII	0,14	100

UNINSULATED CRIMPING TERMINALS

Flat plugs



Material: Brass
Surface: galvanically tinned

Type	Order No.	Plug width mm	Plug thick. mm	Hole ø mm	Weight kg / 100 pcs	PU
1	ICC68FSI	6,3	0,8	4,2	0,09	100
2	ICC68FSIIL4	6,3	0,8	4,2	0,09	100
2	ICC68FSIIL5	6,3	0,8	5,2	0,08	100
3	ICC68FSIII	6,3	0,8	4,2	0,09	100
5	ICC68FSVL4	6,3	0,8	4,3	0,14	100
5	ICC68FSVL6	6,3	0,8	6,2	0,16	100
6	ICC68FSVI	6,3	0,8	4,3	0,14	100
7	ICC28FSVII	2,8	0,8	-	0,04	100
7	ICC68FSVII	6,3	0,8	-	0,09	100
8	ICC68FSVIII	6,3	0,8	-	0,05	100

Flat plug couplings

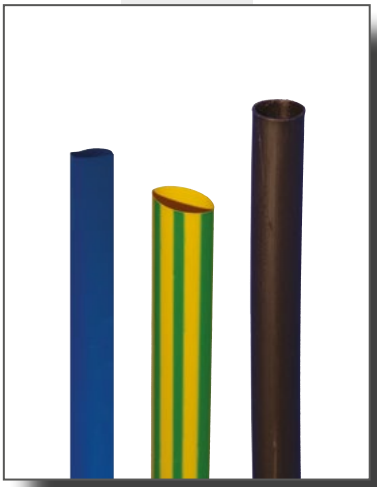


Material: Brass, Isolation
Colour: transparent
Size: 6,3 x 0,8 mm

Type	Order No.	No. of poles	Plug width	Plug thick.	Width b mm	Insulation	Flat plug surface	Weight kg / 100 pcs	PU
1	ICC168FSK	1	6,3	0,8	27,8	soft-PVC	tinned	0,25	100
2	ICC1268FSK	12	6,3	0,8	25,8	soft-PVC	tinned	2,80	10
3	ICC168FSA	1/2	6,3	0,8	54,0	soft-PVC	tinned	0,66	20



Cable Glands

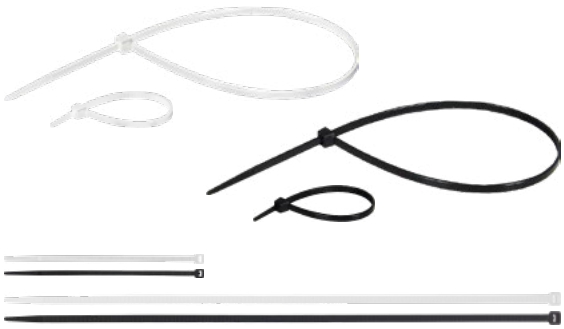


Shrinking Tubes



Terminal Blocks

POLYAMIDE PA6.6 CABLE TIES / I



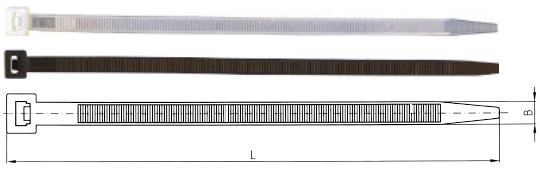
Material: Polyamide PA6.6
Self extinguishing: UL94-V2
Operating temperature: -40°C ÷ + 85°C
Installation temperature: -10°C

Good resistance to oils and greases, solvents, petroleum products.

UL LISTED E486813 · CE · RoHS compliant · Halogen Free · PAH Free

Natural Color	Black Color	Width	Length	Max. Bundle Ø	Tensile str.	PU
Order No.	Order No.	[mm]	[mm]	[mm]	[kg]	
CTB2580	CTN2580	2,5	80	14,0	8	5.000/50.000
CTB2510	CTN2510	2,5	100	20,5	8	5.000/50.000
CTB2512	CTN2512	2,5	120	27,0	8	5.000/25.000
CTB2516	CTN2516	2,5	160	39,8	8	5.000/25.000
CTB2520	CTN2520	2,5	200	52,5	8	2.500/25.000
CTB3614	CTN3614	3,6	140	33,0	18	2.500/25.000
CTB3620	CTN3620	3,6	200	52,5	18	2.500/20.000
CTB3628	CTN3628	3,6	280	78,0	18	2.500/10.000
CTB3637	CTN3637	3,6	370	106,0	18	2.000/10.000
CTB4612	CTN4612	4,6	120	23,8	22	2.500/20.000
CTB4616	CTN4616	4,6	160	36,6	22	2.000/10.000
CTB4819	CTN4819	4,8	190	46,0	22	2.000/10.000
CTB4820	CTN4820	4,8	200	49,5	22	2.000/10.000
CTB4825	CTN4825	4,8	250	65,0	22	1.500/10.500
CTB4830	CTN4830	4,8	300	81,0	22	1.500/10.500
CTB4836	CTN4836	4,6	360	100,0	22	1.000/5.000
CTB4839	CTN4839	4,8	390	110,0	22	1.000/5.000
CTB4843	CTN4843	4,8	430	122,5	22	1.000/5.000
CTB7615	CTN7615	7,6	150	35,0	55	1.000/5.000
CTB7620	CTN7620	7,6	200	50,9	55	1.000/5.000
CTB7630	CTN7630	7,6	300	82,8	55	1.000/5.000
CTB7637	CTN7637	7,6	370	103,5	55	500/5.000
CTB7645	CTN7645	7,6	450	130,5	55	100/2.500
CTB7675	CTN7675	7,6	750	226,0	55	100/1.000
CTB9045	CTN9045	9,0	450	130,5	80	100/2.500
CTB9055	CTN9055	9,0	550	163,5	80	100/1.000
CTB9071	CTN9071	9,0	710	213,3	80	100/1.000
CTB9078	CTN9078	9,0	780	235,5	80	100/1.000
CTB9081	CTN9081	9,0	810	245,0	80	100/1.000
CTB9010	CTN9010	9,0	1020	312,0	80	100/500
CTB9012	CTN9012	9,0	1220	340,0	80	100/500
CTB9015	CTN9015	9,0	1530	474,5	80	100/500

POLYAMIDE PA6.6 CABLE TIES / II

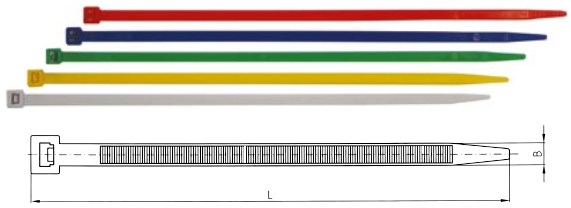


Material: Polyamide 6.6
Colour: natur or black
Halogenfree
Operating temperature: -40° C to + 85° C

Length mm	Width mm	Natural Order No.	Black Order No.	Max. Bundle Ø mm	Tensile str. Newton	Weight kg / 100 pcs	PU
100	2,5	ICC61051	ICC61151	24	100	0,29	100
135		ICC61053	ICC61153	35		0,44	100
200		ICC61057	ICC61157	55		0,61	100
140	3,5	ICC61059	ICC61159	36	190	0,63	100
200		ICC61062	ICC61162	55		0,87	100
280		ICC61065	ICC61165	80		1,31	100
360		ICC61068	ICC61168	103		1,83	100
160	4,5	ICC61071	ICC61171	38	270	1,08	100
180		ICC61073	ICC61173	45		1,15	100
200		ICC61075	ICC61175	51		1,34	100
250		ICC61077	ICC61177	68		1,69	100
280		ICC61080	ICC61180	76		1,83	100
360		ICC61083	ICC61183	101		2,23	100
430		ICC61086	ICC61186	123		2,94	100
180	7,5	ICC61090	ICC61190	44	630	3,00	100
240		ICC61091	ICC61191	62		3,54	100
320		ICC61095	ICC61195	88		4,16	100
360		ICC61098	ICC61198	101		5,62	100
450		ICC61101	ICC61201	130		7,13	100
540		ICC61104	ICC61204	160		8,23	100
750		ICC61106	ICC61206	220		11,80	100
780	9,0	ICC61110	ICC61210	235	780	15,61	100
500	12,5	ICC61116	ICC61216	140	1170	14,18	50
750		ICC61119	ICC61219	222		20,31	50
1000		ICC61122	ICC61222	300		27,58	50

CABLE TIES

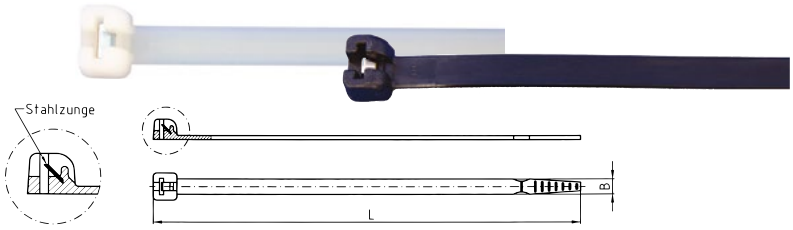
POLYAMIDE PA6.6 CABLE TIES / COLOURED



Material: Polyamide 6.6
Colour: red, blue, green, yellow, grey
Halogenfree
Operating temperature: -40° C to + 85° C

Length mm	Width mm	Colour	Order No.	Max. Bundle Ø mm	Tensile str. Newton	Weight kg / 100 pcs	PU
100	2,5	red	ICC61602	24	100	0,29	100
		blue	ICC61604			0,29	100
		green	ICC61606			0,29	100
		yellow	ICC61608			0,29	100
		grey	ICC61610			0,29	100
140	3,5	red	ICC61612	36	190	0,63	100
		blue	ICC61614			0,63	100
		green	ICC61616			0,63	100
		yellow	ICC61618			0,63	100
		grey	ICC61620			0,63	100
200	4,5	red	ICC61622	51	270	1,28	100
		blue	ICC61624			1,28	100
		green	ICC61626			1,28	100
		yellow	ICC61628			1,28	100
		grey	ICC61630			1,28	100
280	4,5	red	ICC61632	76	270	1,88	100
		blue	ICC61634			1,88	100
		green	ICC61636			1,88	100
		yellow	ICC61638			1,88	100
		grey	ICC61640			1,88	100

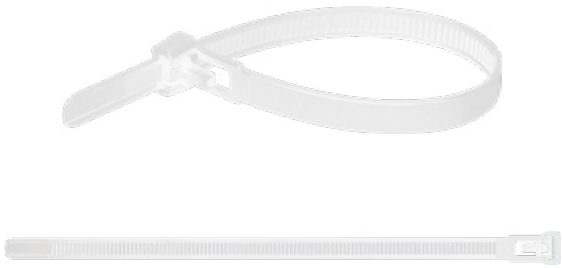
CABLE TIES WITH STEEL TONGUE ACC. TO DIN EN 50146 : 2000



Material:
Polyamide 6.6, steel tongue made of stainless steel, for high tensile strength,
Halogenfree
Continuous service temperature:
-40°C to + 85°C

Length mm	Width mm	Natur Order No.	Black Order No.	Max. Bundle Ø	max. tensile strength Newton	PU
100	2,5	ICC61251	ICC61351	24	180	100
200		ICC61257	ICC61357	55		100
140	3,5	ICC61259	ICC61359	36	280	100
200		ICC61262	ICC61362	55		100
280		ICC61265	ICC61365	80		100
190	4,5	ICC61275	ICC61375	51	400	100
290		ICC61280	ICC61380	76		100
360		ICC61283	ICC61383	101		100
220	7,5	ICC61291	ICC61391	56	800	50
360		ICC61298	ICC61398	101		50

POLYAMIDE PA6.6 RELEASABLE CABLE TIES / I



Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C
With trigger type releasable button

Good resistance to oils and greases, solvents, petroleum products.

Order No.	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Tensile str. [kg]	PU
CTR7615	7,6	150	40,3	22	100/5.000
CTR7620	7,6	200	55,6	22	100/5.000
CTR7630	7,6	300	88,1	22	100/5.000

POLYAMIDE PA6.6 RELEASABLE CABLE TIES / II

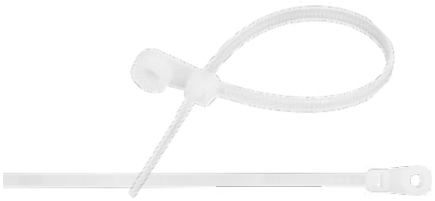




Material: Polyamide 6.6,
Colour: black, 1-2 years outdoor and weather resistant, halogen-free
Colour: natural, halogen-free
Continuous use temperature: -15° C to +75° C

Length mm	Width mm	Colour	Order No.	Max. Bundle Ø mm	Tensile str. Newton	Weight kg / 100 pcs	PU
200	7,5	natur	ICC61660	50	340	2,63	100
		black	ICC61662			2,52	100
250	7,5	natur	ICC61664	65	340	3,06	100
		black	ICC61666			3,08	100
280	7,5	natur	ICC61668	76	340	3,49	100
		black	ICC61670			3,48	100
360	7,5	natur	ICC61672	100	340	4,47	100
		black	ICC61674			4,55	100

POLYAMIDE PA6.6 CABLE TIES WITH MOUNT HEAD



Material: Polyamide PA6.6
Self extinguishing: UL94-V2
Operating temperature: -40°C ÷ + 85°C
Installation temperature: -10°C
With mount head

Good resistance to oils and greases, solvents, petroleum products.

Order No.	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Tensile str. [kg]	Ø Fixing hole [mm]	PU
CTH2511*	2,5	110	19,0	8	2,5	100/25.000
CTH4820	4,8	200	49,5	22	5	100/10.000
CTH7630	7,6	305	78,7	55	6	100/6.000

* UL Certification not available

CABLE TIES

POLYAMIDE PA6.6 CABLE TIES FOR EXTERNAL USE, UV RESISTANT



Material: Polyamide PA6.6. UV resistant
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C

Weather resistance cable ties for outdoor use, high UV resistance.

Order No.	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Tensile str. [kg]	PU
CTN9018	9,0	180	40,0	40	5.000
CTN9026	9,0	265	62,0	55	2.500
CTN9036	9,0	360	93,0	55	2.500

AISI 304 STAINLESS STEEL CABLE TIES

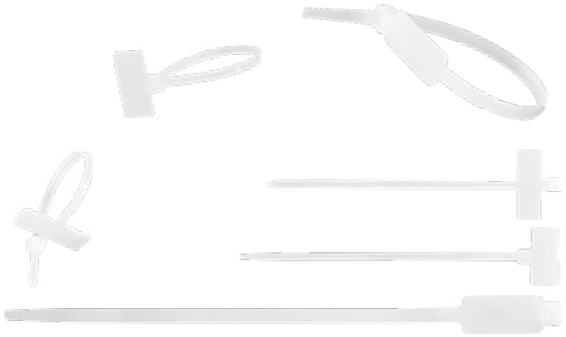


Material: AISI 304 stainless steel
Operating temperature: -80°C ÷ +500°C

Good resistance to UV lights, oils, grease, solvents, petroleum products. Non-flammable.

Order No.	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Tensile str. [kg]	PU
CTS4615	4,6	150	46,0	90	100/5.000
CTS4620	4,6	200	61,9	90	100/5.000
CTS4629	4,6	290	90,6	90	100/2.500
CTS4636	4,6	360	112,8	90	100/2.500
CTS4652	4,6	520	163,8	90	100/2.000
CTS4668	4,6	680	214,8	90	100/1.000
CTS7920	7,9	200	61,9	150	100/2.500
CTS7929	7,9	290	90,6	150	100/2.000
CTS7936	7,9	360	112,8	150	100/2.000
CTS7952	7,9	520	163,8	150	100/1.000
CTS7968	7,9	680	214,8	150	100/1.000
CTS7984	7,9	840	265,7	150	100/1.000

POLYAMIDE PA6.6 MARKER CABLE TIES



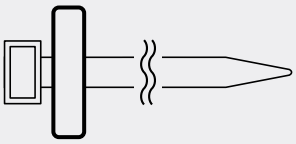
Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C
With marking plate

Good resistance to oils and greases, solvents, petroleum products.

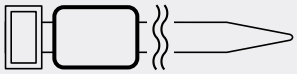
Order No.	Type	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Tensile str. [kg]	PU
CTT2510	A	2,5	100	22,0	8	1.000/25.000
CTT2511*	C	2,5	110	22,6	8	1.000/25.000
CTT2520*	A	2,5	200	53,9	8	1.000/20.000
CTT1948*	B	4,8	190	50,9	22	1.000/10.000
CTT2748*	B	4,8	270	74,8	22	1.000/5.000

* UL Certification not available

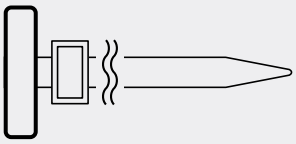
Type A



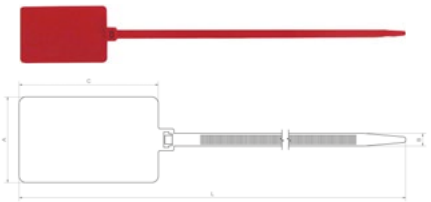
Type B



Type C



CABLE TIES WITH EXTRA LARGE LABELLING FIELD

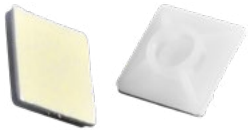
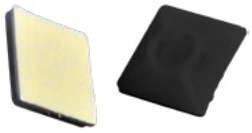


Material: Polyamide 6.6,
Color red, halogen-free
Continuous use temperature: -15° C to +75° C

Length mm	Width mm	Label field mm	Order No.	Max. Bundle Ø mm	Tensile str. Newton	Weight kg / 100 pcs	PU
363	7,5	51 x 83	ICC61690	70	420	5,03	50

CABLE TIES

CABLE TIES MOUNT WITH ADHESIVE BACK



Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C

Adhesive and fixing with screw support for cable ties

UL LISTED E486813 · RoHS compliant · Halogen Free · PAH Free

Natural Color Order No.	Black Color Order No.	Width [mm]	Length [mm]	For cable ties max. width [mm]		PU
CTB1919	**CTN1919**	19,0	19	3,6	Adhesive	1.000/20.000
CTB2828	**CTN2828**	28,0	28	4,8	Adhesive	1.000/5.000
CTBS2828*	**CTNS2828***	28,0	28	4,8	-	1.000/5.000

* UL Certification not available

CABLE TIES SCREW MOUNT



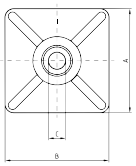
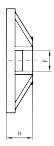

Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C

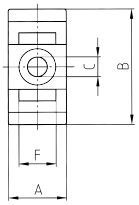
Fixing support with screw for cable ties

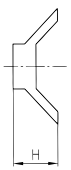
RoHS compliant · Halogen Free · PAH Free

Order No.	Width [mm]	Length [mm]	Height [mm]	Fixing hole Ø [mm]	Max width cable ties [mm]	PU
CTNS1595	15	9,5	6,8	3,3	4,8	1.000/20.000
CTNS2216	22,0	16	9,6	5,2	7,6	1.000/10.000

CABLE TIES SCREW MOUNT



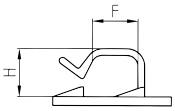


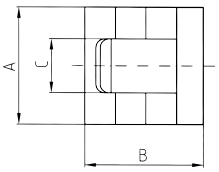
Material: Polyamide 6.6,
Colour: natur

Order No.	Sizes in mm					Weight kg / 100 pcs	PU	
	A	B	C	F	H			
ICC61038	19	19	4,8	4	5,3	0,07	100	with adhesive back
ICC61040	26,5	26,5	4,9	5,5	6,7	0,17	100	with adhesive back
ICC61044	14,7	30	5,2	9,4	11,5	0,13	100	with adhesive back

CORD-CLIPS, SELF-ADHESIVE







For fastening cables, hoses, pipes, etc.
Material: polyamide 6.6
Color: natural

Order No.	Sizes in mm					Weight kg / 100 pcs	PU
	A	B	C	F	H		
ICC61020	19	19	10,1	5,5	5,3	0,10	100
ICC61022	26,4	26,7	12,2	11,5	10	0,25	100
ICC61024	25,7	25,7	16	17,5	15	0,34	100

CABLE TIES PLUG





Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C

RoHS compliant · Halogen Free · PAH Free

Order No.	Diameter [mm]	Length [mm]	For cable ties max. width [mm]	PU
CTN0908	8,1	38,1	7,6	1.000/5.000

IN THE PARTNER SHOPS



2,13 x 1,00 x 0,46 m



0,75 x 0,5 x 0,25 m



2,10 x 0,95 x 0,50 m





11091	63
11092	63
11094	30, 63
11095	63
1110250	63
1201160	62
1201180	62
1201200	62
1202160	30, 63
1203160	62
1203200	62
1204160	62
1204200	62
1205160	63
1206160	62
1207160	63
1301...	66
1302...	66
1303...	66
1304...	67
1306...	67
1307...	67
1313...	66
1314...	66
1399...	67
16012	27
16014	27
16020-F1	26, 64
16020-CF1	27
16029	27
16032	30
16040	27
16260	70
1604160	30, 64
1604200	30, 64
1605034	31
1607062	31
1608032	31
1609076	51, 59
17130	55
17132	59
17135	59
17142	57
17145	57
17170	51, 55
17179	55
17190	51, 55
17195	55
17220	51, 57
17230	51, 59
17240	51, 59
17242	59
17250	51, 57
17260	51, 59
17300	51, 55
17301	55
1799...	60
22013	75
288700	28
421000	29
421016	29
421920	29
424200	29
424300	29
430302	29
430801	29
430805	29
433010	29
631800	73
64...	74
7110592	69
7120600	70
7120610	70
7142160	71
7142161	71
7401002	69
7401202	69
7406030	70
7406050	70
7406080	70
7409002	69
AB16	51, 53
ABI1	51, 53
ACBLSWZG	45
AE6200	51, 55
AG1013	57
AG2020	61
AM0204	71
AM0208	27
ANP24/220	47
AP130-C	17, 23
AP130-C2	17, 23
AP130-H	17, 23
AP60-1	17, 22
AP60-2	17, 22
AP60-VD	17, 23
AS120-2	33, 39
AS25	33, 39
AS45	33, 39
AS50	33, 39
AS65	33, 39
AS85	33, 39
AS8902	71
AS95	33, 39
AV3801	54
AV3820	54
AV3825	54
AV3910	28, 64
AV3911	28, 64
AV3920	28, 64
AV3921	28, 64
AV3930	28, 64
AV4094	74
AV4095	74
AV47...	72, 73
AV4901	61
AV4902	61
AV6104	67
AV6105	67
AV6220	51, 55
AV6240	55
AV6299	55
AV6310	51, 59
AV63300	51
AV63400	51
AV6400	51, 57
AV6460	51, 57
AV8203	51, 53
AV8230	54
AV8240	54
AV8270	53
AV9303...	73
BLS120	44
BLS...	44, 45
BLT...	43
CI...M...	78
CP700...	47, 48
CTB...	110
CTB1919	116
CTB2828	116
CTBS2828	116
CTH...	113
CTN...	110
CTN0908	117
CTN1919	116
CTN2828	116
CTN90...	114
CTNS2828	116
CTR76...	113
CTS...	114
CTT...	115
CTT-...	78
DMVI...	75
EM1	53
EM16	53
EM16V	53
FPI70...	47, 49
HP45	17
HP50	17,19
HP60-3	17,19
HP60-4	17,19
HP60-BL	43
HP60-VD	17,19
HPI130-C	17, 18
HPI130-C2	17, 18
HPI130-H	17, 18
HS25	33, 35
HSI45	33, 35
HSI50	33, 35
HSI50F	33, 35
HSI85	33, 35
ICAE...	96, 97
ICAL...	82
ICALCU...	82, 84
ICC...FH	106
ICC...FHA	107
ICC...FHR	106
ICC...FS	106
ICC...FS...	108
ICC...FSR	107
ICC...IH	107
ICC610...	111
ICC61020	117
ICC61022	117
ICC61024	117
ICC61038	116
ICC61040	116
ICC61044	116
ICC611...	111
ICC612...	112
ICC613...	112
ICC616...	112
ICC6166...	113
ICC6167...	113
ICC61690	115
ICD...	80
ICD...V	80
ICIAE...	94, 95
ICIAE...STF	98
ICIQ...	86, 87
ICIQ...EV	92
ICIQ...FH	89
ICIQ...FHA	90
ICIQ...FHB	90
ICIQ...FHPC	89
ICIQ...FHVI	89
ICIQ...FHVIPC	89
ICIQ...FS	90
ICIQ...FSPC	90
ICIQ...G	88
ICIQ...PV	91
ICIQ...RSH	92
ICIQ...RSHVI	93
ICIQ...RST	92
ICIQ...RSTPC	92
ICIQ...RSTVI	93
ICIQ...ST	88
ICIQ...V	91
ICIQ...WFHVI	90
ICIQ...WSV	91
ICNI...	84
ICPVSET2	12
ICQ...	102, 103
ICQ...G	104
ICQ...PV	105
ICQ...PVL	105
ICQ...ST	104
i-crimping	11, 77
ICVA...	84
IQ-CAP	71
KKLSK120	46
LS4L...	45
LS4R...	45
LSK-120	46
LSR...	46
MD...	101
MIAE...	100
MK...	81, 82
MKS200	30
MP60-1	15
MP60-2	15
MP60-3	15
MPAE10V	10
MPAE16K	10
MPAE16R	11
MPAE16S	10
MPAE16T	10
MPAE16VV	10
MPAE2R	11
MPAE6R	11
MPAE25R	11
MPAE50R	11
MPAE95R	11
MPD50S	14
MPD120S	14
MPF70i	14
MPFV	9
MPIQ6	9
MPIQ16	9
MPMC6	9
MPR-1	14
MPR-2	14
MPR-3	14
MPR25i	14
MPR50i	14
MPR120i	14
MPU	13
MPU-KK	13
MPU-L	13
MPU-L-KK	13
MSA180	30
MTT...	100
NP220	47
PBL60	43
PMC16	9
PMC25	9
PMCL16	9
PMGI6	9
PM-TRE	12
PP130-C	17, 24
PP130-C2	17, 24
PP130-H	17, 24
PP230	17, 25
PP520	17, 25
PP600	17, 25
PP60-1	17, 25
PP60-2	17, 25
PS120	33, 41
PS120-2	33, 41
PS120-SK160	33, 41
PS25	33, 40
PS45	33, 40
PS50	33, 41
PS65	33, 41
PS85	33, 41
PS95	33, 41
PTS4	51, 53
QUATTRO...	69
SETAE...	99
SETIAE...	99
SPRAY-M	45
STILO	17, 21
STILO45	17
STILO50	17, 21
STILO60	17, 21
STILO-BL	43
STILO-S25	33, 37
STILO-S26	33, 37
STILO-S40	33, 37
STILO-S50F	33, 37
STILO-S54	33, 37
TPD...	98
TPI130	17, 24
U13-...	79
U5-I...	79
U5-T...	100
U6-I...	79
UEAE16R	12, 13
UEAE2R	12, 13
UEAE2x16R	13
UEAE35R	13
UEAE50R	13
UEBNC	13
UEFV28	13
UEFV48	13
UEFV63	13
UEFVS63	13
UEIQ2	13
UEIQ2WF	13
UEIQ6	12, 13
UEIQ6WS	13
UEMC3	13
UEMC4	13
UEMC41	13
UEQ10	13
UER2	13
UER10	13
UER16	13
ZB9,5x19	43
ZB19x125	43

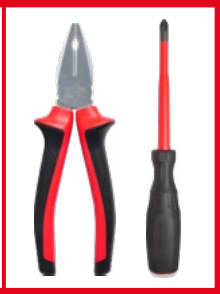
PRODUCT DEMO

VIDEOS









Intercable Tools S.r.l.
Via dei Campi della Rienza 21
39031 Brunico, Italy
Tel. +39 0474 571 700
export@intercable.com
www.intercable-tools.com

catalogue was updated in October 2024 / CEE

Intercable cannot be held liable for any damages or injuries resulting from improper use or operation of the products depicted in this catalogue. Furthermore, Intercable reserves the right to change the products in this catalogue without further notice.
Sales conditions: see www.intercable-tools.com