

Tools and cable accessories



Cutting, Stripping, Skinning • Cutting tools for various applications

COMBINOX cable shears



Benefits

- Wire guide integrated into blade

Product Make-up

- Stainless steel shears

Included

- Included: stripping device

Technical data



ETIM 5.0 Class-ID: EC000142
ETIM 5.0 Class-Description:
Cable shears

Article number	Article designation	Weight (kg)	Length (mm)	Pieces / PU
COMBINOX cable shears				
61735980	Combinox	0.121	193	1

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Photographs are not to scale and do not represent detailed images of the respective products.

Multipurpose shears A and B



Application range

- Suitable for separating steel-wire screen braiding
- Suitable for cutting cables, lines, single cores, flat cables, bands, thin sheet metal, paper, cardboard and wires

Product Make-up

- Multipurpose shears A: With forged blades, spring and frames
- Multipurpose shears B: With forged blades

Technical data



ETIM 5.0 Class-ID: EC000160
ETIM 5.0 Class-Description:
Shears

Article number	Article designation	Weight (kg)	Length (mm)	Pieces / PU
Multipurpose shears A and B				
62120010	Multipurpose shears A: With forged blades, spring and frames	0.12	180	1
62120020	Multipurpose shears B: With forged blades	0.095	175	1

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Tools and cable accessories

Cutting, Stripping, Skinning • Cutting tools for small diameters

BULLI cable shears



Benefits

- Ergonomic handles
- Drawing cut is possible due to the special shape of the blades
- Lightweight shears with locking bolt and spring return

Application range

- For fine-wire conductors up to max. outer diameter of 16 mm

Technical data

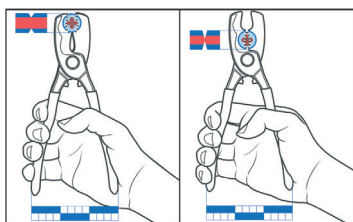


ETIM 5.0 Class-ID: EC000142
ETIM 5.0 Class-Description:
Cable shears

Article number	Article designation	For outer diameter (mm)	Weight (kg)	Length (mm)	Pieces / PU
BULLI cable shears					
61744160	BULLI	16	0.135	185	1
61744161	Spare spring BULLI	-	-	-	1

Photographs are not to scale and do not represent detailed images of the respective products.

KS 20 cable shears



Benefits

- Less force required due to favourable transmission ratio and new blade geometry
- High ergonomics thanks to multi-component-handles
- Particular two-blades-system (see drawings)
- Cutting with precision grinding
- Easy and clean cut by using only one hand

Application range

- Cuts copper and aluminium cables with up to 20 mm outer diameter
- Not suitable for steel wire and hard-drawn copper conductors

Product features

- Material: special tool steel, forged, burnished head
- Made in Germany

Technical data

ETIM 5.0 Class-ID: EC000142
ETIM 5.0 Class-Description: Cable shears

Article number	Article designation	For outer diameter (mm)	Weight (kg)	Length (mm)	Pieces / PU
KS 20 cable shears					
62120045	KS 20	20	0.3	200	1

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KT cable shears



Benefits

- Trouble-free cutting with lightweight and optimum transmission ratio
- One-hand operation through ratchet principle
- Less power required due to wave-like polished blades
- Optimum leverage due to 2-way gear rim drive (KT 6: 3-way gear rim drive)

Application range

- Not suitable for steel wire / hard aluminium alloys / hard-drawn copper conductors

Product features

- Swivel knife can be unlocked in any cutting position with a press of the thumb
- Cuts smoothly and cleanly without crushing

Note

- Also suitable for stripping wires

Technical data

ETIM 5.0 Class-ID: EC000142
ETIM 5.0 Class-Description: Cable shears

Article number	Article designation	For outer diameter (mm)	Weight (kg)	Length (mm)	Pieces / PU
KT cable shears					
61813750	KT 4	32	0.545	250	1
61813760	Spare blade KT 4	-	-	-	1
61813770	KT 5	52	0.74	280	1
61813775	Spare blade KT 5	-	-	-	1
61813751	KT 6	60	0.825	320	1
61813752	Cable Shears spare knife KT 6	-	-	-	1
61813753	Cable shears fixed knife KT 6	-	-	-	1

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STAR STRIP stripping tool



Info

- Special polished stripping knife is suitable for problematical insulation materials such as PUR, fluoropolymers, glass fibre, TPE and rubber

Benefits

- Large application range thanks to the interchangeable hooks
- Suitable for circular, longitudinal and spiral cuts
- High quality of the blade ensures a good stripping result also for tough insulation materials
- Robust body, long durability- tested for more than 100.000 stripping operations
- High ergonomics and user-friendliness (inter alia due to a lightweight construction)

Application range

- Adjustable stripping tool for round cables made with various insulation materials (as PVC, PTFE, rubber or PUR)
- Through the interchangeable hooks, the tool can be used for cables with a diameter of 4.5 - 25 mm and 20 - 40 mm

Product features

- The depth of the blade is adjustable by rotating the upper part of the tool.
- Specific locking positions for circular, longitudinal or spiral cuts
- The blade automatically returns to its start position at the end of a stripping process, thus reducing the possibility of breaking the blade.
- No special tool is required to replace the hook (other hook is used for releasing the assembled hook)

Note

- Spare blades are available and can be stored in a compartment of the tool

Included

- 61735820: Tool with blade, small and large hook without spare blade

Technical data



ETIM 5.0 Class-ID: EC000163
ETIM 5.0 Class-Description:
Cable stripping tool



Weight
STAR STRIP with large hook: 116 g



Length
Dimensions LxHxB:
Small hook: 150x42x30.5 mm
Big hook: 167x52x30.5 mm



Colour delivered
Black

Article number	Article designation	For outer diameter (mm)	Length (mm)	Pieces / PU
STAR STRIP with one blade, small and big hook (but without replacement blade)				
61735820	STAR STRIP	4,5 - 40.0	150	1
Spare parts				
61735821	STAR STRIP spare blade			1
61735822	STAR STRIP spare hook, small	4,5 - 25.0		1
61735823	STAR STRIP spare hook, large	20.0 - 40.0		1

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Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>



DATA STRIP stripping tool



ÖLFLEX®

UNITRONIC®

ETHERLINE®

HITRONIC®

EPIC®

SKINTOP®

SILVYN®

FLEXIMARK®

ACCESSORIES

APPENDIX

Benefits

- Precise due to 9 adjustable positions on the setting wheel
- Easy handling-open the stripping shaft by simply pressing the tool together, insert the cable, turn the tool and open the tool again
- Lightweight and handy design- for your trouser pocket or belt
- Long durability-tested for 50.000 insulation processes
- High safety for the user due to rounded shape, no open blades, "X-position" for blade changes, replacement blade is embedded in plastic surrounding

Application range

- Precision stripping tool for stripping signal, telephone, AV, control and data transmission cables made up of copper and glass fibres.
- Dismantles most multi-core data cables and glass-fibre cables with a diameter of up to 11 mm (also power cable with PVC sheathing could be dismantled)

Product features

- The tool is adjustable up to 1.00 mm (0,04") in steps of 0.1 mm:
9= 1.0 mm
8= 0.9 mm
7= 0.8 mm
6= 0.7 mm
5= 0.6 mm
4= 0.5 mm
3= 0.4 mm
2= 0.3 mm
1= 0.2 mm

Note

- The "x" position on the wheel enables the tool to close so that the attached blade cartridge can be ejected and replaced with a new one quickly and safely

Suitable cables

- UNITRONIC® LiYY Page 278

Technical data



ETIM 5.0 Class-ID: EC000163
ETIM 5.0 Class-Description:
Cable stripping tool



General

Insulation thickness: up to 1 mm



Diameter in

For outer diameter: 2.5 - 11 mm



Weight

28 g



Length

Dimensions: L 90.5 x W 39.5 x H 19 mm

Article number	Article designation	For outer diameter (mm)	Weight (kg)	Pieces / PU
DATA STRIP stripping tool				
61735810	DATA STRIP	2,5 - 11.0	0.028	1
61735811	DATA STRIP spare blade			1

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Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>



FC STRIP stripping tool



Benefits

- Ready-to-connect stripping - outer sheath and copper screening braid are stripped in one simple step
- Prevents cable damage
- Adjusting screws enable the tool to be adjusted for all Fast Connect cables

Application range

- Two-level dismantling tool for Fast Connect conductors with an outer diameter 2,5 - 8,0 mm

Suitable cables

- UNITRONIC® BUS PB FRNC FC Page 333

Technical data



ETIM 5.0 Class-ID: EC001583
ETIM 5.0 Class-Description:
Accessories for bus system

Article number	Article designation	Suitable for:	Pieces / PU
FC STRIP stripping tool			
21124030	FC STRIP incl. blade	Fast Connect cables	1
21124040	FC STRIP without blade		1
21124041	FC STRIP blade cartridge		1

Photographs are not to scale and do not represent detailed images of the respective products.



AS-I STRIP special stripping tool



Benefits

- Automatic setting of blades
- No damage to single cores

Application range

- For AS-I cables with TPE, rubber and PUR sheathing

Product features

- Robust tool body is made of glass fibre-reinforced polyamide
- Special shape of the cable is reflected in the blades

Suitable cables

- UNITRONIC® BUS ASI Page 325

Technical data



ETIM 5.0 Class-ID: EC000163
ETIM 5.0 Class-Description:
Cable stripping tool

Article number	Article designation	Suitable for:	For insulation	Length (mm)	Weight (kg)	Pieces / PU
AS-I STRIP special stripping tool						
61735831	AS-I STRIP special	AS-Interface	TPE, rubber, PUR	160	0.12	1

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SENSOR STRIP stripping tool



Benefits

- Focussed to the needs of stripping the sheathing of sensor / actuator cables
- With their new blade design the tools strip PVC / PUR cable sheathings precisely from cables without causing damage to the individual conductors or shielding inside
- Fully automated adjustments to the diverse cable diameters
- Push-through opening inside handles- to strip any lengths
- Ergonomic design- user friendly, ease of use, lightweight

Application range

- PUR halogen-free sensor/actuator cables
- Highly flexible TPE-U-cables
- PUR-cables
- PUR/PVC-cables
- Multi-stranded cables, shielded and non-shielded cables

Product features

- Exchangeable blades-longer lifetime, efficient

Technical data

	ETIM 5.0 Class-ID: EC000163 ETIM 5.0 Class-Description: Cable stripping tool
	Diameter in Sensor Mini: For outer diameter: 3,2-4,4 mm Sensor Special: For outer diameter: 4,4-7 mm
	Length Dimensions LxHxB: 16,6x2,8x10,2 mm

Article number	Article designation	For outer diameter (mm)	Length (mm)	Pieces / PU
SENSOR STRIP stripping tool				
61735833	SENSOR STRIP Mini stripping tool	3,2 - 4,4	165	1
61735993	SENSOR STRIP Special stripping tool	4,4 - 7.0	165	1
61718790	SENSOR STRIP Mini replacement blade set	3,2 - 4,4		1
61718800	SENSOR STRIP Special replacement blade set	4,4 - 7.0		1

Photographs are not to scale and do not represent detailed images of the respective products.

EASY STRIP stripping and cutting tool

**Benefits**

- Easy to handle due to the automatic adjustment for the different crimping cross-sections
- Broad application range thanks to changeable stripping cartridges
- Adjusting lever for fine-adjustments ensures that the insulation(particular small dimensions) can be removed without damaging the conductors
- Long durability- tested for more than 150.000 stripping operations
- Ergonomic design due to the soft handle, optimised grip-width, angled-head and light construction

Application range

- Stripping cassettes enable precise stripping of different insulation materials (e.g. PVC/PTFE) and diameters with a single tool
- For standard cables and conductors (90 % of all applications can be stripped without setting the tool manually)

Product Make-up

- Two different designs available- pistol shaped (RA) or standard version

Note

- No MTW single wires 16 mm² can be machined

**Info**

- Now also available as right-angled version (RA)

Technical data

ETIM 5.0 Class-ID: EC000163
ETIM 5.0 Class-Description:
Cable stripping tool

**General**

Stripping range: 0.02 - 16.0 mm²

**Weight**

136 g

**Length**

Overall dimensions: L x H x W:
Standard version: 191x123x20 mm
RA version: 144x186x23 mm

**Info**

Cutting capacity:
Solid cables - 1.5 mm²
Flexible conductors - up to 10 mm²

Article number	Article designation	For mm ²	Colour	For insulation	Cartridge shape	Pieces / PU
Tool standard version with cartridge						
61735800	EASY STRIP incl.straight cartridge	0.02 - 10	black	PVC etc.	straight	1
61735805	EASY STRIP incl. V-cartridge	0.1 - 4	blue	PTFE etc.	V-form	1
61735807	EASY STRIP incl. O-cartridge	4 - 16	red	PVC etc.	round	1
Tool RA version with cartridge						
61735813	EASY STRIP RA incl.straight cartridge	0.02 - 10	black	PVC etc.	straight	1
61735814	EASY STRIP RA incl. V-cartridge	0.1 - 4	blue	PTFE etc.	V-form	1
61735815	EASY STRIP RA incl. O-cartridge	4 - 16	red	PVC etc.	round	1
Cartridges and replacement items						
61735801	Straight cartridge	0.02 - 10	black	PVC etc.	straight	1
61735803	V-cartridge	0.1 - 4	blue	PTFE etc.	V-form	1
61735802	O-cartridge	4 - 16	red	PVC etc.	round	1
61735806	EASY STRIP support jaws					1

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BASIC STRIP stripping and cutting tool

Benefits

- Easy to handle due to the automatic adjustment for the different crimping cross-sections
- Enables easy, quick and uniform stripping of solid and flexible conductors
- Ergonomic plastic handles
- Adjustable length gauge from 5-12 mm
- Removable blade head

Application range

- Self-adjusting stripping and cutting tool
- Stripping wires and strands from 0.2 - 6 mm²
- Cutting of wires up to a diameter of 2 mm
- For wires with PVC core insulation

Product features

- Made in Germany

Norm references / Approvals

- GS-logo for proven safety

Technical data



ETIM 5.0 Class-ID: EC000163
ETIM 5.0 Class-Description:
Cable stripping tool



Article number	Article designation	For mm ²	For insulation	Length (mm)	Pieces / PU
BASIC STRIP stripping and cutting tool					
61725960	BASIC STRIP	0.2 - 6	PVC	165	1

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UNIVERSAL STRIP stripping tool



Benefits

- No pinching or deforming of cable ends thanks to a special cutting mode
- Interchangeable blades for different cable cross sections
- For use with a great variety of insulation with differing hardness and dimension
- Automatic release after operation

Application range

- Universal stripping pliers with interchangeable stripping blades for special applications
- Suitable for fluoropolymer & PVC cores, AS-I, Solar, POF cables
- For stripping of sheath and insulation from all single wires and multi-wire cables from 0.03 to 16 mm²
(Please check the application range of each blade)

Product features

- Design: chrome-plated with plastic handle cover

Included

- Tool and blades could be ordered separately or in a set, where the tool and one blade is included (but please note that the blade is not already assembled in the tool)
- Tool is always delivered with a length stop

Technical data

	ETIM 5.0 Class-ID: EC000163
	ETIM 5.0 Class-Description: Cable stripping tool
	Colour delivered
	Orange

Article number	Article designation	For mm ²	For insulation	Length (mm)	Weight (kg)	Pieces / PU
Tool without blades						
21920005	Universal Strip without stripping knife			194	0.41	1
Interchangeable blade						
21920009	Blade DIN single cores	0.14 - 6	PVC			1
21920122	Solar stripping knife	1.5 - 6				1
21920126	POF 1, 2, 4-wire stripping knife		PVC/PUR			1
21920006	Fluoropolymer stripping knife	0.03 - 2	Fluoropolymer			1
21920004	Fluoropolymer stripping knife	2.5 - 10	Fluoropolymer			1
21920008	Fluoropolymer stripping knife	16	Fluoropolymer			1
21920135	AS I stripping knife		rubber/TPE/PVC			1
Complete tool (incl. assembled blade)						
21920141	Universal Strip DIN single wires	0.14 - 6	PVC			1
21920125	Universal Strip POF 1, 2, 4-wire		PVC/PUR			1
21920129	Universal Strip Fluoropolymer 0,03-2,08	0.03 - 2.08	Fluoropolymer			1
21920130	Universal Strip Fluoropolymer 2,5-10 mm ²	2.5 - 10	Fluoropolymer			1
21920131	Universal Strip Fluoropolymer 16	16	Fluoropolymer			1
21920140	Universal Strip AS-I		rubber/TPE/PVC			1
21920120	Universal Strip Solar	1.5 - 6				1

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Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Accessories

- Additional blades are available upon request



Technical data

ETIM ETIM 5.0 Class-ID: EC000005
ETIM 5.0 Class-Description:
Cable end sleeve

Note
Halogen-free

Material
Copper/PP
Surface: tin-plated

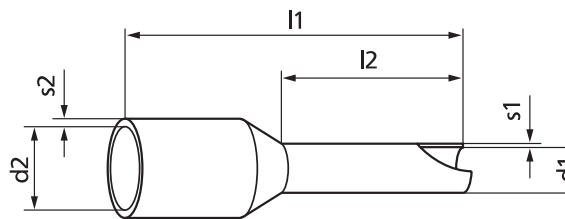
Temperature range
-5°C to +105°C*

Benefits

- Funnel-shaped opening makes it easy to slip them onto the strands
- The conductor is permanently connected to the collar by crimping



Conductor end sleeves insulated



Application range

- Control cabinets and equipment wiring
- For cables with category 2,5 and 6 conductors
- Not suitable for solid conductors

Suitable tools

- PEW 8.185 crimping pliers refer to page 1015
- PEW 8.186 crimping pliers refer to page 1015
- PEW 8.87 crimping pliers refer to page 1016
- CK 90 crimping pliers refer to page 1017

Norm references / Approvals

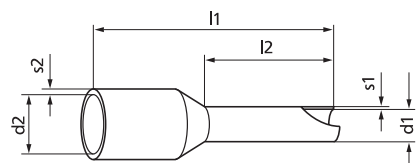
- All DIN conductor end-sleeves are in accordance with DIN 46228 Part 4
- CSA approved, File-Number: LR 105629-1

Article number	Article designation	For mm ²	AWG	Colour	l1 mm	l2 mm	d 1 mm	s 1 mm	d 2 mm	s 2 mm	Pieces / PU
Conductor end sleeves insulated											
61721866	AHI N 0,25/6	0.25	24	light blue	10.5	6	0.8	0.25	1.8	0.25	500
61721867	AHI L 0,25/8	0.25	24	light blue	12.5	8	0.8	0.25	1.8	0.25	500
61721868	AHI N 0,34/6	0.34	24	turquoise	10.5	6	0.8	0.25	2	0.25	500
61721869	AHI L 0,34/8	0.34	24	turquoise	12.5	8	0.8	0.25	2	0.25	500
61801580	AHI DIN K 0,5/6	0.50	20	white	11.5	6	1.1	0.15	2.5	0.25	500
61801590	AHI DIN N 0,5/8	0.50	20	white	13.5	8	1.1	0.15	2.5	0.25	500
61801600	AHI DIN HL 0,5/10	0.50	20	white	15.5	10	1.1	0.15	2.5	0.25	500
61721871	AHI N 0,5/8	0.50	20	orange	13.5	8	1.1	0.15	2.5	0.25	500
61801620	AHI DIN K 0,75/6	0.75	20	grey	12	6	1.3	0.15	2.8	0.25	500
61801630	AHI DIN N 0,75/8	0.75	20	grey	14	8	1.3	0.15	2.8	0.25	500
61801640	AHI DIN HL 0,75/10	0.75	20	grey	16	10	1.3	0.15	2.8	0.25	500
61801650	AHI DIN L 0,75/12	0.75	20	grey	18	12	1.3	0.15	2.8	0.25	500
61721880	AHI N 0,75/8	0.75	20	white	14	8	1.3	0.15	2.8	0.25	500
61801660	AHI DIN K 1/6	1.00	18	red	12.5	6	1.5	0.15	3	0.3	500
61801670	AHI DIN N 1/8	1.00	18	red	14.5	8	1.5	0.15	3	0.3	500
61801680	AHI DIN HL 1/10	1.00	18	red	16.5	10	1.5	0.15	3	0.3	500
61801690	AHI DIN L 1/12	1.00	18	red	18.5	12	1.5	0.15	3	0.3	500
61721890	AHI N 1/8	1.00	18	yellow	14.5	8	1.5	0.15	3	0.3	500
61801700	AHI K 1,5/6	1.50	16	black	12.5	6	1.8	0.15	3.4	0.3	500
61801710	AHI DIN N 1,5/8	1.50	16	black	14.5	8	1.8	0.15	3.4	0.3	500
61801720	AHI DIN HL 1,5/10	1.50	16	black	16.5	10	1.8	0.15	3.4	0.3	500
61801730	AHI DIN L 1,5/18	1.50	16	black	24.5	18	1.8	0.15	3.4	0.3	500
61721900	AHI N 1,5/8	1.50	16	red	14.5	8	1.8	0.15	3.4	0.3	500
61721910	AHI HL 1,5/10	1.50	16	red	16.5	10	1.8	0.15	3.4	0.3	500
61746720	AHI L 1,5/18	1.50	16	red	24.5	18	1.8	0.15	3.4	0.3	500
61801750	AHI DIN N 2,5/8	2.50	14	blue	15	8	2.3	0.15	4.2	0.3	500
61801760	AHI DIN HL 2,5/12	2.50	14	blue	19	12	2.3	0.15	4.2	0.3	500
61801770	AHI DIN L 2,5/18	2.50	14	blue	25	18	2.3	0.15	4.2	0.3	500
61801780	AHI DIN N 4/10	4.00	12	grey	17.5	10	2.9	0.2	4.8	0.3	500
61801790	AHI DIN HL 4/12	4.00	12	grey	20	12	2.9	0.2	4.8	0.3	500
61801800	AHI DIN L 4/18	4.00	12	grey	26	18	2.9	0.2	4.8	0.3	100
61801810	AHI DIN N 6/12	6.00	10	yellow	20	12	3.6	0.2	6.2	0.3	100
61801820	AHI DIN L 6/18	6.00	10	yellow	25	18	3.6	0.2	6.2	0.3	100
61721940	AHI N 6/12	6.00	10	black	20	12	3.6	0.2	6.2	0.3	100
61721950	AHI L 6/18	6.00	10	black	26	18	3.6	0.2	6.2	0.3	100
61801830	AHI DIN N 10/12	10.00	8	red	21	12	4.6	0.2	7.5	0.3	100
61801840	AHI DIN L 10/18	10.00	8	red	27	18	4.6	0.2	7.5	0.3	100
61721960	AHI N 10/12	10.00	8	ivory	21	12	4.6	0.2	7.5	0.3	100
61721970	AHI L 10/18	10.00	8	ivory	27	18	4.6	0.2	7.5	0.3	100
61801850	AHI DIN N 16/12	16.00	6	blue	23	12	6	0.2	8.8	0.4	100
61801860	AHI DIN L 16/18	16.00	6	blue	29	18	6	0.2	8.8	0.4	100
61721980	AHI N 16/12	16.00	6	green	23	12	6	0.2	8.8	0.4	100
61721990	AHI L 16/18	16.00	6	green	29	18	6	0.2	8.8	0.4	100
61801870	AHI DIN N 25/16	25.00	4	yellow	29	16	7.5	0.2	11	0.5	50
61801890	AHI DIN L 25/22	25.00	4	yellow	35	22	7.5	0.2	11	0.5	50
61746770	AHI N 25/16	25.00	4	brown	29	16	7.5	0.2	11	0.5	50
61746780	AHI L 25/22	25.00	4	brown	35	22	7.5	0.2	11	0.5	50
61801900	AHI DIN N 35/16	35.00	2	red	30	16	8.5	0.2	12.5	0.5	50
61801920	AHI DIN L 35/25	35.00	2	red	39	25	8.5	0.2	12.5	0.5	50
61746790	AHI N 35/16	35.00	2	beige	30	16	8.5	0.2	12.5	0.5	50
61746800	AHI L 35/25	35.00	2	beige	39	25	8.5	0.2	12.5	0.5	50
61801930	AHI DIN N 50/20	50.00	1	blue	36	20	10.5	0.3	15	0.6	50
61801940	AHI DIN L 50/25	50.00	1	blue	41	25	10.5	0.3	15	0.6	50
61801950	AHI N 70/20	70.00	2/0	yellow	37	20	13.5	0.4	16	0.6	25
61801960	AHI L 70/27	70.00	2/0	yellow	44	27	12.7	0.4	16	0.6	25
61801970	AHI N 95/25	95.00	3/0	red	44	25	14.7	0.4	18	0.6	25
61801980	AHI N 120/27	120.00	4/0	blue	48	27	16.7	0.5	21	0.7	25
61801990	AHI N 150/32	150.00	300	yellow	58	32	19.5	0.5	23	1	25

K = short; N = medium; HL = large; L = extra large; Other sizes and colours are available upon request. Photographs are not to scale and do not represent detailed images of the respective products. *Under some circumstances the end sleeves withstand temperatures under -5°C. Please contact Lapp Kabel to clarify the specific application area. The manufacturing tolerance is +/- 0,4 mm.



Deciband AHIB



Application range

- Packs of insulated conductor end sleeves with mini-crimp seal

Note

- For processing tools see the keyword index "crimping pliers for conductor end sleeves"

Included

- Insulated conductor end sleeves in standard length in strips with 10 linked mini-crimp bags of 100 conductor end sleeves
- Mini crimp lock for individual separation of bags

Technical data

	ETIM 5.0 Class-ID: EC000005
	ETIM 5.0 Class-Description: Cable end sleeve
	General Halogen-free
	Material Copper/PP Surface: tin-plated
	Temperature range -5°C to +105°C

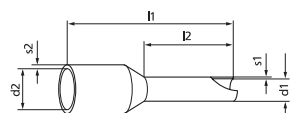
Article number	Article designation	For mm ²	Colour	l1 mm	l2 mm	d1 mm	s1 mm	d2 mm	s2 mm	Content	Pieces / PU
Deciband AHIB											
61794760	Deciband AHIB	0.34	turquoise	10.5	6	0.8	0.25	2	0.25	10 x 100	1
61794770	Deciband AHIB	0.50	orange	13.5	8	1.1	0.15	2.5	0.25	10 x 100	1
61794780	Deciband AHIB	0.75	white	14	8	1.3	0.15	2.8	0.25	10 x 100	1
61794790	Deciband AHIB	1.00	yellow	14.5	8	1.5	0.15	3	0.3	10 x 100	1
61794800	Deciband AHIB	1.50	red	14.5	8	1.8	0.15	3.4	0.3	10 x 100	1
61794810	Deciband AHIB	2.50	blue	15	8	2.3	0.15	4.2	0.3	10 x 100	1

Other sizes and colours are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products.



Conductor end sleeves AHK, insulated



Benefits

- Thicker insulation and greater wall thickness for higher loads
- Suitable for all short circuit and earth fault-resistant cables up to 3 kV due to enlarged insulation sleeves

Application range

- For cables with thick insulation
- Special conductor end sleeve model with large plastic collar for thick insulation cables (e.g. NSGAFÖU).
- Suitable for unprotected connections on control and distribution panels, rail vehicles, solar systems, ignition cables etc.

Note

- For processing tools see the keyword index "crimping pliers for conductor end sleeves"

Suitable cables

- NSGAFÖU 1,8/3 kV Page 97

Technical data

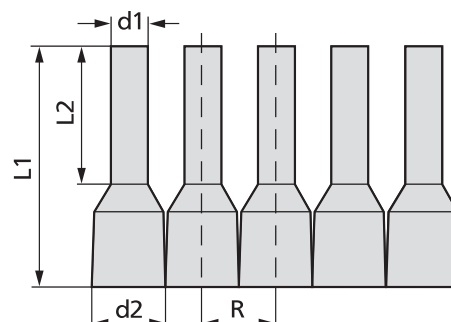
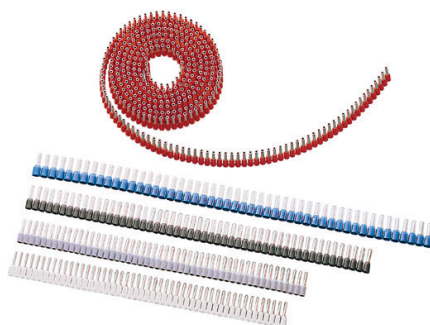
	ETIM 5.0 Class-ID: EC000005
	ETIM 5.0 Class-Description: Cable end sleeve
	Material Copper/PP Surface: tin-plated
	Temperature range -5°C to +105°C

Article number	Article designation	For mm ²	AWG	Colour	l1 mm	l2 mm	d1 mm	s1 mm	d2 mm	s2 mm	Pieces / PU
Conductor end sleeves AHK, insulated											
61746500	AHK 1,5/8	1.50	16	black	17.5	8	1.8	0.15	7.5	0.3	100
61746501	AHK 1,5/10	1.50	16	black	19.5	10	1.8	0.15	7.5	0.3	100
61746502	AHK 2,5/8	2.50	14	blue	17.5	8	2.3	0.15	8	0.3	100
61746503	AHK 2,5/12	2.50	14	blue	21.5	12	2.3	0.15	8	0.3	100
61746504	AHK 4/10	4.00	12	grey	19.5	10	2.9	0.2	9.5	0.3	100
61746505	AHK 6/12	6.00	10	yellow	23	12	3.6	0.2	10	0.3	100
61746506	AHK 10/12	10.00	8	red	24	12	4.6	0.2	11.5	0.3	100
61746507	AHK 16/12	16.00	6	blue	25.5	12	6	0.2	13.5	0.3	100

Photographs are not to scale and do not represent detailed images of the respective products.



DIN-Coil conductor end sleeves



Application range

- Insulated conductor end sleeves in strips, DIN 46228, Part 4
- DIN strips, available in coils of up to 3000 items for working with automatic crimping machines

Included

- Coil diameter: approx. 25 cm

Technical data



ETIM 5.0 Class-ID: EC000005
ETIM 5.0 Class-Description:
Cable end sleeve



Material
Copper/PP
Surface: tin-plated



Temperature range
Permanent load -5°C up to +105°C,
temporary load +120°C

Article number	Article designation	For mm ²	Colour	l1 mm	l2 mm	d1 mm	d2 mm	R mm	Contents (unit)
DIN-Coil conductor end sleeves									
61802052	DIN coil 0.5	0.50	white	14.5	8	1.1	2.6	3.5	3,000 x 1
61802054	DIN coil 0.75	0.75	grey	14.5	8	1.3	2.8	3.6	3,000 x 1
61802056	DIN coil 1.0	1.00	red	14.5	8	1.5	3	3.9	3,000 x 1
61802058	DIN coil 1.5	1.50	black	14.5	8	1.8	3.4	4.2	2,500 x 1
61802060	DIN coil 2.5	2.50	blue	14.5	8	2.3	4.2	5	1,500 x 1

Photographs are not to scale and do not represent detailed images of the respective products.

DIN-strips for QUADRO



Benefits

- Insulated conductor end sleeves in strips, DIN 46228, Part 4 for QUADRO

Suitable tools

- QUADRO multifunction tool refer to page 1014

Technical data



ETIM 5.0 Class-ID: EC000005
ETIM 5.0 Class-Description:
Cable end sleeve

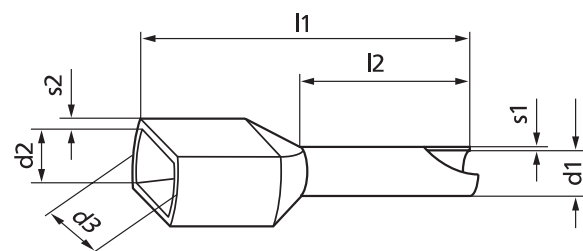
Article number	Article designation	For mm ²	AWG	Colour	l1 mm	l2 mm	d 1 mm	d 2 mm	R mm	Pieces / PU
DIN-strips for QUADRO										
61805170	DIN Strips 0,50	0.50	20	white	14	8	1.1	2.6	3.5	500
61805180	DIN Strips 0,75	0.75	20	grey	14	8	1.3	2.8	3.6	500
61805190	DIN Strips 1,00	1.00	18	red	14	8	1.5	3	3.9	500
61805200	DIN Strips 1,50	1.50	16	black	14	8	1.8	3.4	4.2	500
61805210	DIN Strips 2,50	2.50	14	blue	14	8	2.3	4.2	5	500

Other sizes and colours are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products.



TWIN conductor end sleeves



Benefits

- Special shape of plastic collar enables simultaneous holding of two strand conductors
- Correct crimping of two conductors in a TWIN conductor end sleeve achieves a proper electrical and mechanical connection

Note

- For processing tools see the keyword index "crimping pliers for conductor end sleeves"

Suitable tools

- KEBS 0560 TWIN crimping pliers refer to page 1017

Technical data



ETIM 5.0 Class-ID: EC000005
ETIM 5.0 Class-Description:
Cable end sleeve



Info
Halogen-free



Material
Copper/PP
Surface: tin-plated



Temperature range
Permanent load -5°C up to +105°C,
temporary load +120°C

Article number	Article designation	For mm ²	AWG	Colour	l1 mm	l2 mm	d 1 mm	s1 mm	d 2 mm	d 3 mm	s2 mm	Pieces / PU
TWIN conductor end sleeves												
61801999	AHI-TWIN	2.00 x 0.50	2 x 20	white	15	8	1.5	0.15	2.3	4.5	0.25	500
61802000	AHI-TWIN	2.00 x 0.75	2 x 20	grey	15	8	1.8	0.15	2.6	5.1	0.25	500
61802010	AHI-TWIN	2.00 x 1.00	2 x 18	red	15	8	2.05	0.15	3	5.1	0.3	500
61802020	AHI-TWIN	2.00 x 1.50	2 x 16	black	16	8	2.3	0.15	3.5	6.4	0.3	500
61802030	AHI-TWIN	2.00 x 2.50	2 x 14	blue	18.5	10	2.9	0.2	4	7.5	0.3	500
61802032	AHI-TWIN	2.00 x 4.00	2 x 12	grey	23	12	3.8	0.2	4.9	8.6	0.3	100
61802033	AHI-TWIN	2.00 x 6.00	2 x 10	yellow	25	14	4.6	0.2	5.8	9.6	0.4	100
61802034	AHI-TWIN	2.00 x 10.00	2 x 8	red	26	14	6.5	0.2	7	12.6	0.4	100
61802035	AHI-TWIN	2.00 x 16.00	2 x 6	blue	30	14	8.2	0.2	9.6	18.4	0.4	50

Other sizes and colours are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products.



DIN-assorted boxes conductor end sleeves / AHI assorted boxes / TWIN assorted boxes



DIN-assorted boxes conductor end sleeves



AHI assorted boxes



TWIN assorted boxes

Benefits

- Convenient assortment boxes - several diameters always at your fingertips

Application range

DIN-assorted boxes conductor end sleeves

- DIN conductor end sleeves
- Manufacturing of control cabinets and equipment

AHI assorted boxes

- AHI assortment box
- Manufacturing of control cabinets and equipment

TWIN assorted boxes

- TWIN assortment box
- Manufacturing of control cabinets and equipment

Norm references / Approvals

- The insulated conductor end sleeves are in accordance with DIN 46228, part 4 (0.25 mm² and 0.34 mm² not standardised) in assortment boxes

Note

- For processing tools see the keyword index "crimping pliers for conductor end sleeves"

Product Make-up

DIN-assorted boxes conductor end sleeves

- DIN assortment box I
30 x 0.25 - 6 mm BU, 30 x 0.34 - 6 mm YE, 30 x 0.5 - 8 mm WH, 30 x 0.75 - 8 mm GY, 30 x 1.00 - 8 mm RD
- DIN assortment box II:
50 x 0.5 - 8 mm WH, 100 x 0.75 - 8 mm GY, 100 x 1.00 - 8 mm RD, 100 x 1.5 - 8 mm BK, 50 x 2.5 - 8 mm BU
- DIN assortment box III:
40 x 4.00 - 10 mm GY, 20 x 6.0 - 12 mm YE, 20 x 10.00 - 12 mm RD, 10 x 16.00 - 12 mm BU

AHI assorted boxes

- AHI assortment box I (yellow):
30 x 0.25 - 6 mm LBU, 30 x 0.34 - 6 mm TQ, 30 x 0.5 - 8 mm ON, 30 x 0.75 - 8 mm WH, 30 x 1.00 - 8 mm YE
- AHI assortment box II (orange):
50 x 0.5 - 8 mm OG, 100 x 0.75 - 8 mm WH, 100 x 1.00 - 8 mm YE, 100 x 1.5 - 8 mm RD, 50 x 2.5 - 8 mm BU
- AHI assortment box III (blue):
50 x 4.00 - 10 mm GY, 20 x 6.0 - 12 mm BK, 20 x 10.00 - 12 mm WH, 10 x 16.00 - 12 mm GN

TWIN assorted boxes

- 2x0,75 - 8mm, 2x1,00 - 8mm, 2x1,05 - 8mm, 2x2,50 - 10mm

Technical data



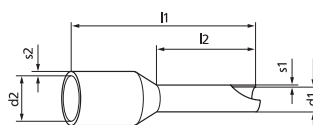
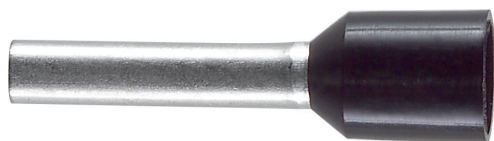
ETIM 5.0 Class-ID: EC000005
ETIM 5.0 Class-Description:
Cable end sleeve

Article number	Article designation	For mm ²	Contents (unit)	PU
DIN assortment box				
61802040	DIN assortment box I	0.25 - 1.00	150 x 1	1
61802041	DIN assortment box II	0.50 - 2.50	400 x 1	1
61802042	DIN assortment box III	4.00 - 16.00	100 x 1	1
Black, grey, orange, yellow, white				
61794720	AHI assortment box I	0.25 - 1.00	150 x 1	1
61794730	AHI assortment box II	0.50 - 2.50	400 x 1	1
61794740	AHI assortment box III	4.00 - 16.00	100 x 1	1
TWIN assortment box				
61802046	TWIN assortment box	2 x 0,75 - 2 x 2,5	200 x 1	1

Photographs are not to scale and do not represent detailed images of the respective products.



Conductor end sleeves XL, insulated



Info

- Suitable conductor end sleeves for UL(MTW)-CSA-HAR multi-standard single cores

Benefits

- The specially produced conductor end sleeves with funnel-shaped insulation sleeve opening make it significantly easier to slip on the strands.

Application range

- Suitable conductor end sleeves for UL(MTW)-CSA-HAR multi-standard single cores
- Because of their certifications for numerous markets, special conductor end sleeves with the cross sections listed below are needed for our multi-standard single cores.
- The conductor is permanently connected to the collar by crimping

Norm references / Approvals

- All DIN conductor end-sleeves are in accordance with DIN 46228 Part 4
- CSA approved, File-Number: 2110332
- A CSA mark with the indication "C" and "US" means that the product is certified both for the U.S. and Canadian markets, to the applicable U.S. and Canadian standards.

Note

- For 0,25 mm², 4 mm², 6 mm² and 10 mm² the standard AHI end sleeves could be used as the insulation thickness does only vary slightly from "standard cables".

Suitable cables

- MULTI-STANDARD SC 1 Page 211
- MULTI-STANDARD SC 2.2
- MULTI-STANDARD SC 2.1

Suitable tools

- PEW 8.186 crimping pliers refer to page 1015
- MULTICRIMP 6 crimping pliers
- PEW 8.87 crimping pliers refer to page 1016

Technical data



ETIM 5.0 Class-ID: EC000005
ETIM 5.0 Class-Description:
Cable end sleeve



Certifications

In accordance with DIN 46228



Note

For processing tools see the keyword index "crimping pliers for conductor end sleeves"



Info

Halogen-free and silicone-free



Material

Sleeve made of tin-plated electrolytic copper
Polypropylene plastic collar



Temperature range

Permanent load -5°C up to +105°C,
temporary load +120°C

Article number	Article designation	For mm ²	AWG	Colour	l1 mm	l2 mm	d 1 mm	s1 mm	d 2 mm	s2 mm	Pieces / PU
Conductor end sleeves XL, insulated											
61802061	Conductor end sleeves XL 0.5 WH 8	0.50	20	white	13.5	8	1.1	0.15	3	0.25	500
61802062	Conductor end sleeves XL 0.5 WH 10	0.50	20	white	15.5	10	1.1	0.15	3	0.25	500
61802063	Conductor end sleeves XL 0.75 GY 8	0.75	18	grey	14	8	1.3	0.15	3.4	0.3	500
61802064	Conductor end sleeves XL 0.75 GY 10	0.75	18	grey	16	10	1.3	0.15	3.4	0.3	500
61802065	Conductor end sleeves XL 1.0 RD 8	1.00	18	red	14	8	1.5	0.15	3.4	0.3	500
61802066	Conductor end sleeves XL 1.0 RD 10	1.00	18	red	16	10	1.5	0.15	3.4	0.3	500
61802067	Conductor end sleeves XL 1.5 BK 8	1.50	16	black	14	8	1.8	0.15	3.8	0.3	500
61802068	Conductor end sleeves XL 1.5 BK 10	1.50	16	black	16	10	1.8	0.15	3.8	0.3	500
61802069	Conductor end sleeves XL 16.0 BU 12	16.00	6	blue	23	12	6	0.2	9.5	0.4	100

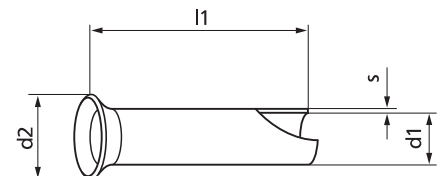
Sleeves are available in 8 and 10 mm lengths, depending on the type of application.

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- Conductor end sleeves insulated refer to page 1007

Conductor end sleeves AH, not insulated



Benefits

- Slightly funnel-shaped opening makes it easy to slip it onto the core

Application range

- Control cabinet wiring

Norm references / Approvals

- In accordance with DIN 46228

Note

- For processing tools see the keyword index "crimping pliers for conductor end sleeves"
- Other sizes are available upon request
- Assortment box 0,5-2,5 mm² (article no.61802048) available upon request

Suitable tools

- PEW 8.185 crimping pliers refer to page 1015
- PEW 8.186 crimping pliers refer to page 1015
- PEW 8.87 crimping pliers refer to page 1016
- KEB 1025 crimping pliers refer to page 1016
- KEB 3550 crimping pliers refer to page 1016
- CK 90 crimping pliers refer to page 1017

Technical data



ETIM 5.0 Class-ID: EC000005
ETIM 5.0 Class-Description:
Cable end sleeve



Material
Tinned electrolyte copper



Temperature range
- 55 °C up to +200 °C

Article number	Article designation	For mm ²	AWG	l1 mm	d 1 mm	d 2 mm	s mm	Pieces / PU
Conductor end sleeves AH, not insulated								
62120200	AH DIN 0,5/6	0.50	20	6	1	2.1	0.15	500
62120210	AH DIN 0,75/6	0.75	20	6	1.2	2.3	0.15	500
61721530	AH DIN 0,75/10	0.75	20	10	1.2	2.3	0.15	500
62120220	AH DIN 1/6	1.00	18	6	1.4	2.5	0.15	500
61721540	AH DIN 1/10	1.00	18	10	1.4	2.5	0.15	500
62120230	AH DIN 1,5/7	1.50	16	7	1.7	2.8	0.15	500
61721550	AH DIN 1,5/10	1.50	16	10	1.7	2.8	0.15	500
62120240	AH DIN 2,5/7	2.50	14	7	2.2	3.4	0.15	500
61721560	AH DIN 2,5/12	2.50	14	12	2.2	3.4	0.15	500
62120250	AH DIN 4/9	4.00	12	9	2.8	4	0.2	500
62120260	AH DIN 6/10	6.00	10	10	3.5	4.7	0.2	500
62120270	AH DIN 10/12	10.00	8	12	4.5	5.8	0.2	500
62120280	AH DIN 16/12	16.00	6	12	5.8	7.5	0.2	500

Other sizes are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products.



QUADRO multifunction tool



Benefits

- Integration of four key functions: cutting - insulation stripping - twisting - crimping- in one tool
- Perfect synthesis of ergonomics and functionality
- High mechanical advantage assures easy crimping.
- Changing the magazine for another cross-section takes only seconds
- No adjustment necessary for different cross-sections

Application range

- Multi-function tool
- Twisting
- Crimping
- Cutting
- Connection and crimping of insulated end sleeves

Product features

- Cutting of wires up to 2.5 mm diameter
- Fanning out of strands is prevented by the integrated twist device

Norm references / Approvals

- Trapezoidal pressing in accordance with VDE 0609 Part I
- GS-logo for proven safety

Note

- Only use the end sleeves which are particular meant for the QUADRO tool

Included

- Article no. 61805300: Case with tool and three magazines
- Article no. 61805301: Tool without case and magazine
- Article no. 61805302: Storage box for conductor end sleeves

Technical data



ETIM 5.0 Class-ID: EC000163

ETIM 5.0 Class-Description:

Cable stripping tool

Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Pieces / PU
QUADRO multifunction tool					
61805300	QUADRO Set	0.50 - 2.50	Similar to trapezoid	-	1
61805301	QUADRO pliers	0.50 - 2.50	Similar to trapezoid	0.22	1
61805302	QUADRO magazine	0.50 - 2.50	Similar to trapezoid	-	1

Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Accessories

- DIN-strips for QUADRO refer to page 1009



PEW 8.185 crimping pliers / PEW 8.186 crimping pliers



PEW 8.185 crimping pliers



PEW 8.186 crimping pliers

Benefits

- Improved versions of the predecessors PEW 8.84/MULTICRIMP 6:
 - Expanded capacity
 - Average hand force reduced by approx. 20 % compared to previous model
 - Reduced opening width and improved ergonomics
 - High-precision die geometry leads to a clearly defined crimp shape of the ferrule
- Uniform feed on the crimp die guarantees exact crimping profiles
- DIN compliant crimping quality due to integral lock (self-releasing mechanism)
- Automatic self-adjustment to requested wire size

Application range

- Could be used up to a sleeve length of 20 mm (for sleeves longer than 12 mm at least 2 crimps are necessary)
- For pressing insulated and non-insulated conductor end sleeves

PEW 8.185 crimping pliers

- Cross-section range from 0.08 - 16 mm² with square pressing

PEW 8.186 crimping pliers

- Cross-section range from 0.08 - 10 mm² with hexagonal pressing

Product features

- Made of chromium-plated tool steel
- Made in Germany

Note

- End sleeves up to 12 mm only needs to be pressed once, longer end sleeves (up to a 20 mm lengths) needs to be pressed at least twice

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Length (mm)	Pieces / PU
PEW 8.185 crimping pliers						
61813736	PEW 8.185	0.08 - 16.00	square	0.38	180	1
PEW 8.186 crimping pliers						
61813737	PEW.8.186	0.08 - 10.00	hexagon	0.38	180	1

Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Similar products

- PEW 8.87 crimping pliers refer to page 1016

Accessories

- Conductor end sleeves insulated refer to page 1007
- Conductor end sleeves AH, not insulated refer to page 1013

PEW 8.87 crimping pliers



Benefits

- For the simplest handling where space is limited (control cabinets, machinery/ internal wiring)
- Covers a wide range of diameters: 0,08 - 10 mm² (PEW 8.87) 0,08-16 mm² (PEW 8.87 Plus)
- Made in Germany
- Leverage grip boosts crimp power for tireless working

Application range

- Crimping tool for end sleeves (square form)
- Self-adjusts to the desired ferrule size
- Square crimping profile with four profiled crimping surfaces

Product features

- Burnished

Product Make-up

- PEW 8.87: With front and side feed (up to 2,5 mm²)
- PEW 8.87 Plus: With front feed

Note

- Recommended for end sleeves up to 16 mm length- for longer end sleeves we recommend the use of the PEW 8.185/8.186 (several crimps necessary) or the use of the PEW 12 tool with the suitable insert

End sleeves up to 12 mm only needs to be pressed once, longer end sleeves (up to a 20 mm lengths) needs to be pressed at least twice

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection



General

Pressing length: up to 16 mm
Crimping profile: Square

Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Length (mm)	Pieces / PU
PEW 8.87 crimping pliers						
61813742	PEW 8.87	0.08 - 10.00	square	0.475	190	1
61813744	PEW 8.87 Plus	0.08 - 16.00	square	0.475	190	1

Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Accessories

- Conductor end sleeves insulated refer to page 1007

KEB 1025 crimping pliers / KEB 3550 crimping pliers



KEB 1025 crimping pliers

KEB 3550 crimping pliers

Benefits

- Unique mechanism reduces the manual force from 450 N to 250 N
- Handles suit both large and small hands
- Locking function that is released only after completion of the pressing operation
- Tested for a minimum of 80,000 pressings

Application range

KEB 1025 crimping pliers

- Mini-force tools for pressing insulated and non-insulated conductor end sleeves from 10 - 25 mm²

KEB 3550 crimping pliers

- Mini-force tools for pressing insulated and non-insulated conductor end sleeves from 35 - 50 mm²

Product features

- Emergency release, if the pressing operation needs to be interrupted

Norm references / Approvals

KEB 1025 crimping pliers

- Tested in accordance with DIN standard EN 60352-2

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection



Note

Crimping profile: Particular developed form in the style of a W-crimp

Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Length (mm)	Pieces / PU
KEB 1025 crimping pliers						
61791065	KEB 1025	10.00 - 25.00	trapezoid	0.5	220	1
KEB 3550 crimping pliers						
61791095	KEB 3550	35.00 - 50.00	trapezoid	0.5	220	1

Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Accessories

KEB 1025 Crimpzange

- Conductor end sleeves insulated refer to page 1007



CK 90 crimping pliers

Benefits

- Forced locking guarantees complete pressing

Application range

- Crimping tool for very large conductor end sleeves from 50 - 95 mm²
- For pressing insulated and non-insulated conductor end sleeves

Product features

- 3 pressing matrices with side insertion: 50/ 70/ 95 mm²

Technical data



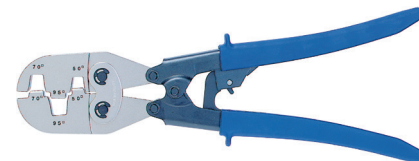
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection



General
Width: 90 mm



Note
Crimping profile: Trapezoid



Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Length (mm)	Pieces / PU
CK 90 crimping pliers						
62120189	CK 90	50.00 - 90.00	trapezoid	0.18	300	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Conductor end sleeves insulated refer to page 1007



KEBS 0560 TWIN crimping pliers



Benefits

- Locking function that is released only after completion of the pressing operation
- Unique mechanism reduces the manual force from 450 N to 250 N
- Handles suit both large and small hands
- Tested for a minimum of 80,000 pressings

Application range

- Pliers with front pressing for insulated/ non-insulated conductor end sleeves and TWIN conductor end sleeves

Product features

- Pressing length: up to 16 mm
- Front feed

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection



General
Adjustable crimping pressure



Note
Crimping profile: Trapezoid

Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Length (mm)	Pieces / PU
KEBS 0560 TWIN crimping pliers						
61791055	KEBS 0560 TWIN	2x0,5 - 2x4 (0,1 - 6)	trapezoid	0.5	220	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- TWIN conductor end sleeves refer to page 1010



Insulated cable lugs



Benefits

- EASY-ENTRY funnel shape of the plastic sleeve enables simple, fast and safe insertion of the conductor
- No risk of bent and crushed cables
- For good strength and improved current conduction

Application range

- Manufacturing of control cabinets and equipment

Product features

- Hard-soldered cable lug that can be pressed in any position
- For first-class connection with simple operating principle
- Electrolytic tinning for max. corrosion protection
- Flat receptacle material in contact pressing is double-folded and hard-soldered
- Metal sleeves with internal corrugation

Norm references / Approvals

- Tested in accordance with DIN IEC 60352 / SEN 245010 / BS 4579
- Design 1+2: DIN 46237
- Design 7: DIN 46228
- File Number E334109, see table

Note

- Butt connector: Solid conductors and fine stranded wires and diverse cross-sections can be crimped together

Design

- 1 = ring cable lugs
- 2 = forked cable lugs
- 3 = pin cable lugs
- 4 = circular connector
- 5 = connector sleeve
- 6 = butt connector
- 7 = end connector (see pictures- from left to right)

Suitable tools

- DSA 0110 + DSA 0725 crimping pliers refer to page 1024
- CSA 0760 + KSA 0760 crimping pliers refer to page 1024

Technical data

ETIM 5.0 Class-ID: EC001052
ETIM 5.0 Class-Description: Solderless copper terminals for copper conductors



General

Other sizes and colours (also DIN) are available upon request
Halogen-free



Note

For processing tools see the keyword index "crimping pliers for other connections"



Material

High-quality electrolytic copper for good conductivity
Polyamide insulation



Temperature range

-20°C to +105°C
Short-term: up to +120°C

Article number	Article designation	For mm ²	UL certification	Connection bolt	Core colour	Pieces / PU
Ring cable lugs						
63104010	L-RZ 3	0.25 - 0.75	no	M 3	green	100
63104020	L-RZ 4	0.25 - 0.75	no	M 4	green	100
63104030	L-RZ 5	0.25 - 0.75	no	M 5	green	100
63104040	L-RA 3	0.5 - 1.5	yes	M 3	red	100
63104050	L-RA 3.5	0.5 - 1.5	yes	M 3.5	red	100
63104060	L-RA 4	0.5 - 1.5	yes	M 4	red	100
63104070	L-RA 5	0.5 - 1.5	yes	M 5	red	100
63104080	L-RA 6	0.5 - 1.5	yes	M 6	red	100
63104160	L-RB 3	1.5 - 2.5	yes	M 3	blue	100
63104170	L-RB 4	1.5 - 2.5	yes	M 4	blue	100
63104180	L-RB 5	1.5 - 2.5	yes	M 5	blue	100
63104190	L-RB 6	1.5 - 2.5	yes	M 6	blue	100
63104200	L-RB 8	1.5 - 2.5	yes	M 8	blue	100
63104340	L-RC 4	4 - 6	yes	M 4	yellow	100
63104350	L-RC 5	4 - 6	yes	M 5	yellow	50
63104360	L-RC 6	4 - 6	yes	M 6	yellow	50
63104370	L-RC 8	4 - 6	yes	M 8	yellow	100
63104380	L-RC 10	4 - 6	yes	M 10	yellow	50
Fork cable lugs						
63105010	L-RZ 3 F	0.25 - 0.75	no	M 3	green	100
63105020	L-RZ 4 F	0.25 - 0.75	no	M 4	green	100
63105050	L-RA 4 F	0.5 - 1.5	yes	M 4	red	100
63105060	L-RA 5 F	0.5 - 1.5	yes	M 5	red	100
63105070	L-RA 6 F	0.5 - 1.5	yes	M 6	red	100
63105130	L-RB 4 F	1.5 - 2.5	yes	M 4	blue	100
63105140	L-RB 5 F	1.5 - 2.5	yes	M 5	blue	100
63105150	L-RB 6 F	1.5 - 2.5	yes	M 6	blue	100
63105210	L-RC 4 F	4 - 6	yes	M 4	yellow	100
63105220	L-RC 5 F	4 - 6	yes	M 5	yellow	100
63105230	L-RC 6 F	4 - 6	yes	M 6	yellow	50
63105040	L-RA 3.5 F	0.5 - 1.5	yes	M 3.5	red	100
63105110	L-RB 3 F	1.5 - 2.5	yes	M 3	blue	100
63105120	L-RB 3.5 F	1.5 - 2.5	yes	M 3.5	blue	100
Flange fork cable lugs						
63108010	L-RA 3.5 FF	0.5 - 1.5	no	M 3.5	red	100
63108040	L-RB 4 FF	1.5 - 2.5	no	M 4	blue	100
63108050	L-RB 5 FF	1.5 - 2.5	no	M 5	blue	100

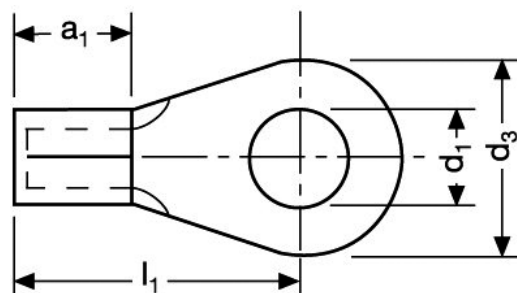
Article number	Article designation	For mm ²	UL certification	Connection bolt	Core colour	Pieces / PU
Pin cable lugs						
63107010	L-RZP	0.25 - 0.75	no		green	100
63107020	L-RAP	0.5 - 1.5	yes		red	100
63107040	L-RBP	1.5 - 2.5	yes		blue	100
63107070	L-RCP	4 - 6	yes		yellow	100
Circular connector						
63110010	L-RABM	0.5 - 1.5	no		red	100
63110020	L-RB 5 BM	1.5 - 2.5	no		blue	100
Connector sleeve						
63111010	L-RAB	0.5 - 1.5	no		red	100
63111020	L-RB 5 B	1.5 - 2.5	no		blue	100
Butt connector						
63106020	L-RAA 15	0.5 - 1.5	yes		red	100
63106040	L-RBB 25	1.5 - 2.5	yes		blue	100
63106080	L-RCC 6	4 - 6	yes		yellow	50
End joint						
63112010	L-RBJ	1.5 - 2.5	no		transparent	100
63112020	L-RCJ	4 - 6	no		transparent	50

Other sizes and colours are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products.

Production tolerance $\pm 0,5$ mm

Solderless cable lugs KB



Benefits

- For first-class connection with simple operating principle
- Thus providing the best electrical conductivity (least resistance)

Application range

- For cables with category 2,5 and 6 conductors
- Manufacturing of control cabinets and equipment
- Trains and buses

Norm references / Approvals

- In accordance with VG 88710
- Coil form DIN 46234, non-insulated

Note

- For processing tools see the keyword index "crimping pliers for other connections"

Suitable tools

- PEW 12 universal tool refer to page 1034
- V 1311-A pressing pliers, hydraulic refer to page 1030
- DKB 0325 + DKB 0360 crimping pliers refer to page 1026

Technical data



ETIM 5.0 Class-ID: EC001052
ETIM 5.0 Class-Description: Solderless copper terminals for copper conductors



Note
s = thickness of material



Material
High-quality electrolytic copper for good conductivity



Temperature range
Max. temperature: +120°C (short-term)
Temperature range up to +90°C

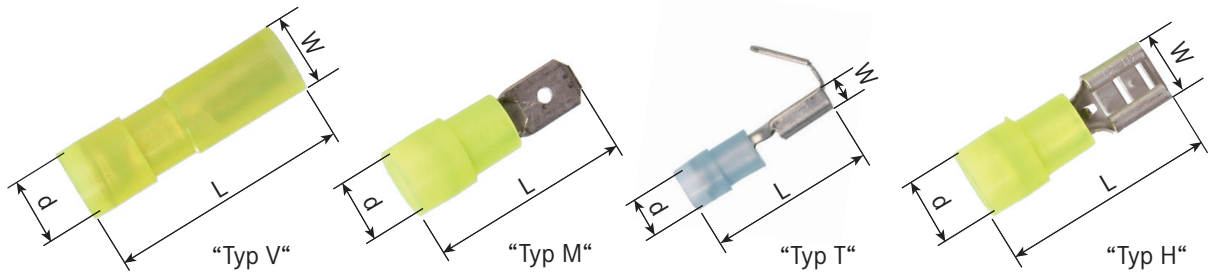
Article number	Article designation	For mm ²	UL certification	AWG	Nominal size	d1	d3	l1	a1	s	Pieces / PU
Solderless cable lugs KB											
63204015	KB1-2,5R DIN 46234	0.5 - 1.5	no	22-16	2.5-1.0	2.8	6	11	5		100
63204025	KB1-3R DIN 46234	0.5 - 1.5	no	22-16	3.2-1.0	3.2	6	11	5	0.8	100
63204035	KB1-3,5R DIN 46234	0.5 - 1.5	no	22-16	3.5-1.0	3.7	6	11	5	0.8	100
63204045	KB1-4R DIN 46234	0.5 - 1.5	no	22-16	4.0-1.0	4.3	8	12	5	0.8	100
63204055	KB1-5R DIN 46234	0.5 - 1.5	no	22-16	5.0-1.0	5.3	10	13	5	0.8	100
63204065	KB1-6R DIN 46234	0.5 - 1.5	no	22-16	6.0-1.0	6.5	10	13	5	0.8	100
63204075	KB1-8R DIN 46234	0.5 - 1.5	no	22-16	8.0-1.0	8.4	14	17	5	0.8	100
63204085	KB1-10R DIN 46234	0.5 - 1.5	no	22-16	10.0-1.0	10.5	14	17	5	0.8	100
63204095	KB2,5-3R DIN 46234	1.5 - 2.5	no	16-14	3.0-2.5	3.2	6	11	5	0.8	100
63204105	KB2,5-3,5R DIN 46234	1.5 - 2.5	no	16-14	3.5-2.5	3.7	6	11	5	0.8	100
63204115	KB2,5-4R DIN 46234	1.5 - 2.5	no	16-14	4.0-2.5	4.3	8	12	5	0.8	100
63204125	KB2,5-5R DIN 46234	1.5 - 2.5	no	16-14	5.0-2.5	5.3	10	14	5	0.8	100
63204135	KB2,5-6R DIN 46234	1.5 - 2.5	no	16-14	6.0-2.5	6.5	11	16	5	0.8	100
63204145	KB2,5-8R DIN 46234	1.5 - 2.5	no	16-14	8.0-2.5	8.4	14	17	5	0.8	100
63204155	KB2,5-10R DIN 46234	1.5 - 2.5	no	16-14	10.0-2.5	10.5	14	17	5	0.8	100
63204165	KB2,5-12R DIN 46234	1.5 - 2.5	no	16-14	12.0-2.5	13	18	20	5	0.8	100
63204175	KB6-4R DIN 46234	2.5 - 6	no	12-10	4.0-6.0	4.3	8	14	6	1	100
63204185	KB6-5R DIN 46234	2.5 - 6	no	12-10	5.0-6.0	5.3	10	15	6	1	100

Article number	Article designation	For mm ²	UL certification	AWG	Nominal size	d1	d3	l1	a1	s	Pieces / PU
63204195	KB6-6R DIN 46234	2.5 - 6	no	12-10	6.0-6.0	6.5	11	16	6	1	100
63204205	KB6-8R DIN 46234	2.5 - 6	no	12-10	8.0-6.0	8.4	14	19	6	1	100
63204215	KB6-10R DIN 46234	2.5 - 6	no	12-10	10.0-6.0	10.5	18	21	6	1	100
63204225	KB6-12R DIN 46234	2.5 - 6	no	12-10	12.0-6.0	13	18	21	6	1	100
63204235	KB10-5R DIN 46234	10	no	8	5.0-10.0	5.3	10	16	8	1.1	100
63204245	KB10-6R DIN 46234	10	no	8	6.0-10.0	6.5	11	17	8	1.1	100
63204255	KB10-8R DIN 46234	10	no	8	8.0-10.0	8.4	14	20	8	1.1	100
63204265	KB10-10R DIN 46234	10	no	8	10.0-10.0	10.5	18	21	8	1.1	100
63204275	KB10-12R DIN 46234	10	no	8	12.0-10.0	13	22	23	8	1.1	100
63204285	KB16-5R DIN 46234	16	no	6	5.0-16.0	5.3	11	20	10	1.2	100
63204295	KB16-6R DIN 46234	16	no	6	6.0-16.0	6.5	11	20	10	1.2	100
63204305	KB16-8R DIN 46234	16	no	6	8.0-16.0	8.4	14	22	10	1.2	100
63204315	KB16-10R DIN 46234	16	no	6	10.0-16.0	10.5	18	24	10	1.2	100
63204325	KB16-12R DIN 46234	16	no	6	12.0-16.0	13	22	26	10	1.2	100
63204335	KB25-5R DIN 46234	25	no	4	5.0-25.0	5.3	12	25	11	1.5	100
63204345	KB25-6R DIN 46234	25	no	4	6.0-25.0	6.5	12	25	11	1.5	100
63204355	KB25-8R DIN 46234	25	no	4	8.0-25.0	8.4	16	25	11	1.5	100
63204365	KB25-10R DIN 46234	25	no	4	10.0-25.0	10.5	18	26	11	1.5	100
63204375	KB25-12R DIN 46234	25	no	4	12.0-25.0	13	31	31	11	1.5	100
63204385	KB25-16R DIN 46234	25	no	4	16.0-25.0	17	35	36	11	1.5	100
63204395	KB35-6R DIN 46234	35	no	2	6.0-35.0	6.5	15	26	12	1.6	100
63204405	KB35-8R DIN 46234	35	no	2	8.0-35.0	8.4	16	26	12	1.6	100
63204415	KB35-10R DIN 46234	35	no	2	10.0-35.0	10.5	18	27	12	1.6	100
63204425	KB35-12R DIN 46234	35	no	2	12.0-35.0	13	22	31	12	1.6	100
63204435	KB35-16R DIN 46234	35	no	2	16.0-35.0	17	28	36	12	1.6	100
63204445	KB50-6R DIN 46234	50	no	1/0	6.0-50.0	6.5	18	34	16	1.8	100
63204455	KB50-8R DIN 46234	50	no	1/0	8.0-50.0	8.4	18	34	16	1.8	100
63204465	KB50-10R DIN 46234	50	no	1/0	10.0-50.0	10.5	18	34	16	1.8	100
63204475	KB50-12R DIN 46234	50	no	1/0	12.0-50.0	13	22	36	16	1.8	100
63204485	KB50-16R DIN 46234	50	no	1/0	16.0-50.0	17	28	40	16	1.8	100
63204495	KB70-6R DIN 46234	70	no	2/0	6.0-70.0	6.5	22	38	18	2	100
63204505	KB70-8R DIN 46234	70	no	2/0	8.0-70.0	8.4	22	38	18	2	100
63204515	KB70-10R DIN 46234	70	no	2/0	10.0-70.0	10.5	22	38	18	2	100
63204525	KB70-12R DIN 46234	70	no	2/0	12.0-70.0	13	22	38	18	2	100
63204535	KB70-16R DIN 46234	70	no	2/0	16.0-70.0	17	28	42	18	2	100
63204545	KB95-8R DIN 46234	95	no	3/0	8.0-95.0	8.4	24	42	20	2.5	50
63204555	KB95-10R DIN 46234	95	no	3/0	10.0-95.0	10.5	24	42	20	2.5	50
63204565	KB95-12R DIN 46234	95	no	3/0	12.0-95.0	13	24	42	20	2.5	50
63204575	KB95-16R DIN 46234	95	no	3/0	16.0-95.0	17	28	44	20	2.5	50
63204585	KB120-8R DIN 46234	120	no	4/0	8.0-120.0	8.4	24	44	22	3	25
63204595	KB120-10R DIN 46234	120	no	4/0	10.0-120.0	10.5	24	44	22	3	25
63204605	KB120-12R DIN 46234	120	no	4/0	12.0-120.0	13	24	44	22	3	25
63204615	KB120-16R DIN 46234	120	no	4/0	16.0-120.0	17	28	48	22	3	25
63204625	KB150-10R DIN 46234	150	no	5/0	10.0-150.0	10.5	30	50	24	3.2	25
63204635	KB150-12R DIN 46234	150	no	5/0	12.0-150.0	13	30	50	24	3.2	25
63204645	KB150-16R DIN 46234	150	no	5/0	16.0-150.0	17	30	50	24	3.2	25
63204655	KB185-10R DIN 46234	185	no	6/0	10.0-185.0	10.5	36	50	28	3.5	20
63204665	KB185-12R DIN 46234	185	no	6/0	12.0-185.0	13	36	50	28	3.5	20
63204675	KB185-16R DIN 46234	185	no	6/0	16.0-185.0	17	36	50	28	3.5	20
63204685	KB240-10R DIN 46234	240	no	7/0	10.0-240.0	10.5	38	56	32	4	10
63204695	KB240-12R DIN 46234	240	no	7/0	12.0-240.0	13	38	56	32	4	10
63204705	KB240-16R DIN 46234	240	no	7/0	16.0-240.0	17	38	56	32	4	10

Photographs are not to scale and do not represent detailed images of the respective products.



Panel connectors insulated



Benefits

- For first-class connection with simple operating principle
- Hard-soldered cable lug that can be pressed in any position
- Thus providing the best electrical conductivity (least resistance)
- No risk of bent and crushed cables

Application range

- Control cabinet manufacturing
- Cable assembly

Norm references / Approvals

- File Number E334111, see table

Design

- For higher tensile strength
- For good strength and improved current conduction
- Flat receptacle material in contact pressing is double-folded and hard-soldered
- EASY-ENTRY funnel shape of the plastic sleeve enables simple, fast and safe insertion of the conductor
- 1 = push-on female terminal, type H
2 = push-on piggyback terminal, type T
3 = push-on male terminal, type M
4 = push-on female terminal (fully insulated), type V

Suitable tools

- DSA 0110 + DSA 0725 crimping pliers refer to page 1024
- CSA 0760 + KSA 0760 crimping pliers refer to page 1024

Technical data

ETIM 5.0 Class-ID: EC000516
ETIM 5.0 Class-Description: Round plug/flat receptacle

Material
Brass tin-plated
Polycarbonate insulation

Temperature range
-20°C to +105°C
Short-term: up to +120°C

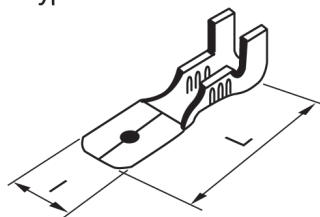
Article number	Article designation	For mm ²	UL certification	Footnote	Colour	Blade connection	d mm	L	W mm	Pieces / PU
Blade receptacle according to DIN 46245 and similar (type H)										
63101020	L-RA 29 H	0.50 - 1.50	yes		red	2.8 x 0.5	3.3	18.5	3.5	100
63101010	L-RA 28 H	0.50 - 1.50	yes		red	2.8 x 0.8	3.3	18.5	3.5	100
63101030	L-RA 49 H	0.50 - 1.50	yes	1.3	red	4.8 x 0.5	3.7	19	5.7	100
63101040	L-RA 48 H	0.50 - 1.50	yes	1.3	red	4.8 x 0.8	3.7	19	5.7	100
63101050	L-RA 63 H	0.50 - 1.50	yes		red	6.3 x 0.8	4	20	7.6	100
63101060	L-RB 48 H	1.50 - 2.50	yes	1.3	blue	4.8 x 0.5	4.4	19	5.7	100
63101070	L-RB 49 H	1.50 - 2.50	yes	1.3	blue	4.8 x 0.8	4.4	19	5.7	100
63101080	L-RB 63 H	1.50 - 2.50	yes		blue	6.3 x 0.8	4.5	20	7.6	100
63101110	L-RC 63 H	4.00 - 6.00	yes		yellow	6.3 x 0.8	6.4	24	7.6	100
63101120	L-RC 95 H	4.00 - 6.00	no		yellow	9.5 x 1.2	6.2	31	11	100
Blade connector (type M)										
63103010	L-RA 63 M	0.50 - 1.50	yes		red	6.3 x 0.8	4	22		100
63103020	L-RB 63 M	1.50 - 2.50	yes		blue	6.3 x 0.8	4.5	22		100
63103040	L-RC 63 M	4.00 - 6.00	yes	1.3	yellow	6.3 x 0.8	6.3	25		100
Blade receptacle branch (type T)										
63102010	L-RA 63 T	0.50 - 1.50	no	1.3	red	6.3 x 0.8	3.7	22	7.4	100
63102020	L-RB 63 T	1.50 - 2.50	no	1.3	blue	6.3 x 0.8	4.3	22	7.5	50
Fully insulated blade receptacle (type V)										
61794951	L-RA 29 V	0.50 - 1.50	yes	2.3	red	2.8 x 0.5	3.8	19.3	5	100
61794952	L-RA 28 V	0.50 - 1.50	yes	2.3	red	2.8 x 0.8	3.8	19.3	5	100
61794953	L-RA 49 V	0.50 - 1.50	yes	2.3	red	4.8 x 0.5	3.6	20.2	7.4	100
61794955	L-RA 48 V	0.50 - 1.50	yes	2.3	red	4.8 x 0.8	3.6	20.2	7.4	100
61794960	L-RA 63 V	0.50 - 1.50	yes		red	6.3 x 0.8	4.4	21	8.8	100
61794969	L-RB 48 V	1.50 - 2.50	yes	2.3	blue	4.8 x 0.8	4.3	20	7.4	100
61794970	L-RB 63 V	1.50 - 2.50	yes		blue	6.3 x 0.8	4.5	21	8.8	100
61794971	L-RC 63 V	4.00 - 6.00	yes	2.3	yellow	6.3 x 0.8	5.3	26	9	100

1 = PVC insulation, not easy-entry; 2 = polyamide (nylon) insulation, not easy-entry; 3 = unsoldered, with additional brass sleeve
Photographs are not to scale and do not represent detailed images of the respective products.

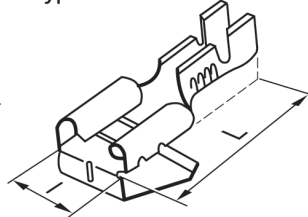
Panel connectors non-insulated



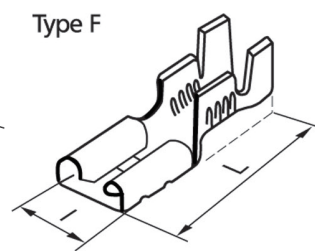
Type M



Type T



Type F



Benefits

- For electrical connection of different components
- Maximum corrosion protection due to electrolytically tinned brass

Suitable tools

- DRB 0505 + DRB 0115 crimping pliers refer to page 1025
- KRB 0560 crimping pliers refer to page 1025

Note

- The choice of the correct tool is depending on the cross-section of the conductor and on the blade connection

Technical data



ETIM 5.0 Class-ID: EC000516
ETIM 5.0 Class-Description:
Round plug/flat receptacle



Material
Brass tin-plated



Temperature range
Temperature range up to +90°C

Article number	Article designation	For mm ²	UL certification	Tool	Blade connection	I	L	Pieces / PU
Blade receptacle according to DIN 46247								
63501060	L-BA 285 F	0.50 - 1.00	no	DRB 0155	2.8 x 0.5	5	12.7	100
63501070	L-BA 288 F	0.50 - 1.00	no	DRB 0155	2.8 x 0.8	5	12.7	100
63501080	L-BA 485 F	0.75 - 1.50	no	KRB 0560	4.8 x 0.5	6.4	16	100
63501090	L-BA 488 F	0.75 - 1.50	no	KRB 0560	4.8 x 0.8	6.4	16	100
63501120	L-BA 638 F	0.75 - 1.50	no	KRB 0560	6.3 x 0.8	7.6	19	100
63501130	L-BB 638 F	1.50 - 2.50	no	KRB 0560	6.3 x 0.8	7.6	19	100
63501140	L-BC 638 F	4.00 - 6.00	no	KRB 0560	6.3 x 0.8	7.6	19	100
Blade receptacle with branching								
63501150	L-BA 638 T	0.50 - 1.50	no	KRB 0560	6.3 x 0.8	7.5	19	100
Panel connectors (Plugs)								
63501071	L-BA 288 M	0.50 - 1.00	no	DRB 0155	2.8 x 0.8	5.5	13	100
63501520	L-BA 638 M	0.50 - 1.00	no	KRB 0560	6.3 x 0.8	8	19	100
63501530	L-BB 638 M	1.50 - 2.50	no	KRB 0560	6.3 x 0.8	8	19	100

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- Panel connectors with latch refer to page 1023

Accessories

- ISO sleeve

Panel connectors with latch

Benefits

- For first-class connection with simple operating principle

Suitable tools

- KRB 0560 crimping pliers refer to page 1025

Technical data



ETIM 5.0 Class-ID: EC000516
ETIM 5.0 Class-Description:
Round plug/flat receptacle



Material
Brass



Temperature range
Typ M: max. +90 °C
Typ F: max. +110 °C



Article number	Article designation	For mm ²	UL certification	Blade connection	I	L	Pieces / PU
Blade connector with locking notch (type M)							
63501020	BM 638 M	1.00 - 2.50	no	6.3 x 0.8	16	28	100
63501022	BM-C 638 M	4.00 - 6.00	no	6.3 x 0.8	16	28	100
Blade receptacle (type F)							
63501010	B 638 F	1.50 - 2.50	no	6.3 x 0.8	7.5	19	100
63501012	B-C 638 F	4.00 - 6.00	no	6.3 x 0.8	7.5	19	100

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- Panel connectors, non-insulated

Panel connector sockets Type M / Type F

Benefits

- Quick and easy separation of connection
- Together with blade connectors, these blade connector strips enable secure and easy assembly
- New connections can be made easily without any confusion

Application range

- Replace terminal blocks or connectors in some occasions

Note

- Only holding function

Technical data



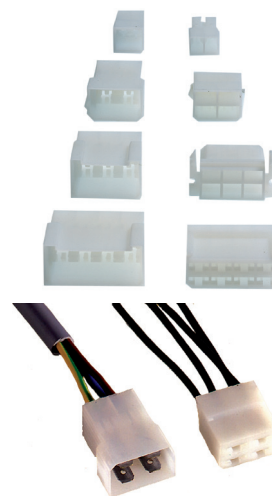
ETIM 5.0 Class-ID: EC000516
ETIM 5.0 Class-Description:
Round plug/flat receptacle



Material
Polyamide



Temperature range
max. +105 °C



Article number	Article designation	UL certification	Number of pins	Width W (mm)	Height (mm)	Depth (mm)	Pieces / PU
Blade connector strips (type M)							
63300100	408-2 M	no	2	15.3	13.2	32.2	100
63300110	408-4 M	no	4	27.5	16.8	32.6	100
63300120	408-6 M	no	6	31.2	18.8	32.9	100
63300130	408-8 M	no	8	40.4	18.8	33.1	100
Panel connector-sockets (type F)							
63300140	408-2 F	no	2	12.6	10	23.2	100
63300150	408-4 F	no	4	24.5	14.1	24	100
63300160	408-6 F	no	6	28.2	14.9	24.3	100
63300170	408-8 F	no	8	37.4	15.4	24.4	100

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Panel connectors non-insulated refer to page 1022



DSA 0110 + DSA 0725 crimping pliers



Benefits

- Suitable for left and right-handed users
- Less force required for perfect pressing
- Clearly marked press moulds
- Cross-section of press matrix is embossed in the cable lugs for checking
- Pressing according to the forced finish system

Application range

- Safety pressing pliers for insulated connections
- For insulated cable lugs, blade connectors and other connectors

Product features

- Emergency release, if the pressing operation needs to be interrupted

Norm references / Approvals

- Tested in accordance with DIN standards

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection



General

Adjustable crimping pressure



Note

Crimping profile: Oval

Article number	Article designation	For mm ²	Weight (kg)	Length (mm)	Pieces / PU
DSA 0110 + DSA 0725 crimping pliers					
61722050	DSA 0110	0,1 - 1,5	0.35	225	1
61722060	DSA 0725	0,5 - 2,5	0.35	192	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Panel connectors insulated refer to page 1021
- Insulated cable lugs refer to page 1018



CSA 0760 + KSA 0760 crimping pliers



Benefits

- Clearly marked press moulds
- Less power required due to special mechanism
- Tested for a minimum of 80,000 pressings
- Pressing according to the forced finish system
- Cross-section of press matrix is embossed in the cable lugs for checking

Product features

- Emergency release, if the pressing operation needs to be interrupted

Norm references / Approvals

- Tested in accordance with DIN standard EN 60352-2

Product Make-up

- CSA 0760: With C-frame, old design
- KSA 0760: With K-frame- extremely long handles for two-handed operation, improved ergonomics

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection



Note

Crimping profile: Oval

Application range

- The Miniforce tool for insulated connections of 0.5 - 6 mm²

Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Length (mm)	Pieces / PU
CSA 0760 + KSA 0760 crimping pliers						
61722070	CSA 0760	0,5 - 6.00	oval	0.5	220	1
61790910	KSA 0760	0,5 - 6.00	oval	0.54	255	1
61751950	Spare spring CSA/KSA/DSA 0760	-				1
61722071	Crimping insert for CSA + KSA 0760	-				1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Panel connectors insulated refer to page 1021
- Insulated cable lugs refer to page 1018



DRB 0505 + DRB 0115 crimping pliers

**Benefits**

- Less force required for perfect pressing
- Locking function for faultless pressing
- Clearly marked press moulds
- Tested for a minimum of 50,000 pressings

Application range

- Roll pressing pliers for non-insulated flat connectors with 2.8 connection
- Also suitable for blade receptacles with latch

Product features

- Emergency release, if the pressing operation needs to be interrupted

Norm references / Approvals

- Tested in accordance with DIN standard EN 60352-2

Product Make-up

- DRB 0505: Cross-section range: 0.05 - 0.5 mm²
- DRB 0115: Cross-section range: 0.1 - 1.5 mm²

Technical data

ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

General
Adjustable crimping pressure

Note
Crimping profile: Roller pressing

Article number	Article designation	For mm ²	Crimping profile	For blade connectors	Weight (kg)	Length (mm)	Pieces / PU
DRB 0505 + DRB 0115 crimping pliers							
61790930	DRB 0505	0,05 - 0,5	roller pressing	2.8	0.35	192	1
61790940	DRB 0115	0,1 - 1,5	roller pressing	2.8	0.35	192	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Panel connectors non-insulated refer to page 1022



KRB 0560 crimping pliers

**Benefits**

- Clearly marked press moulds
- Locking function for faultless pressing
- Handles suit both large and small hands
- Unique mechanism reduces the manual force from 450 N to 250 N
- Tested for a minimum of 80,000 pressings

Application range

- The convenient roll pressing pliers for non-insulated blade connectors of 0.5 - 6 mm² with connection 4.8 and 6.3

Norm references / Approvals

- Tested in accordance with DIN standard EN 60352-2

Note

- The locator ensures the right positioning of the insulation and wire crimp which is particular important for the crimp quality of blade connectors.

Included

- Article number 61790950 is delivered without locator
- Article number 61791100 contains locator

Technical data

ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

General
Adjustable crimping pressure

Note
Crimping profile: Roller pressing

Product features

- Emergency release, if the pressing operation needs to be interrupted

Article number	Article designation	For mm ²	Crimping profile	For blade connectors	Weight (kg)	Length (mm)	Pieces / PU
KRB 0560 crimping pliers							
61790950	KRB 0560 without locator	0,5 - 6.00	roller pressing	4.8 + 6.3	0.54	255	1
61791100	KRB 0560 with locator	0,5 - 6.00	roller pressing	4.8 + 6.3	0.54	255	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Panel connectors non-insulated refer to page 1022

**DKB 0325 + DKB 0360 crimping pliers****Benefits**

- Locking function for faultless pressing
- Clearly marked press moulds
- Less force required for perfect pressing
- Tested for a minimum of 80,000 pressings

Application range

- Safety pressing pliers for non-insulated connections
- For non-insulated cable lugs, other connectors and tubular cable lugs KR

Product features

- Emergency release, if the pressing operation needs to be interrupted

Norm references / Approvals

- Tested in accordance with DIN standard EN 60352-2

Product Make-up

- DKB 0325: Cross-section range: 0.25 - 2.5 mm²
- DKB 0360: Cross-section range: 0.25 - 6.0 mm²

Technical data

ETIM 5.0 Class-ID: EC000168

ETIM 5.0 Class-Description:

Crimp tool cable lugs, cable end sleeves, screen connection

**General**

Adjustable crimping pressure

**Note**

Crimping profile: Mandrel pressing

Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Length (mm)	Pieces / PU
DKB 0325 + DKB 0360 crimping pliers						
61722110	DKB 0325	0,25 - 2,5	mandrel pressing	0.35	192	1
61790920	DKB 0360	0,25 - 6.00	mandrel pressing	0.35	192	1

Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also download here: <http://www.lappkabel.com/instructions.html>**Accessories**

- Solderless cable lugs KB refer to page 1019

**KWB 4099 crimping pliers****Benefits**

- Clearly marked press moulds
- Locking function for faultless pressing
- Handles suit both large and small hands
- Unique mechanism reduces the manual force from 450 N to 250 N
- Tested for a minimum of 80,000 pressings

Application range

- The Miniforce tool for non-insulated connections of 4 - 10 mm²
- For non-insulated cable lugs, other connectors and tubular cable lugs KR

Product features

- Emergency release, if the pressing operation needs to be interrupted

Technical data

ETIM 5.0 Class-ID: EC000168

ETIM 5.0 Class-Description:

Crimp tool cable lugs, cable end sleeves, screen connection

**General**

Adjustable crimping pressure

**Note**

Crimping profile: W-pressing

Article number	Article designation	For mm ²	Weight (kg)	Length (mm)	Pieces / PU
KWB 4099 crimping pliers					
61722130	KWB 4099	4.00 - 10.00	0.5	220	1

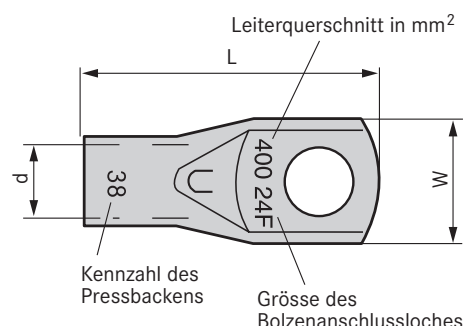
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Tube cable lugs KR/ KRT/ KRF refer to page 1027
- Solderless cable lugs KB refer to page 1019



Tube cable lugs KR/ KRT/ KRF



Benefits

- With inspection hole (starting from 4 mm²)
- High-quality electrolytic copper ensures a good crimping quality

Application range

- **KR:** For fine and multi-wire copper conductors (class 2 and 5) with a cross-sectional range of 0.75 - 10.00 mm²
- **KRT:** For multi-wire copper conductors (class 2) with a cross-sectional range of 10 - 1000 mm²
- **KRF:** For fine wire copper conductors (class 2 and 5) with a cross-sectional range of 16 - 800 mm²
- Mainly for connection to rails and to copper connectors
- Max. 48 kV

Norm references / Approvals

- In combination with recommended crimp tool fulfill requirements of SS-EN 61238-1, BS 4579:1, VDE 0220:1, EN-IEC 61238:1
- UL file number: E205350 (see table)

Technical data

- ETIM** ETIM 5.0 Class-ID: EC001051
ETIM 5.0 Class-Description:
Tube cable lug for copper conductors
- Material**
Tinned electrolyte copper
(Cu/Sn4, tin surface of 4μ)
- Temperature range**
Temperature range up to +90°C
Working temperature:
110°C, max. +140°C

Article number	Article designation	Screw hole Ø (mm)	UL certification	Length (mm)	Pressing dies	d mm	W mm	Pieces / PU
KR								
61796480	KR 0,75/3	3	no	16		1.3	6	100
61796490	KR 0,75/4	4	no	17		1.3	6	100
61796500	KR 1,5/3	3	yes	16		1.8	6.5	100
61796510	KR 1,5/4	4	yes	17		1.8	6.5	100
61796520	KR 1,5/5	5	yes	18		1.8	7.5	100
61796530	KR 2,5/3	3	yes	17		2.3	7.5	100
61796540	KR 2,5/4	4	yes	18		2.3	7.5	100
61796550	KR 2,5/5	5	yes	19		2.3	8.5	100
61796560	KR 2,5/6	6	yes	19		2.3	8.5	100
61796570	KR 4/4	4	yes	21		3	8.5	100
61796580	KR 4/5	5	yes	22		3	9	100
61796590	KR 4/6	6	yes	23		3	10	100
61796600	KR 6/4	4	yes	22		4	9.5	100
61796610	KR 6/5	5	yes	22		4	9.5	100
61796620	KR 6/6	6	yes	23		4	10	100
61796630	KR 6/8	8	yes	30		4	13.5	100
61796631	KR 10/5	5	yes	29	B 7/ B 8	5	11.5	100
61796632	KR 10/6	6	yes	29	B 7/ B 8	5	11.5	100
61796633	KR 10/8	8	yes	33	B 7/ B 8	5	13.5	100
KRT								
61796640	KRT 10/5	5	yes	29	B 7	4.5	10	100
61796650	KRT 10/6	6	yes	29	B 7	4.5	10	100
61796660	KRT 10/8	8	yes	34	B 7	4.5	13	100
61796670	KRT 10/10	10	yes	34	B 7	4.5	16	100
61796680	KRT 10/12	12	yes	41	B 7	4.5	19	100
61796690	KRT 16/5	5	yes	34	B 8.5	5.5	12	100
61796700	KRT 16/6	6	yes	34	B 8.5	5.5	12	100
61796710	KRT 16/8	8	yes	39	B 8.5	5.5	15	100
61796720	KRT 16/10	10	yes	39	B 8.5	5.5	16	100
61796730	KRT 16/12	12	yes	47	B 8.5	5.5	19	100
61796740	KRT 25/6	6	yes	43	B 10	7	14	100
61796750	KRT 25/8	8	yes	43	B 10	7	15	100
61796760	KRT 25/10	10	yes	43	B 10	7	16	100
61796770	KRT 25/12	12	yes	48	B 10	7	19	100
61796780	KRT 35/6	6	yes	49	B 12	8.5	17	100
61796790	KRT 35/8	8	yes	49	B 12	8.5	17	100
61796800	KRT 35/10	10	yes	49	B 12	8.5	19	100
61796810	KRT 35/12	12	yes	53	B 12	8.5	22	100
61796820	KRT 50/6	6	yes	53	B 14	10	20	50

Article number	Article designation	Screw hole Ø (mm)	UL certification	Length (mm)	Pressing dies	d mm	W mm	Pieces / PU
61796830	KRT 50/8	8	yes	53	B 14	10	20	50
61796840	KRT 50/10	10	yes	53	B 14	10	20	50
61796850	KRT 50/12	12	yes	56	B 14	10	22	50
61796860	KRT 70/8	8	yes	55	B 16	12	23	50
61796870	KRT 70/10	10	yes	55	B 16	12	23	50
61796880	KRT 70/12	12	yes	58	B 16	12	23	50
61796890	KRT 95/8	8	yes	60	B 18	13.5	26	50
61796900	KRT 95/10	10	yes	60	B 18	13.5	26	50
61796910	KRT 95/12	12	yes	63	B 18	13.5	26	50
61796920	KRT 95/16	16	yes	69	B 18	13.5	28	50
61796930	KRT 120/10	10	yes	64	B 19	15	28	50
61796940	KRT 120/12	12	yes	64	B 19	15	28	50
61796950	KRT 120/16	16	yes	70	B 19	15	28	50
61796960	KRT 150/12	12	no	76	B 22	17	32	25
61796970	KRT 150/16	16	no	76	B 22	17	32	25
61796990	KRT 185/12	12	no	79	13 B 24	19	35	25
61797000	KRT 185/16	16	no	79	13 B 24	19	35	25
61797020	KRT 240/12	12	no	86	13 B 26	21	38	25
61797030	KRT 240/16	16	no	86	13 B 26	21	38	25
61797050	KRT 300/16	16	no	100	13 B 30	24	44	10
61797080	KRT 400/20	20	no	114	13 B 32	26	48	10
KRF								
61803020	KRF 16/6	6	yes	34	B 9	6	13	100
61803030	KRF 16/8	8	yes	34	B 9	6	13	100
61803040	KRF 16/10	10	yes	38	B 9	6	16	100
61803050	KRF 16/12	12	yes	47	B 9	6	22	100
61803060	KRF 25/6	6	yes	39	B 11	8	16	100
61803070	KRF 25/8	8	yes	39	B 11	8	16	100
61803080	KRF 25/10	10	yes	42	B 11	8	17	100
61803090	KRF 25/12	12	yes	47	B 11	8	22	100
61803110	KRF 35/6	6	yes	47	B 13	9	18	100
61803120	KRF 35/8	8	yes	47	B 13	9	18	100
61803130	KRF 35/10	10	yes	47	B 13	9	18	100
61803140	KRF 35/12	12	yes	52	B 13	9	22	100
61803160	KRF 50/8	8	yes	50	B 14.4	11	21	100
61803170	KRF 50/10	10	yes	50	B 14.5	11	21	100
61803180	KRF 50/12	12	yes	53	B 14.5	11	21	100
61803190	KRF 50/16	16	yes	59	B 14.5	11	27	100
61803200	KRF 70/8	8	yes	55	B 17	13	25	50
61803210	KRF 70/10	10	yes	55	B 17	13	25	50
61803220	KRF 70/12	12	yes	58	B 17	13	25	50
61803230	KRF 70/16	16	yes	64	B 17	13	28	50
61803240	KRF 95/10	10	yes	69	B 20	15	29	50
61803250	KRF 95/12	12	yes	69	B 20	15	29	50
61803260	KRF 95/16	16	yes	69	B 20	15	29	50
61803270	KRF 120/10	10	yes	73	B 22	17	32	25
61803280	KRF 120/12	12	yes	73	B 22	17	32	25
61803290	KRF 120/16	16	yes	73	B 22	17	32	25
61803300	KRF 150/12	12	yes	80	B 25/13 B 25	19	36	25
61803310	KRF 150/16	16	yes	80	B 25/13 B 25	19	36	25
61803330	KRF 185/12	12	yes	86	13 B 27	21	39	20
61803340	KRF 185/16	16	yes	86	13 B 27	21	39	20
61803350	KRF 185/20	20	yes	93	13 B 27	21	39	20
61803360	KRF 240/12	12	yes	96	13 B 30	22.5	42	10
61803370	KRF 240/16	16	yes	96	13 B 30	22.5	42	10
61803380	KRF 240/20	20	yes	95	13 B 30	22.5	42	10
61803390	KRF 300/16	16	yes	99	13 B 32	24.5	46	10
61803400	KRF 300/20	20	yes	99	13 B 32	24.5	46	10
61803420	KRF 400/16	16	yes	111	13 B 38	30	56	10
61803430	KRF 400/20	20	yes	126	13 B 38	30	56	10
61803440	KRF 400/24	24	yes	118	13 B 38	30	56	10

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Similar products

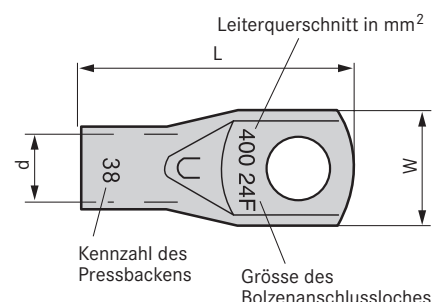
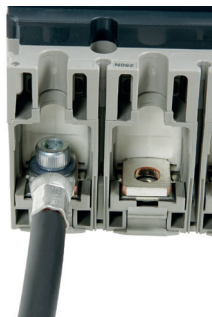
- Solderless cable lugs KB refer to page 1019

Accessories

- T 2288 pressing pliers refer to page 1030
- V 1311-A pressing pliers, hydraulic refer to page 1030
- DKB 0325 + DKB 0360 crimping pliers refer to page 1026
- PVL 1300 pressing pliers battery-operated refer to page 1031



Tube cable lugs KRFN



Benefits

- Can be installed via cable glands, allowing pre-assembly
- High-quality electrolytic copper ensures a good crimping quality
- With inspection hole

Application range

- Narrow tube cable lugs for stranded and flexible CU-conductors 50-240 mm², suitable for class 2 and class 5
- Adapted for narrow spaces

Norm references / Approvals

- In combination with recommended crimp tool fulfill requirements of SS-EN 61238-1, BS 4579:1, VDE 0220:1, EN-IEC 61238:1

Suitable tools

- V 1311-A pressing pliers, hydraulic

Technical data



ETIM 5.0 Class-ID: EC001051
ETIM 5.0 Class-Description:
Tube cable lug for copper conductors



Material
Tinned electrolyte copper



Temperature range
Temperature range up to +90°C
Working temperature:
110°C, max. +140°C

Article number	Article designation	Screw hole Ø (mm)	UL certification	Length (mm)	Pressing dies	d mm	W mm	Pieces / PU
Tube cable lugs KRFN								
61797400	KRFN 50/6	6	no	51	B 14.5	11	18	100
61797401	KRFN 50/8	8	no	51	B 14.5	11	18	100
61797402	KRFN 50/10	10	no	51	B 14.5	11	18	100
61797403	KRFN 70/6	6	no	56	B 14.5	13	20	50
61797404	KRFN 70/8	8	no	56	B 17	13	20	50
61797405	KRFN 70/10	10	no	56	B 17	13	20	50
61797406	KRFN 95/8	8	no	61	B 20	15	24	50
61797407	KRFN 95/10	10	no	62	B 20	15	24	50
61797408	KRFN 95/12	12	no	64	B 20	15	24	50
61797409	KRFN 120/8	8	no	65	B 22	17	26	50
61797410	KRFN 120/10	10	no	66	B 22	17	26	50
61797411	KRFN 120/12	12	no	68	B 22	17	26	50
61797412	KRFN 150/10	10	no	73	B 25/13 B 25	19	30	50
61797413	KRFN 150/12	12	no	75	B 25/13 B 25	19	30	50
61797414	KRFN 185/10	10	no	80	13 B 27	21	32	25
61797415	KRFN 185/12	12	no	82	13 B 27	21	32	25
61797416	KRFN 185/16	16	no	86	13 B 27	21	32	25
61797417	KRFN 240/10	10	no	84	13 B 30	22.5	38	50
61797418	KRFN 240/12	12	no	84	13 B 30	22.5	38	50

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- Tube cable lugs KR/ KRT/ KRF refer to page 1027
- Solderless cable lugs KB refer to page 1019

Accessories

- T 2288 pressing pliers refer to page 1030
- V 1311-A pressing pliers, hydraulic refer to page 1030
- DKB 0325 + DKB 0360 crimping pliers refer to page 1026
- PVL 1300 pressing pliers battery-operated refer to page 1031

T 2288 pressing pliers

**Benefits**

- Forced locking guarantees complete pressing
- Handy for on-site electric fitters
- Small size

Application range

- For pressing copper connections of 10 - 25 mm²
- For pressing tube cable lugs (KRT) and butt connectors

Norm references / Approvals

- Tested in accordance with standard SS-EN61238-1

Technical data

ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

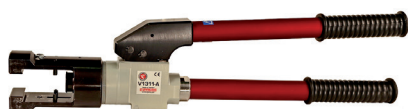


Note
Crimping profile: Hexagonal

Article number	Article designation	For mm ²	Crimping profile	Weight (kg)	Length (mm)	Pieces / PU
T 2288 pressing pliers						
61790961	T 2288	10.0 - 25.0	hexagon	0.6	300	1

Photographs are not to scale and do not represent detailed images of the respective products.

V 1311-A pressing pliers, hydraulic

**Benefits**

- Automatic quick feed of pressing dies and mandrels
- Requires low hand force, about 245 N at max. force
- Ergonomic handles
- Pressing head rotates by 180 degrees
- Few tool parts, easy to change

Application range

- System 1311 for pressing copper connections of 10 - 400 mm²

Included

- Complete unit, no external pump required
- Supplied with wooden carry box
- Pressing dies and die holders need to be ordered separately

Technical data

ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection



On request
Battery powered tool on request



Note
Crimping profile: Hexagonal and mandrel
Pressing force: 130 kN (13 t)

Article number	Article designation	For mm ²	Inner die holders	Outer die holders	Weight (kg)	Length (mm)	Pieces / PU
V 1311-A pressing pliers, hydraulic							
61795925	V 1311-A	10.0 - 400.0	V 1316	V 1318	4.9	590	1

Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Similar products

- PVL 1300 pressing pliers battery-operated refer to page 1031

Accessories

- Die holders for system 1311 refer to page 1032
- Dies for system 1311 and 1300 refer to page 1032



PVL 1300 pressing pliers battery-operated

Benefits

- Ergonomic design that optimizes the balance of the tool in the users hand
- Buzzing signal and flashing light if right pressure is not achieved
- LED lightning for the work in dark environments
- Possibility to document each crimp for service control

Application range

- Battery powered crimp tool for crimping of CU terminals KRF/KSF, KRD/KSD, KRT/KST 10-400 mm² und C-sleeves up to 120 mm²
- Same accessories as V1311-A pliers

Product features

- Crimps/charge: 60-120 depending on size and temperature
- Crimp time: 4-12 sec, depending on the size
- Environmental friendly battery, Li-Ion Makita 3.0 Ah 18 V
- 230 VAC battery charger Li-ion Makita, charging time: 22 min
- LED indication of the charge status

Included

- Supplied with robust plastic case, battery charger and instruction manual
- Pressing dies and die holders need to be ordered separately

Technical data

	ETIM 5.0 Class-ID: EC000168 ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection
	General Dimensions: 412 x 319 x 75 mm Weight: 5.4 kg
	On request DUAL Crimping tool (ensures a good crimping quality also for compacted conductors) is available upon request
	Note Crimping profile: Hexagonal and mandrel Pressing force: 124 kN (13 t)
	Temperature range -20°C to +40°C



Article number	Article designation	Weight (kg)	Pieces / PU
PVL 1300 pressing pliers battery-operated			
61813821	Crimping tool PVL 1300	5.4	1

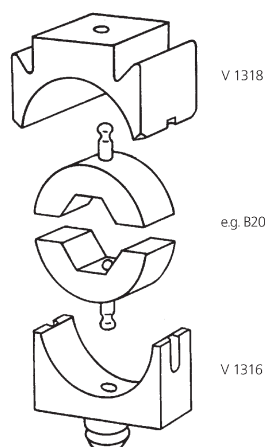
Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Accessories

- Die holders for system 1311 refer to page 1032
- Dies for system 1311 and 1300 refer to page 1032

Die holders for system 1311



Benefits

- For the V1311 pliers, both the inner die holder V1316 and the outer die holder V1318 is needed

Application range

- Systems 1311 for pressing copper connections of 10 - 400 mm²

Note

- Only needed for dies which have no "13" in article designation

Suitable tools

- V 1311-A pressing pliers, hydraulic refer to page 1030
- PVL 1300 pressing pliers battery-operated refer to page 1031

Technical data

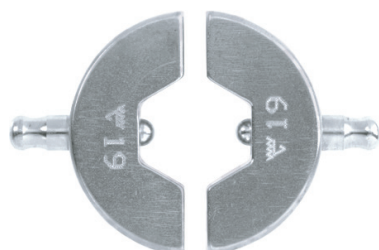


ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article designation	For crimping tools	Dies per PU	PU
Die holders for system 1311				
61795941	V 1316 inner die-holder	V 1311	1	1
61795942	V 1318 outer die-holder	V 1311	1	1

Component composition: First specify the pressing dies. Note that die holders are not needed for all pressing dies (depending on the cross section of the tube cable lugs to be pressed) Photographs are not to scale and do not represent detailed images of the respective products.

Dies for system 1311 and 1300



Application range

- Pressing dies for V 1311 and PVL 1300 for crimping cable lugs (KR/KRT/KRF) and butt connectors (KS/KST/KSF)

Note

- Pressing dies for copper branch terminals are available upon request

Included

- Press inserts are delivered in pairs
- For pressing dies where the article designation begins with "13B" no extra die holders are needed, for all other dies you need to order the die holders separately.

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection

Suitable tools

- V 1311-A pressing pliers, hydraulic refer to page 1030
- PVL 1300 pressing pliers battery-operated refer to page 1031

Article number	Article designation	For KR/KS mm ²	For KRT/KST mm ²	For KRF/KSF mm ²	PU
Pressing dies - in pairs					
61795950	B7	10	10		1
61795951	B8	10		10	1
61795960	B8,5		16		1
61795970	B9			16	1
61795971	B10		25		1
61795972	B11			25	1
61795980	B12		35		1
61795981	B13			35	1
61795990	B14		50		1
61795991	B14,5			50	1
61796000	B16		70		1
61796001	B17			70	1
61796010	B18		95		1
61796021	B20			95	1
61796020	B19		120		1
61796030	B22		150	120	1
61796032	B25			150	1
61796031	B24		185		1
61796042	13B25			150	1
61796043	13B26		240		1
61796044	13B30		300	240	1
61796045	13B32		400	300	1
61796046	13B38			400	1

Component composition: First specify the pressing dies. Note that die holders are not needed for all pressing dies (depending on the cross section of the tube cable lugs to be pressed) Photographs are not to scale and do not represent detailed images of the respective products.



Info

- Inserts can be quickly changed

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Benefits

- Reliable crimping performance is consistent and accurate with a parallel action stroke
- Diverse crimping inserts can be changed easily and quick
- Lightweight
- Ergonomic plastic grips

Application range

- Ideal service tool

Note

- Please close tool while inserting new dies

Mobile crimp tool crimping pliers



Included

- Article no. 62000100: Mobile Crimp Tool with 1 insert for end sleeves 0,25-10² (62000100)
- Article no. 62000105: Only Service tool (without case or insert)
- Article no. 62000102: Convenient plastic case for storing the service tool and various inserts

Article number	Article designation	Crimping insert	PU
Mobile crimp tool crimping pliers			
62000100	MCT incl. insert for end sleeves	Conductor end sleeves 0.25 - 10 mm ²	1
62000105	MCT without insert		1
62000102	MCT case, empty		1

Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Accessories

- Mobile crimp tool - crimping inserts refer to page 1033

Mobile crimp tool - crimping inserts

Benefits

- Crimping inserts are clearly labelled which minimises the risk of confusion
- Stored in the practical module boxes which can be joined together
- Particular durable: Tested for over 20.000 crimping operations

Note

- MCT crimping insert RJ45 can only be used for unscreened connectors

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Suitable tools

- Mobile crimp tool crimping pliers refer to page 1033



Article number	Article designation	Suitable for:	Specification	Specification GB	Crimping profile	PU
Insulated cable lugs						
62000110	MCT insert cable lugs insul. 4300-3129	insulated cable lugs	0.5 - 1.5/1.5 - 2.5 mm ²	AWG 22-16 / 16-14	oval	1
62000111	MCT insert cable lugs insul. 4300-3128	insulated cable lugs	0.1 - 0.4/4 - 6 mm ²	AWG 26-22 / 12-10	oval	1
Cable Lugs						
62000112	MCT insert cable lugs non-insul. 4300-3142	uninsulated cable lugs	0.5 - 2.5/4 - 6 mm ²	AWG 12-10 / 22-14	mandrel	1
62000113	MCT insert cable lugs non-insul. 4300-3137	uninsulated cable lugs	0.75/1.5/2.5 mm ²	AWG 20-14	mandrel	1
62000114	MCT insert cable lugs non-insul. 4300-3139	uninsulated cable lugs	4 / 6 / 10 mm ²	AWG 12-8	mandrel	1
Conductor end sleeves						
62000115	MCT insert AEH 4300-3127	insul. + non-insul. conductor end sleeves	0.25 - 10 mm ²	AWG 24-8	trapezoid	1
62000116	MCT insert AEH 4300-3153	insul. + non-insul. conductor end sleeves	16 - 25 mm ²	AWG 6-4	hexagon	1
62000117	MCT insert AEH 4300-3154	Conductor end sleeves, insulated + non-insulated	35-50 mm ²	AWG 2-0	hexagon	1
Panel connectors (Plugs)						
62000118	MCT insert blade connectors 4300-3150	uninsulated panel connectors	0.1 - 0.25/0.25 - 0.5/0.5 - 1.0 mm ²	AWG 26-24 / 24-22 / 22-18	roller pressing	1
62000120	MCT insert blade connectors 4300-3146	uninsulated panel connectors 6.3	0.5 - 1.0/1.5 - 2.5/4 - 6 mm ²	AWG 22-18 / 16-14 / 12-10	roller pressing	1
62000121	MCT insert LWL 4300-3141	Optic fibre (POF) F-SMA/B-FOC (ST)	4.52/5.41/3.84/3.25 mm	.178/.213/.151/.128 inch	hexagon	1
BNC connectors						
62000122	MCT insert BNC 4300-3140 RG 174/179	BNC plug	4.52/3.25/1.69/0.7 mm	.178/.128/.067/.028 inch	hexagon	1
62000123	MCT insert BNC 4300-3136 RG 58/59/62/71	BNC plug	1.69/5.41/6.48 mm	.067/.213/.255 inch	hexagon	1
62000124	MCT insert BNC 4300-3138 RG 6/59	BNC plug	9.14/8.23 mm	.360/.324 inch	hexagon	1
RJ 45						
62000125	MCT insert RJ45 4300-3144	RJ 45	RJ-45 8/8			1
RJ 11						
62000126	MCT insert RJ11 4300-3132	RJ11	RJ-11 6/6, 6/4, 6/2			1
Turned pin connectors						
62000127	MCT insert turned connectors 4300-3147	turned pin connectors	0.14 - 4 mm ²	AWG 26-12	square	1
62000128	MCT insert turned connectors 4300-3148	turned pin connectors	6 - 10 mm ²	AWG 10-8	square	1

Photographs are not to scale and do not represent detailed images of the respective products.

PEW 12 universal tool



Benefits

- Ensures exact, solder-free electrical connections
- Parallel jaw closing
- Good handling through ergonomic centre of gravity
- One or two-hand operation
- Many different combination possibilities

Application range

- Compatible with all crimp dies for the PEW 12 hand crimping tool
- For crimping virtually all crimped connections with conductor cross-sections 0,08-95 mm²

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection

Product features

- Burnished
- Chrome-plated pressing pliers available upon request (article no. 61813800)
- Suitcase is made out of polyethylene
- Each item is packed separately in a plastic bag

Included

- 61813807: Crimping tool PEW 12 without case and without inserts
- 61813819: Case for 15 crimping dies, 4 locators

Article number	Article designation	Pieces / PU
Pliers		
61813807	PEW 12 burnished without inserts	1
61813819	Case for PEW 12	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Crimping inserts for PEW 12 system refer to page 1035



EPEW 12 universal tool



Benefits

- Electromechanical tool with Li-Ion battery
- Dependable, reliable, low maintenance
- Precise tap positioning of contacts
- Quickstop, no overcrimping
- Process monitoring on multifunction display:
 - Battery charge level
 - Service interval display- Overheating/ overload warning

Application range

- Compatible with all crimp dies for the PEW 12 hand crimping tool
- Crimping of ferrules up to 50 mm²
- Manifold applications in the cable assembly

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description:
Crimp tool cable lugs, cable end sleeves, screen connection



Colour delivered
Black

Included

- Supplied in plastic case (500 x 420 x 125 mm)
- Tool without crimping dies and locators
- Battery and battery recharger
- Socket wrench

Article number	Article designation	Weight (kg)
EPEW 12 universal tool		
61813817	E-PEW 12	4.7

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Crimping inserts for PEW 12 system refer to page 1035

Crimping inserts for PEW 12 system

Benefits

- Ensure high flexibility: All inserts can be used in PEW 12 (article number 61813807) as well as in E-PEW 12 (article number 61813817) and in crimping machine CM 25 (article number: 11147001)
- Comply with DIN 46237, DIN 46234/46235/46267 and DIN 46247, 46 345, 46 346

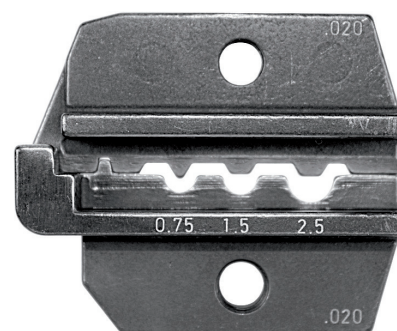
Note

- On request: other inserts available

Technical data



ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection



Article number	Article designation	Suitable for:	Pressing range (mm ²)	Crimp dimensions (mm)	Crimp sleeve Ø (mm)	Crimping profile	Pieces / PU
Conductor end sleeves							
61813802	PEW 12.090	insul. + non-insul. conductor end sleeves	0.5 - 6.0			trapezoid	1
61813803	PEW 12.091	insul. + non-insul. conductor end sleeves	10.0 - 25.0			square	1
61813804	PEW 12.092	insul. + non-insul. conductor end sleeves	35.0 - 50.0			square	1
Cable Lugs							
61813823	PEW 12.020	uninsulated cable lugs	0.5 - 2.5			mandrel pressing	1
61813824	PEW 12.030	uninsulated cable lugs	4.0 - 10.0			w-pressing	1
61813825	PEW 12.031	uninsulated joint connectors	1.5 - 10.0			Hexagonal pressing	1
61813811	PEW 12.032	uninsulated cable lugs	0.5 - 10			mandrel pressing	1
61813862	PEW 12.033	uninsulated cable lugs	16 - 25			mandrel pressing	1
61814605	PEW 12.691	insulated cable lugs	0.5 - 6.0			conical ISO crimp	1
61813812	PEW 12.060	insulated cable lugs	0.5 - 6.0			conical ISO crimp	1
61813826	PEW 12.063	insulated cable lugs	10.0 - 16.0			mandrel pressing	1
Panel connectors (Plugs)							
61814600	PEW 12.045	uninsulated panel connectors 2.8 + 4.8	0.1 - 2.5			roller pressing	1
61814601	PEW 12.045 Locator	uninsulated panel connectors 2.8 + 4.8	0.1 - 2.5			roller pressing	1
61814606	PEW 12.742	uninsulated panel connectors	0.5 - 2.5			roller pressing	1
61813808	PEW 12.050	uninsulated panel connectors 4.8 + 6.3	0.5 - 6.0			roller pressing	1
61813809	PEW 12.050 Locator	uninsulated panel connectors 4.8 + 6.3	0.5 - 6.0			roller pressing	1
61814607	PEW 12.745	uninsulated panel connectors	1.25-6			roller pressing	1
Coax connectors							
61813813	PEW 12.100	COAX connector		5.4/6.48/1.72	6.4/7.6/2.1	Hexagonal pressing	1
61813814	PEW 12.11	COAX connector	RG 174, 58	5.4/4.52/1.72	6.4/5.4/2.1	Hexagonal pressing	1
61813827	PEW 12.111	COAX connector		8.23/6.48/1.72/1.07	9.4/7.6/2.1/1.3	Hexagonal pressing	1
61813816	PEW 12.114	COAX connector		10.9/2.54	12.0/3.0	Hexagonal pressing	1
61813818	PEW 12.119	COAX connector		1.75/9.73	2.1/10.7	Hexagonal pressing	1
61813852	PEW 12.158	COAX connector		7.0/8.4/8.1	7.7/9.5/9.5	Hexagonal pressing	1
61813853	PEW 12.159	COAX connector		3.25/4.52/5.4/1.72/1.07/0.72	3.9/5.4/6.4/2.1/1.3/0.95	Hexagonal pressing	1
61813861	PEW 12.772	COAX connector		2.67/3.25/3.83	3.1/3.8/4.2	Hexagonal pressing	1
Other connectors							
61813849	PEW 12.155	Optic fibre (POF) F-SMA/B-FOC (ST)		4.20/3.65/5.0	5.4/4.3/6.0	Hexagonal pressing	1
One piece screen connectors RSK							
61813866	PEW 12.354/ 401 M	One-piece RSK screen connectors					1
61813868	PEW 12.373/301 J	One-piece RSK screen connectors					1
61813869	PEW 12.374/301 H	One-piece RSK screen connectors					1
61813865	PEW 12.375 / 401 L	One-piece RSK screen connectors					1
61813864	PEW 12.599/401 K	One-piece RSK screen connectors					1
61813867	PEW 12.619/ 401 N	One-piece RSK screen connectors					1

Photographs are not to scale and do not represent detailed images of the respective products.



Pneumatic crimping machine UP 35



Technical data



General

Operating pressure: 6 bar/87 psi
Dimensions: 390 x 175 x 440 mm



On request

Safety machine available upon request (can be operated without finger guards thanks to the double-foot pedal)
Further sizes and designs could be offered upon request.



Note

Crimp force: Maximum 35 kN



Info

Weight: 20 kg

Benefits

- New space-saving design
- High ergonomics and user-friendliness thanks to the ergonomic inclination of about 10° on the machine and an integrated LED light source for illuminating the work place
- The machine can be transported easily using the supplied T-handle thanks to its easy-to-handle design and low weight of 20 kg.
- High flexibility: The adapters can be exchanged easily, quickly and without the need for additional tools, which offers the operator a wide range of processing options for loose contacts
- Easy assembly of the adapter thanks to slide in-slide out mechanism

Application range

- Pneumatic crimp machine with parallel closing mechanism
- Offers maximum user-friendliness with optimal safety and crimp quality for small to medium-sized cross-sections
- For insulated cable lugs up to 6 mm², non-insulated tubular and compression cable lugs up to 16 mm², conductor end sleeves up to 50 mm²

Product features

- Rapid change system due to adapter system
- Forced operation control guarantees highest pressing quality

Norm references / Approvals

- Corresponds to EC Directive 2011/65/EC (RoHS 2) and is CE compliant

Product Make-up

- Adapter/die-carriers are not included in the scope of delivery of the UP 35 and must be ordered separately- here you have 3 different options depending on the used die type
- Inserts must be ordered separately.

Included

- Pneumatic parallel crimping machine
- Pneumatic safety foot pedal
- Air hoses and power supply for 12 Volt illumination
- Electronic piece part counter
- Tool kit

Article number	Article designation	Pieces / PU
Crimping machine (without adapter)		
11148003	Pneumatic crimp machine UP 35	1
Adapter / die-block carrier for different types of inserts		
61743951	Adapter UP 35 for WZ crimping dies	1
61743953	Adapter UP 35 for PEW 12 crimping dies	1
61743952	Adapter UP 35 for W(D)T crimping dies	1

Photographs are not to scale and do not represent detailed images of the respective products.

Short manual is included- manuals could be also downloaded here: <http://www.lappkabel.com/instructions.html>

Accessories

- Crimping inserts for PEW 12 system refer to page 1035
- Crimping inserts for the UP 35 machine refer to page 1036

Crimping inserts for the UP 35 machine



Benefits

- Easy and accurate exchange and positioning of the crimp die sets

Application range

- Inserts for the pneumatic crimping machine UP 35 (article no. 11148003)
- Crimping die series is called WZ- series- please use following adapter for the UP 35: Article no. 61743951

Product features

- Burnished

Note

- On request: other inserts available

Suitable tools

- Pneumatic crimp machine UP 35

Article number	Article designation	Suitable for:	Pressing range (mm ²)	Crimping profile	Pieces / PU
Conductor end sleeves					
61743941	WZ / Set AE 21	insul. + non-insul. conductor end sleeves	0.14 - 10.0	trapezoid	1
61743942	WZ / AE 51	insul. + non-insul. conductor end sleeves	10.0 - 25.0	Similar to trapezoid	1
61743943	WZ / Set AE 5	insul. + non-insul. conductor end sleeves	25.0 - 35.0	Similar to trapezoid	1
61743944	WZ / Set AE 61	insul. + non-insul. conductor end sleeves	35.0 - 50.0	Similar to trapezoid	1
Insulated cable lugs					
61743934	WZ / Set 440	insulated cable lugs	0.1 - 2.5	oval	1
61743933	WZ / Set 441	insulated cable lugs	0.5 - 6.0	oval	1
61743948	WZ / Set 44	insulated cable lugs	0.5 - 6.0	oval	1
Cable Lugs					
61743935	WZ / Set 66 (D)	uninsulated cable lugs	0.1 - 6.0	mandrel pressing	1
61743936	WZ / Set 66 (W)	uninsulated cable lugs	0.25-6	w-pressing	1
61743939	WZ / Set RKS 2	Tubular cable lugs	4.0 - 10.0	w-pressing	1
61743937	WZ / Set RKS 3/10 mm ²	Tubular cable lugs	10	w-pressing	1
61743938	WZ / Set RKS 3-16 mm ²	Tubular cable lugs	16	w-pressing	1
Panel connectors (Plugs)					
61743945	WZ / Set F2,8	uninsulated panel connectors 2.8	0.1 - 1.0	roller pressing	1
61743946	WZ / Set F4,8	uninsulated panel connectors 4.8	0.5 - 2.5	roller pressing	1
61743947	WZ / Set F 6,3	uninsulated panel connectors 6.3	0.5 - 6.0	roller pressing	1
61743949	Crimping dies WZ f. UP 35- Set FAHN	uninsulated panel connectors 6.3	0.5 - 2.5	roller pressing	1

Photographs are not to scale and do not represent detailed images of the respective products.



RSK one-piece screen connector

Benefits

- The four sizes can be identified by the different colours of the connectors
- Matching tool inserts have the same colour
- Reduced installation time

Application range

- One-part SHIELD-KON® screen connector allows screened cables to be connected quickly and permanently

Norm references / Approvals

- Meets and exceeds the performance requirements of MIL-F-21608

Product Make-up

- To process, insert the connector into the tool, then insert and crimp the screen cable and leads or the earthing clamp
- When crimped, the connector assumes a round shape and both ends are pushed above each other
- When inserting the screened cable to a connector, ensure that the cable insulation overlaps with the connector's MYLAR® insulation
- Inside the connector, there is a suspended cover plate for the leads and an insertion for the screened cable.

Suitable tools

- ERG 740 manual pressing tool refer to page 1039

Technical data



ETIM 5.0 Class-ID: EC002020
ETIM 5.0 Class-Description:

Shield connection clamp



Material

Tinned electrolyte copper
Insulation: laminated polyester



Temperature range

-65 °C to +125 °C



Article number	Article designation	Colour	Shield Ø (mm)	Suitable connectors	Pieces / PU
RSK one-piece screen connector					
61721340	RSK 5101	red	1.27-2.28	101 A/B	100
61721350	RSK 5201	blue	2.29-3.65	201 C/D/E/F	100
61721360	RSK 5301	yellow	3.66-5.12	301 G/H/J	100
61743200	RSK 5401	green	5.13-7.62	401 K/L/M/N	100

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Similar products

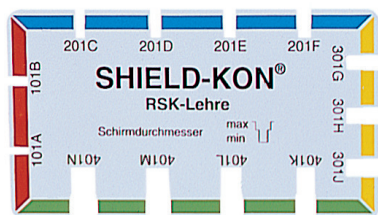
- SHIELD-KON® two-part screen connector refer to page 1040

Accessories

- RSK-FLAG connector refer to page 1038



RSK gauge



Benefits

- For easy determination of the appropriate RSK connector and crimping insert
- Appropriate connector and tool insert is indicated by the notches (insert the stripped end of the cable into the slots located around the gauge)

Application range

- For the one-piece SHIELD-KON® connectors RSK

Technical data



ETIM 5.0 Class-ID: EC002020
ETIM 5.0 Class-Description:
Shield connection clamp

Article number	Article designation	Pieces / PU
RSK gauge		
61753760	RSK gauge	1

Photographs are not to scale and do not represent detailed images of the respective products.

RSK-FLAG connector



Benefits

- RSK earth clamps are the quick and inexpensive alternative to conventional installation of conductors
- Easy & direct connection of the RSK-FLAG to a piece of earthed equipment thanks to the installation hole

Application range

- For the one-piece SHIELD-KON® connectors RSK
- Appliance for fixing a shielded cable onto a surface e.g. onto an earthing bar

Technical data



ETIM 5.0 Class-ID: EC002020
ETIM 5.0 Class-Description:
Shield connection clamp



Material
Tinned electrolyte copper

Article number	Article designation	Used for	Hole diameter (mm)	Pieces / PU
RSK-FLAG connector				
61753762	RSK-Flag-B3	RSK 5301 / 5401	M3	100
61753763	RSK-Flag-B4	RSK 5301 / 5401	M4	100
61753764	RSK-Flag-B5	RSK 5301 / 5401	M5	100

Photographs are not to scale and do not represent detailed images of the respective products.

ERG 740 manual pressing tool

Benefits

- Metal inserts can be changed easily and quick
- No adjustment of the tool necessary
- Ergonomic plastic handles
- Pressing dies move in parallel to each other, which enables the contorting effect of the RSK connectors

Application range

- Crimping tool for one-screen SHIELD-KON® connectors RSK

Included

- Pressing pliers ERG 740
- RSK gauge for easy identification of the connector
- Soft case (245x 210 x 55 mm)
- Bench-mount stand for easier use in volume production

Technical data



ETIM 5.0 Class-ID: EC002020
ETIM 5.0 Class-Description:
Shield connection clamp



Article number	Article designation	Suitable inserts	Pieces / PU
ERG 740 manual pressing tool			
61753160	ERG 740 case + hand pliers + gauge	Metal	1

Photographs are not to scale and do not represent detailed images of the respective products.



crimping inserts for ERG 740

Benefits

- For medium to high volumes
- Made of hardened steel, therefore no erosion
- Inserts are easy changeable
- Product Ref. is engraved on the upper part and on the lower part of the die set

Application range

- Tool inserts for SHIELD-KON® one-piece screen connectors RSK, suitable for ERG 740

Included

- Packaging: 1 die set in a cardboard box with Euroslot (weight: approx. 75 g, packaging size: 45 x 45 x 70 mm)

Suitable tools

- ERG 740 manual pressing tool refer to page 1039

Technical data



ETIM 5.0 Class-ID: EC002020
ETIM 5.0 Class-Description:
Shield connection clamp



Article number	Article designation	Colour	Shield Ø (mm)	Suitable connectors	Pieces / PU
Metal inserts for ERG 740					
61722835	D-101 A	red	1.27-1.79	RSK 5101	1
61722825	D-101 B	red	1.80-2.28	RSK 5101	1
61722905	D-201 C	blue	2.29-2.55	RSK 5201	1
61722915	D-201 D	blue	2.56-3.00	RSK 5201	1
61722925	D-201 E	blue	3.01-3.34	RSK 5201	1
61743045	D-201 F	blue	3.35-3.65	RSK 5201	1
61722935	D-301 G	yellow	3.66-4.13	RSK 5301	1
61722945	D-301 H	yellow	4.14-4.71	RSK 5301	1
61722875	D-301 J	yellow	4.72-5.12	RSK 5301	1
61743215	D-401 K	green	5.13-5.86	RSK 5401	1
61743225	D-401 L	green	5.87-6.36	RSK 5401	1
61743235	D-401 M	green	6.37-7.00	RSK 5401	1
61743245	D-401 N	green	7.01-7.62	RSK 5401	1

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- Crimping inserts for PEW 12 system refer to page 1035



SHIELD-KON® two-part screen connector



Benefits

- A hard, stable inner sleeve absorbs the pressure and protects the conductor on the inside from mechanical stress
- Hexagonal shaped crimping of the soft outer sleeve guarantees a perfect electrical and mechanical connection

Application range

- For screen cables with a dielectric diameter from 1.1 to 9,4 mm (diameter after removing the screen)
- Telecommunication
- Railway applications

Norm references / Approvals

- Corrosion test in compliance with IEC 68-2-42
- Test samples were stored for 10 days in a damp SO₂ industrial atmosphere at 25 °C
- This test showed only negligible increases in the contact resistance, which means that the crimped connections can be considered gas-proof

Suitable tools

- WT 4454 G universal pressing pliers
- SHIELD-KON® two-part screen connector crimping accessories refer to page 1041

Technical data



ETIM 5.0 Class-ID: EC002020
ETIM 5.0 Class-Description:
Shield connection clamp



Material

Bronze
Electrogalvanized



Temperature range

Temperature shock test
100 cycles of temperature changes between -40 °C and +155 °C produced a negligible change in the contact resistance.

Article number	Article designation	Colour	Inner x outer sleeve Ø (mm)	Pieces / PU
Inner sleeves				
61749430	GSB 046	silver	1.17 x 1.90	100
61749440	GSB 058	yellow	1.47 x 2.10	100
61749450	GSB 063	red	1.60 x 2.23	100
61749460	GSB 071	green	1.87 x 2.44	100
61749470	GSB 080	blue	2.00 x 2.63	100
61749480	GSB 090	orange	2.20 x 2.90	100
61749490	GSB 096	purple	2.44 x 3.02	100
61749500	GSB 101	yellow	2.56 x 3.16	100
61749510	GSB 109	red	2.76 x 3.36	100
61749520	GSB 115	silver	2.92 x 3.70	100
61749530	GSB 124	green	3.14 x 3.68	100
61749540	GSB 128	silver	3.25 x 3.86	100
61749550	GSB 134	orange	3.40 x 4.00	100
61749560	GSB 149	blue	3.78 x 4.54	100
61749570	GSB 156	red	3.96 x 4.90	100
61749580	GSB 165	silver	4.20 x 4.92	100
61749590	GSB 175	green	4.44 x 5.46	100
61749600	GSB 187	yellow	4.75 x 5.76	100
61749610	GSB 194	blue	4.93 x 5.76	100
61749620	GSB 205	orange	5.20 x 6.22	100
61749630	GSB 219	silver	5.56 x 6.35	100
61749640	GSB 225	yellow	5.71 x 6.50	100
61749650	GSB 232	red	5.90 x 6.70	100
61749660	GSB 250	green	6.35 x 7.14	100
61749670	GSB 261	blue	6.63 x 7.54	100
61749680	GSB 266	silver	6.75 x 7.54	100
61749690	GSB 275	orange	6.98 x 7.77	100
61749700	GSB 281	yellow	7.14 x 8.40	100
61749710	GSB 287	silver	7.29 x 8.30	100
61749720	GSB 297	red	7.54 x 8.50	100
61749730	GSB 312	purple	7.92 x 9.20	100
61749740	GSB 348	orange	8.84 x 10.20	100
61749750	GSB 375	blue	9.52 x 10.30	100
Outer sleeves				
61749810	GSC 101	silver	2.56 x 3.16	100
61749820	GSC 128	blue	3.25 x 3.86	100
61749830	GSC 149	purple	3.78 x 4.54	100
61749840	GSC 156	yellow	3.96 x 4.90	100
61749850	GSC 175	blue	4.40 x 5.46	100
61749860	GSC 187	orange	4.75 x 5.76	100
61749870	GSC 194	red	4.93 x 5.79	100
61749880	GSC 199	silver	5.05 x 5.97	100
61749890	GSC 205	yellow	5.20 x 6.22	100
61749900	GSC 219	green	5.56 x 6.35	100
61749910	GSC 225	purple	5.71 x 6.50	100
61749920	GSC 232	orange	5.90 x 6.70	100
61749930	GSC 261	yellow	6.63 x 7.54	100
61749940	GSC 275	silver	6.98 x 7.77	100
61749950	GSC 281	purple	7.14 x 8.40	100
61749960	GSC 287	blue	7.29 x 8.30	100
61749970	GSC 297	green	7.54 x 8.50	100
61749980	GSC 312	yellow	7.95 x 9.20	100
61749990	GSC 327	silver	8.30 x 9.45	100
61750000	GSC 348	orange	8.84 x 9.98	100
61750010	GSC 359	purple	9.12 x 10.13	100
61750020	GSC 375	yellow	9.52 x 10.30	100
61750030	GSC 405	red	10.28 x 11.50	100
61750040	GSC 415	blue	10.54 x 11.76	100
61750050	GSC 425	silver	10.80 x 12.06	100
61750060	GSC 460	silver	11.68 x 12.95	100
61750070	GSC 500	green	12.70 x 14.60	100

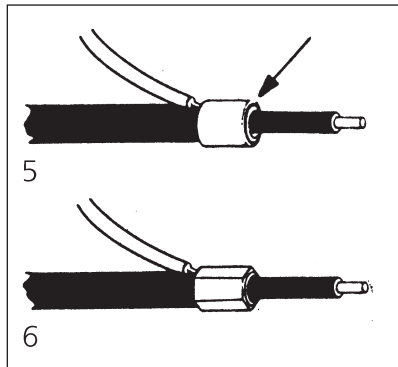
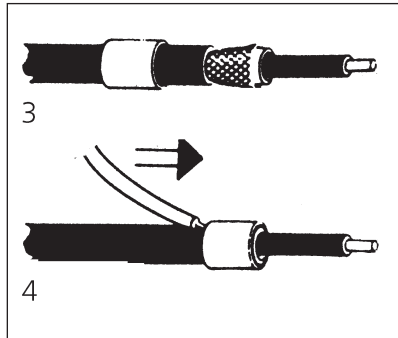
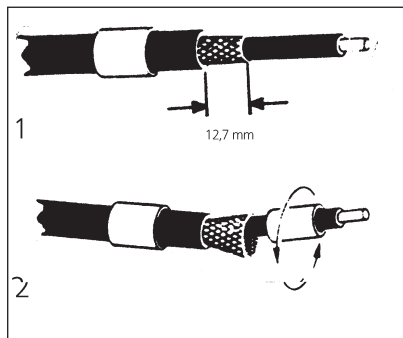
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SHIELD-KON® two-part screen connector

Installation:

1. After stripping the screen (approx. 12.7 mm length), push the outer sleeve onto the outer insulation. If this is too thick, push on the outer sleeve from front after step 3.
2. Extend the screen braiding by rotating the inside conductor slightly and pushing the inner sleeve under the screen braiding.
3. Position the inner sleeve in such a way that about 1.6 mm is still protruding from the end of the screen, and press on the braiding.
4. Push the conductor under the outer sleeve and push the outer sleeve over the braiding.
5. Position outer sleeve and make sure that ends of all wires in the screen braiding and the outer conductor are hidden.
6. Crimp both sleeves.



Which inner sleeve to which outer sleeve?

Inner sleeve GSB:

Define the maximum outer diameter of the inner sheath under the braid/screen. Select from the chart the matching inner sleeve (outer diameter inner sheath = inner diameter inner sleeve). In case of in-between values, please select the next size.

Outer sleeve GSC:

Add 1.5-2 mm to the outer diameter of the selected inner sleeve and then select the outer sleeve (resulting diameter after addition = inner diameter of outer sleeve).

Press insert:

By means of the selected outer sleeve, you can now determine the appropriate press insert.

SHIELD-KON® two-part screen connector crimping accessories

Benefits

- Manual pressing pliers with removable press matrices for two-part SHIELD-KON® connectors
- Integrated forced lock only allows the tool to be opened after it has completely closed (emergency opening possible)
- Appropriate press insert can be determined by using the selected outer sleeve

Product Make-up

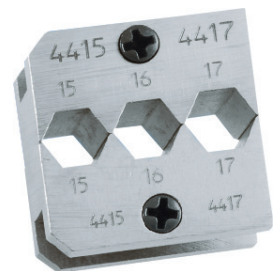
- Crimping profile: Hexagonal

Technical data

ETIM 5.0 Class-ID: EC002020
ETIM 5.0 Class-Description:
Shield connection clamp

Included

- Article number 61743920: Pliers without case and without pressing dies
- Article number 61792250: Empty case with space for 12 inserts
- Crimping inserts have to be ordered separately



Article number	Article designation	Suitable for outer sheaths	Pieces / PU
Crimping tool			
61743920	WT 4454 G		1
Accessories crimping tool			
61792250	WT case for WT 4454 G		1
Crimping dies			
61789480	4419-4403 G	GSC 101 / 128 / 149 / 156 / 175	1
61789490	4406-4410 G	GSC 187 / 194 / 199 / 205 / 219 / 225 / 232	1
61789500	4411-4414 G	GSC 261 / 275 / 281 / 287 / 297	1
61789510	4415-4417 G	GSC 312 / 327 / 348	1
61789520	5450-5451 G	GSC 359 / 375	1
61789530	5452 G	GSC 405 / 415	1
61789540	5454 G	GSC 425	1
61789550	5456 G	GSC 460	1
61789560	5457 G	GSC 500	1

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Photographs are not to scale and do not represent detailed images of the respective products.

Crimping inserts on picture of WT 4454 G are not depicting the SHIELD-KON® inserts, they are depicted in an extra picture



Temflex™ 1500 insulating tape



Benefits

- Resistant to most solvents
- Waterproof
- Adhesive on one side

Application range

- Multipurpose insulating tape made from PVC
- Universal electrical insulating tape for insulating, bundling, marking

Norm references / Approvals

- Type acc. to VDE: type 5

Technical data

ETIM 5.0 Class-ID: EC000128
ETIM 5.0 Class-Description:
Adhesive tape

Material
PVC

Temperature range
-10 °C to +90 °C

Article number	Article designation	Colour	Length (m) x tape width (mm) x thickness (mm)	Material	Pieces / PU
Temflex™ 1500 insulating tape					
61721040	Temflex 1015	white	10 x 15 x 0.15	PVC	10
61721030	Temflex 1015	black	10 x 15 x 0.15	PVC	10
61721050	Temflex 1015	green	10 x 15 x 0.15	PVC	10
61721060	Temflex 1015	blue	10 x 15 x 0.15	PVC	10
61721070	Temflex 1015	red	10 x 15 x 0.15	PVC	10
61721080	Temflex 1015	GN-YE	10 x 15 x 0.15	PVC	10
61721045	Temflex 1015	yellow	10 x 15 x 0.15	PVC	10
61721090	Temflex 2515	black	25 x 15 x 0.15	PVC	10
61721100	Temflex 2515	white	25 x 15 x 0.15	PVC	10
61721110	Temflex 2515	blue	25 x 15 x 0.15	PVC	10
61721120	Temflex 2515	red	25 x 15 x 0.15	PVC	10
61721130	Temflex 2515	green	25 x 15 x 0.15	PVC	10
61721140	Temflex 2525	black	25 x 25 x 0.15	PVC	10

Temflex™ 1183 is a registered trademark of 3M

Photographs are not to scale and do not represent detailed images of the respective products.



TI insulating tape



Benefits

- Protects against corrosion
- Non-aging
- Chemical resistance
- Not self-adhesive, no residues
- Wide temperature range for applications in harsh climatic environments

Application range

- Insulating tapes and self-amalgamating tape
- For sealing of transition points where water shouldn't enter
- For bundling several wire harnessings (e.g. automotive industry)
- Problem-free and assured sealing of fine screens up to 3/8" for nearly all materials

Technical data

ETIM 5.0 Class-ID: EC000128
ETIM 5.0 Class-Description:
Adhesive tape

Colour delivered
White

Material
Non-adhesive fluoropolymer tape

Temperature range
-240 °C to +250 °C

Article number	Article designation	Colour	Length (m) x tape width (mm) x thickness (mm)	Material	Pieces / PU
TI insulating tape					
61713080	TI 1212 insulating tape	white	12 x 12 x 0.1	PTFE	10

Photographs are not to scale and do not represent detailed images of the respective products.



Insulating tube ISS

Benefits

- Provides good insulation against heat, cold or temperature fluctuations
- Resistant to most chemicals
- Good weather and UV-resistance

Application range

- Insulating tube

Note

- Not suitable for shrinking

Technical data



ETIM 5.0 Class-ID: EC002254

ETIM 5.0 Class-Description:
Cable insulation hose

Note

Dielectric strength: 18 kV/mm



Material

Silicone
UV-resistant

Temperature range

-60°C to +200°C



Article number	Article designation	Colour	Internal Ø x wall thickness (mm)	Material	PU (m)
Insulating tube ISS					
61760060	ISS 2	natural	2.00 x 0.40	Silicone	100
61760070	ISS 3	natural	3.00 x 0.40	Silicone	100
61760080	ISS 4	natural	4.00 x 0.75	Silicone	100
61760090	ISS 5	natural	5.00 x 0.90	Silicone	100
61760100	ISS 6	natural	6.00 x 0.90	Silicone	100
61760110	ISS 7	natural	7.00 x 0.90	Silicone	100
61760120	ISS 8	natural	8.00 x 1.00	Silicone	50
61760130	ISS 9	natural	9.00 x 1.05	Silicone	50
61760140	ISS 10	natural	10.00 x 1.05	Silicone	50

Photographs are not to scale and do not represent detailed images of the respective products.

Application range

- Insulating tube
- For insulation of connections

Product features

- Smooth surface

Norm references / Approvals

- IEC 60684-3-100

Note

- Not suitable for shrinking

Design

- Colours: black RAL 9005, white similar to RAL 9003

Technical data



ETIM 5.0 Class-ID: EC002254

ETIM 5.0 Class-Description:
Cable insulation hose

Note

Dielectric strength: 14 kV/mm



Info

Without fabric



Colour delivered

Black and white



Material

Soft PVC



Temperature range

-20 °C ... +85 °C

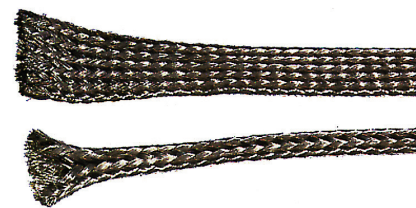


Article number	Article designation	Colour	Internal Ø x wall thickness (mm)	Material	PU (m)
Insulating tube ISY					
61793030	ISY 2	black	2.00 x 0.40	PVC	1000
61793040	ISY 3	black	3.00 x 0.40	PVC	750
61793050	ISY 4	black	4.00 x 0.50	PVC	500
61793060	ISY 5	black	5.00 x 0.60	PVC	500
61793070	ISY 6	black	6.00 x 0.60	PVC	400
61793080	ISY 7	black	7.00 x 0.70	PVC	500
61793090	ISY 8	black	8.00 x 0.70	PVC	500
61793100	ISY 9	black	9.00 x 0.70	PVC	400
61793110	ISY 10	black	10.00 x 0.70	PVC	300
61793116	ISY 10	white	10.00 x 0.70	PVC	300
61793119	ISY 16	black	16.00 x 1.00	PVC	150

Photographs are not to scale and do not represent detailed images of the respective products.



Copper braid



Application range

- EMC-compliant screening
- Can be used as earthing tape
- Automotive industry

Norm references / Approvals

- ISO-TS approved

Design

- Four available sizes: Cover a diameter range from 1 to 50 mm
- Variable diameter by tightening the braid

Included

- Are delivered in 2 pieces with 50 m each

Suitable conduits

- SILVYN® EMC AS-CU Page 899

Technical data



ETIM 5.0 Class-ID: EC001182
ETIM 5.0 Class-Description:
Braided hose



General

Minor differences are possible depending on the production batch



Note

Degree of coverage:
85 % at maximum opening



Material

Tinned-copper



Temperature range

-30 °C to +105 °C

Max. temperature: +120 °C (short-term)

Article number	Article designation	mm ²	Approx. Ø range in mm	Number of wires x Ø (mm)	Weight (kg)	PU (m)
Copper braid						
61721370	CU 14	1.32	1 - 4	24 x 7 x 0,10	1.2	100
61721380	CU 410	4.14	4 - 10	24 x 22 x 0,10	3.9	100
61721390	CU 1020	8.29	10 - 20	48 x 22 x 0,10	7.6	100
61721395	CU 2050	18.1	20 - 50	48 x 12 x 0,10	8.1	100

Photographs are not to scale and do not represent detailed images of the respective products.

Tools and cable accessories



3M Scotch™ 1183 screening tape



Benefits

- Electrically-conductive strip provides exceptional screening of electromagnetic fields
- Uniform foil composition and its good conductivity to the substrate ensures low contact resistance, which is crucial for the degree of screening
- Solderable and corrosion-resistant
- Acrylic adhesive that is resistant to solvents

Application range

- Electromagnetic field screening
- Electrostatic discharge

Product features

- Copper foil is plated with a thin layer of tin
- Tin-plating is compatible with a wide range of base materials such as aluminium, lead and tin alloys, and galvanised steels

Norm references / Approvals

- UL 510 approved
- UL File Number: E17385

Technical data



ETIM 5.0 Class-ID: EC000128
ETIM 5.0 Class-Description:
Adhesive tape



Caution

Adhesion (stripping force) : 3.8 N/10 mm
Tear strength: 44 N/10 mm



Note

Contact resistance (in acc. with MIL-STD-202): 0.005 ohms



Info

Storage: good stability when stored in a cool and dry location (room temperature and approx. 50% relative humidity)



Colour delivered

Silver grey (RAL 7001)



Material

Smooth tin-plated copper film as a lining with a conductive acrylic adhesive



Temperature range

-10 °C to +80 °C

Article number	Article designation	Width (mm)	PU (m)
3M Scotch™ 1183 screening tape			
61721420	3M Scotch 1183 / 9x16,5	9	16.5
61721421	3M Scotch 1183 / 12x16,5	12	16.5
61721422	3M Scotch 1183 / 19x16,5	19	16.5
61721423	3M Scotch 1183 / 25x16,5	25	16.5

Scotch™ 1183 is a registered trademark of 3M

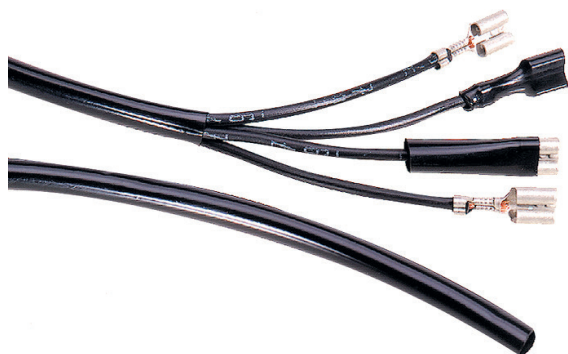
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-SC-M refer to page 732
- SKINTOP® MS-SC refer to page 794



HOTY heat-shrink tube

**Benefits**

- Well-priced
- Good weather and UV-resistance
- Flame-retardant
- Safe transport is secured via light pressure

Application range

- HOTY heat-shrink tubing is used for protecting and insulating e.g. contacts, cable lugs and connectors

Norm references / Approvals

- Flame-retardant according to UL94 VO

Note

- Storage temperature: max. +18°C

Suitable tools

- HG 2320 hot-air pistol refer to page 1052

Technical data

	ETIM 5.0 Class-ID: EC000217 ETIM 5.0 Class-Description: Heat-shrink tubing
	Info Shrinking ratio: 2:1
	Colour delivered Black- UV-resistant
	Material PVC
	Test voltage Dielectric strength: 20 kV/mm
	Temperature range -20°C to +90°C Shrinking temperature: +120°C

Article number	Article description	Internal Ø before contraction (mm)	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	PU (m)
HOTY heat-shrink tube					
61716700	HOTY 1	2.5	2.5 - 1.2	0.45	100
61716720	HOTY 2	4	4.0 - 2.0	0.5	100
61716740	HOTY 3	6	6.0 - 3.0	0.5	100
61716760	HOTY 4	7	7.0 - 4.0	0.5	100
61716780	HOTY 6	11	11.0 - 6.0	0.6	100
61716800	HOTY 8	14	14.0 - 8.0	0.6	100
61716820	HOTY 10	17	17.0 - 10.0	0.8	100
61716840	HOTY 13	20	20.0 - 13.0	1	100
61716860	HOTY 16	25	25.0 - 16.0	1	50
61716880	HOTY 20	31	31.0 - 20.0	1	50

Photographs are not to scale and do not represent detailed images of the respective products.



Shrink tube PROTECT Box



Benefits

- Very flexible, UL 224 flame retardant thin-walled heat shrink tubing with excellent physical and mechanical properties
- Convenient quantity for small consumers
- Stackable boxes for easy storage

Application range

- General purpose, flexible heat shrink tubing for protection, insulation and bundling

Product features

- UV-resistant

Norm references / Approvals

- UL file no.: E476215

Suitable tools

- HG 2320 hot-air pistol refer to page 1052

Technical data

	ETIM 5.0 Class-ID: EC000217 ETIM 5.0 Class-Description: Heat-shrink tubing
	Note Dielectric strength: 20 kV/mm Thin walled
	Info Shrinking ratio: 2:1
	Colour delivered Black- UV-resistant Transparent - halogen-free
	Material Cross-linked polyolefin, without silicone, cadmium and lead
	Temperature range -55°C to +135°C Shrinking temperature: +90°C

Article number	Article description	Colour	Shrinkage range (mm)	Panel thickness, shrunk + 0.1 mm	Contents (m)	PU
Black						
61742423	PROTECT Box 1,2/0,6 BK	black	1.2 - 0.6	0.41	12	1
61742424	PROTECT Box 1,6/0,8 BK	black	1.6 - 0.8	0.43	12	1
61742425	PROTECT Box 2,4/1,2 BK	black	2.4 - 1.2	0.51	12	1
61742426	PROTECT Box 3,2/1,6 BK	black	3.2 - 1.6	0.51	12	1
61742427	PROTECT Box 4,8/2,4 BK	black	4.8 - 2.4	0.51	10	1
61742428	PROTECT Box 6,4/3,2 BK	black	6.4 - 3.2	0.64	8	1
61742429	PROTECT Box 9,5/4,7 BK	black	9.5 - 4.7	0.64	7	1
61742430	PROTECT Box 12,7/6,4 BK	black	12.7 - 6.4	0.64	6	1
61742431	PROTECT Box 19,1/9,5 BK	black	19.1 - 9.5	0.7	5	1
61742433	PROTECT Box 25,4/12,7 BK	black	25.4 - 12.7	0.89	3	1
Transparent						
61742434	PROTECT Box 1,2/0,6 TR	transparent	1.2 - 0.6	0.41	12	1
61742435	PROTECT Box 1,6/0,8 TR	transparent	1.6 - 0.8	0.43	12	1
61742436	PROTECT Box 2,4/1,2 TR	transparent	2.4 - 1.2	0.51	12	1
61742437	PROTECT Box 3,2/1,6 TR	transparent	3.2 - 1.6	0.51	12	1
61742438	PROTECT Box 4,8/2,4 TR	transparent	4.8 - 2.4	0.51	10	1
61742439	PROTECT Box 6,4/3,2 TR	transparent	6.4 - 3.2	0.64	8	1
61742440	PROTECT Box 9,5/4,7 TR	transparent	9.5 - 4.7	0.64	7	1
61742441	PROTECT Box 12,7/6,4 TR	transparent	12.7 - 6.4	0.64	6	1
61742442	PROTECT Box 19,1/9,5 TR	transparent	19.1 - 9.5	0.77	5	1
61742443	PROTECT Box 25,4/12,7 TR	transparent	25.4 - 12.7	0.89	3	1

Shrink tubes from ABB (former Thomas & Betts) are available upon request

Photographs are not to scale and do not represent detailed images of the respective products.

**Shrink tube PROTECT****Benefits**

- Very flexible, UL 224 flame retardant thin-walled heat shrink tubing with excellent physical and mechanical properties
- Approved for the use in North America and Canada

Application range

- General purpose, flexible heat shrink tubing for protection, insulation and bundling

Product features

- Dielectric strength: 20 kV/mm
- UV-resistant

Norm references / Approvals

- UL file no.: E476215
- UL 224 approval

Note

- Not resistant against engine oils

Included

- Plastic bag with 1.22 m units

Suitable tools

- HG 2320 hot-air pistol refer to page 1052

Technical data

ETIM 5.0 Class-ID: EC000217

ETIM 5.0 Class-Description:

Heat-shrink tubing

**General**

Thin walled

**On request**

Other colours are available upon request

**Note**

Dielectric strength: 20 kV/mm

**Info**

Shrinking ratio: 2:1

**Colour delivered**

Black

**Material**

Cross-linked polyolefin, without silicone, cadmium and lead

**Temperature range**

-55 °C to +135 °C

Shrinking temperature: +90 °C

Article number	Article description	Colour	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	PU (m)	PU
Shrink tube PROTECT						
61742400	PROTECT 1,2/0,6 BK	black	1.2 - 0.6	0.41	61	1
61742401	PROTECT 1,6/0,8 BK	black	1.6 - 0.8	0.43	61	1
61742402	PROTECT 2,4/1,2 BK	black	2.4 - 1.2	0.51	61	1
61742403	PROTECT 3,2/1,6 BK	black	3.2 - 1.6	0.51	61	1
61742404	PROTECT 4,8/2,4 BK	black	4.8 - 2.4	0.51	61	1
61742405	PROTECT 6,4/3,2 BK	black	6.4 - 3.2	0.64	61	1
61742406	PROTECT 9,5/4,7 BK	black	9.5 - 4.7	0.64	30.5	1
61742407	PROTECT 12,7/6,4 BK	black	12.7 - 6.4	0.64	30.5	1
61742408	PROTECT 19,1/9,5 BK	black	19.1 - 9.5	0.77	30.5	1
61742409	PROTECT 25,4/12,7 BK	black	25.4 - 12.7	0.89	18.3	1

Shrink tubes from ABB (former Thomas & Betts) are available upon request

Photographs are not to scale and do not represent detailed images of the respective products.



Shrink tube PROTECT GN/YE



Benefits

- Very flexible, UL 224 flame retardant thin-walled heat shrink tubing with excellent physical and mechanical properties
- Approved for the use in North America and Canada

Application range

- For identifying and marking earthing connectors and cables
- Mechanical and electrical insulation, corrosion protection

Product features

- Dielectric strength: 20 kV/mm

Norm references / Approvals

- UL file no.: E476215

Note

- Non halogen-free

Design

- Green-yellow polyolefin shrink-tubing

Included

- Plastic bag with 1.22 m units

Suitable tools

- HG 2320 hot-air pistol refer to page 1052

Technical data



ETIM 5.0 Class-ID: EC000217
ETIM 5.0 Class-Description:
Heat-shrink tubing



General
Dielectric strength: 20 kV/mm



Info
Shrinking ratio: 2:1



Colour delivered
green/yellow



Material
Cross-linked polyolefin, without
silicone, cadmium and lead



Temperature range
-55°C to +135°C
Shrinking temperature: +90°C

Article number	Article description	Colour	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	PU (m)	PU
Shrink tube PROTECT GN/YE						
61742416	PROTECT 3,2/1,6 GN/YE	green-yellow	3.2 - 1.6	0.51	61	1
61742417	PROTECT 4,8/2,4 GN/YE	green-yellow	4.8 - 2.4	0.51	61	1
61742418	PROTECT 6,4/3,2 GN/YE	green-yellow	6.4 - 3.2	0.64	30.5	1
61742419	PROTECT 9,5/4,7 GN/YE	green-yellow	9.5 - 4.7	0.64	30.5	1
61742420	PROTECT 12,7/6,4 GN/YE	green-yellow	12.7 - 6.4	0.64	30.5	1
61742421	PROTECT 19,1/9,5 GN/YE	green-yellow	19.1 - 9.5	0.77	30.5	1
61742422	PROTECT 25,4/12,7 GN/YE	green-yellow	25.4 - 12.7	0.89	18.3	1

Shrink tubes from ABB (former Thomas & Betts) are available upon request
Photographs are not to scale and do not represent detailed images of the respective products.

**Benefits**

- Convenient plastic kit with PROTECT shrink tubes including small hot air pistol

Application range

- For repair and maintenance, for small series production and in research and development

Product features

- Dielectric strength: 20 kV/mm

Norm references / Approvals

- UL file no.: E476215

Included

- The shrink set in a practical case
- Assortment of common shrinking tube sizes of type PROTECT
- Content:**
 - 50x 50 mm Shrink tube PROTECT 1,6/0,8 BK
 - 50x 50 mm Shrink tube PROTECT 1,6/0,8 TR
 - 50 x 50 mm Shrink tube PROTECT 2,4/1,2 BK
 - 50 x 50 mm Shrink tube PROTECT 2,4/1,2 TR
 - 20 x 50 mm Shrink tube PROTECT 3,2/1,6 BK
 - 20 x 50 mm Shrink tube PROTECT 3,2/1,6 TR
 - 20 x 50 mm Shrink tube PROTECT 3,2/1,6 YE

Technical data

ETIM 5.0 Class-ID: EC000217
ETIM 5.0 Class-Description:
Heat-shrink tubing



Info
Shrinking ratio: 2:1



Material
Cross-linked polyolefin, without silicone, cadmium and lead



Temperature range
-55 °C to +135 °C
Shrinking temperature: +90 °C

20 x 50 mm Shrink tube PROTECT 3,2/1,6 WH
10 x 50 mm Shrink tube PROTECT 4,8/2,4 BK
10 x 50 mm Shrink tube PROTECT 4,8/2,4 TR
10 x 50 mm Shrink tube PROTECT 4,8/2,4 YE
10 x 50 mm Shrink tube PROTECT 4,8/2,4 BU
15 x 50 mm Shrink tube PROTECT 6,4/3,2 BK
15 x 50 mm Shrink tube PROTECT 6,4/3,2 WH
15 x 50 mm Shrink tube PROTECT 6,4/3,2 YE
15 x 50 mm Shrink tube PROTECT 6,4/3,2 BU

Shrink tube PROTECT Set

15 x 50 mm Shrink tube PROTECT 9,5/4,7 BK
15 x 50 mm Shrink tube PROTECT 9,5/4,7 BU
20 x 50 mm Shrink tube PROTECT 12,7/6,4 BK
20 x 50 mm Shrink tube PROTECT 12,7/6,4 RD
5 x 100 mm Shrink tube PROTECT 19,1/9,5 BK

Article number	Article description
Shrink tube PROTECT Set	
61742465	PROTECT Set

Shrink tubes from ABB (former Thomas & Betts) are available upon request
Photographs are not to scale and do not represent detailed images of the respective products.

**Benefits**

- Good chemical resistance
- High mechanical stability
- Good weather-resistance
- High shrink ratio and adhesive coating

Application range

- Particularly suitable for corrosion and damp protected casings as well as highly contoured components

Product features

- Adhesive lining bonds to plastic, rubber, neoprene, steel and polyethylene
- UV-resistant
- Dielectric strength: 15 kV/mm

Included

- Plastic bag with 0.6 m units

Suitable tools

- HG 2320 hot-air pistol refer to page 1052

Technical data

ETIM 5.0 Class-ID: EC000217
ETIM 5.0 Class-Description:
Heat-shrink tubing



General
Double-walled



Note
Dielectric strength: 15 kV/mm



Info
Shrinking ratio: 3:1



Colour delivered
Black



Material
Cross-linked modified polyolefin, with thermoplastic adhesive coating inside
Silicone, Cadmium and Lead free



Temperature range
-55 °C to +110 °C
Shrinking temperature: > 100 °C

**Shrink tube PROTECT-C**

Article number	Article description	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	PU (m)	PU
Shrink tube PROTECT-C					
61742449	PROTECT-C 3,0/1,0 BK	3.0 - 1.0	1	12	1
61742450	PROTECT-C 6,0/2,0 BK	6.0 - 2.0	1.1	9	1
61742451	PROTECT-C 9,0/3,0 BK	9.0 - 3.0	1.3	6	1
61742452	PROTECT-C 12,0/4,0 BK	12.0 - 4.0	1.7	5.4	1
61742453	PROTECT-C 18,0/6,0 BK	18.0 - 6.0	2	3.6	1
61742454	PROTECT-C 24,0/8,0 BK	24.0 - 8.0	2.5	3	1

Shrink tubes from ABB (former Thomas & Betts) are available upon request
Photographs are not to scale and do not represent detailed images of the respective products.

Insulating, protecting, shrinking • Heat-shrinking products



Shrink tube PROTECT-M/PROTECT-T



Benefits

- Is designed to withstand the severe mechanical requirements of submersible and direct-buried installations
- High resistance to abrasion, corrosion and chemicals
- Good weather-resistance

Application range

- Thick and medium-wall shrink tubes for 600 V, 90°C low voltage applications in continuous use
- Ideal for the protection of cable joints and terminations in low voltage power applications

Product features

- UV-resistant
- Dielectric strength:
PROTECT-M: 15 kV/mm
PROTECT-T: 14 kV/mm

Design

- PROTECT-M = medium wall
- PROTECT-T = thick wall

Included

- Plastic bags with 1.0 m units

Suitable tools

- HG 2320 hot-air pistol refer to page 1052

Technical data



ETIM 5.0 Class-ID: EC000217

ETIM 5.0 Class-Description:

Heat-shrink tubing



Note

Non flame-retardant
Double-walled



Info

Shrinking ratio: 3:1
Good UV-resistance



Material

Cross-linked modified polyolefin, with thermoplastic adhesive coating inside
Halogen-free



Temperature range

-40°C to +120°C

Shrinking temperature: +110°C

Article number	Article description	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	Pieces / PU	PU
Medium wall					
61742460	PROTECT- M 12/3 BK	12.0 - 3.0	2.2	15	1
61742461	PROTECT- M 33/8 BK	33.0 - 8.0	2.6	10	1
61742462	PROTECT- M 40/12 BK	40.0 - 12.0	2.6	5	1
61742463	PROTECT- M 56/17 BK	56.0 - 17.0	3	3	1
61742464	PROTECT- M 92/26 BK	92.0 - 26.0	3.15	1	1
Thick wall					
61742455	PROTECT- T 13.0/4.0 BK	13.0 - 4.0	2.65	25	1
61742456	PROTECT- T 19/6 BK	19.0 - 6.0	2.65	15	1
61742457	PROTECT- T 45/12 BK	45.0 - 13.0	3.7	5	1
61742458	PROTECT- T 52/16 BK	52.0 - 16.0	4.1	3	1
61742459	PROTECT- T 130/45 BK	130.0 - 45.0	4.2	1	1

Shrink tubes from ABB (former Thomas & Betts) are available upon request

Photographs are not to scale and do not represent detailed images of the respective products.



TEC sealing cap

Benefits

- Secure sealing through thermoplastic adhesive coating on the inside
- Good resistance to chemicals and solvents
- Ensures high tensile strength and mechanical protection

Application range

- For sealing cable ends against the seepage of moisture and contaminants

Technical data



ETIM 5.0 Class-ID: EC000218

ETIM 5.0 Class-Description:
Heat-shrink end cap

General

UV-resistant
Double-walled

Colour delivered

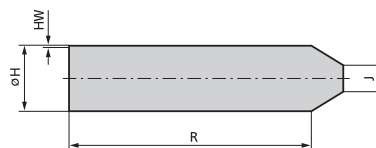
Black



Material

Cross-linked modified polyolefin, with
thermoplastic adhesive coating inside
Halogen-free and silicone-free

Temperature range

-55 °C to +100 °C
Shrink temperature: 135 °C

Article number	Article description	H max. mm	H min. mm	J max. mm	Cable Ø (mm)	R* after shrinking (mm)	Panel thickness HW* (mm)	Pieces / PU
TEC sealing cap								
61830000	TEC 15/4,5	15	4.5	4	5.0 - 12.0	30	2	10
61830010	TEC 25/9	25	9	6.5	10.0 - 22.0	50	2.3	10
61830020	TEC 36/15	36	15	10.5	17.0 - 30.0	80	3	10
61830040	TEC 55/25	55	25	16	28.0 - 47.0	130	3.3	10
61830050	TEC 80/40	80	40	17	45.0 - 70.0	150	4	10
61830060	TEC 102/60	102	60	26	68.0 - 90.0	140	4	1
61830070	TEC 148/57	148	57	27	80.0 - 133.0	105	3.3	1

1. after shrinking +/- 10%; 2. after shrinking +/- 20%

Photographs are not to scale and do not represent detailed images of the respective products.



TEB branch muff

Benefits

- Secure sealing through thermoplastic adhesive coating on the inside
- Good resistance to chemicals and solvents
- Ensures high tensile strength and mechanical protection

Application range

- Insulation and sealing of cable splices

Design

- Double-walled

Technical data



ETIM 5.0 Class-ID: EC001170

ETIM 5.0 Class-Description:
Straight-through/transition joint (set)

General

UV-resistant



Info

Shrinking ratio: > 2:1



Colour delivered

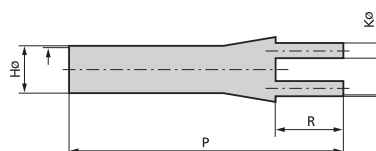
Black



Material

Cross-linked modified polyolefin, with
thermoplastic adhesive coating inside
Halogen-free and silicone-free

Temperature range

-55 °C to +100 °C
Shrinking temperature: +120 °C

Article number	Article description	Number of cores	H max. mm	H min. mm	K max. mm	K min. mm	P* mm	R* mm	Pieces / PU
TEB branch muff									
61830110	TEB 2-30/12	2	30	12	14	4	93	23	10
61830120	TEB2-50/21	2	60	23	25	7.5	118	29	10
61830130	TEB3-60/24	3	60	24	27	7	165	50	10
61830140	TEB4-40/15	4	40	15	13	3	105	26	10
61830150	TEB4-55/21	4	55	21	20	5.5	150	40	10
61830160	TEB4-75/26	4	75	26	28	7.5	175	45	10
61830170	TEB4-90/32	4	90	34	32	10	198	58	1

1. after shrinking +/- 10%; 2. after shrinking +/- 20%

Photographs are not to scale and do not represent detailed images of the respective products.



HG 2320 hot-air pistol



Benefits

- One hand operation is possible
- Four memo programs
- Optical LCD temperature and speed display
- High-performance, electronically regulated professional hot-air blower with continuous air flow and temperature regulation and LCD display
- Display of the heat remainders prevents burns

Application range

- Robust housing for manual and stationary operation.
- Control cabinets and equipment wiring

Product features

- Adjustable temperature setting
- Double protection against overheating - thermostat and thermal fuse
- Air inlet with mesh to protect against coarse impurities
- Adjustable speed setting

Note

- Lifetime of the motor: 1.000 h

Included

- Hot-air pistol, plastic case, reduction nozzle 9 mm, reflector nozzle, variety of different shrink tube pieces (100 pc, Ø 1,6 9,5 mm)



Info

- New version with improved functions and lifetime

Technical data



ETIM 5.0 Class-ID: EC001382
ETIM 5.0 Class-Description:
Hot glue gun (electric)



General

Dimensions:
Without case: 253 x 86,5 x 200 mm
With case: 395 x 100 x 320 mm
Weight incl. packaging: 2195 g



Note

Length power cord: 3 m
230 V, 50/60 Hz



Info

Air volume: 150 - 500 l/min,
stepless adjustable
2 levels



Temperature range

80 - 650 °C, stepless adjustable

Article number	Article description	Max. heating capacity	Attainable air temperature	Pieces / PU
HG 2320 hot-air pistol				
61801246	Ho air pistol HG 2320 E	2300	650	1

Photographs are not to scale and do not represent detailed images of the respective products.

Guarantee is limited to 500 working hours or 1 year

Accessories

- Shrink tube PROTECT Box refer to page 1046
- Shrink tube PROTECT-C refer to page 1049
- Shrink tube PROTECT-M/PROTECT-T refer to page 1050

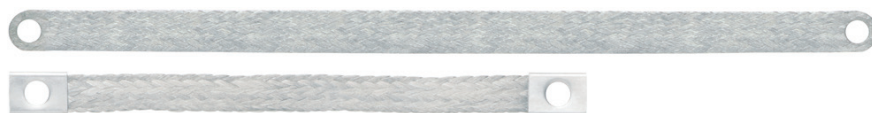


Ground Straps / Flat Ground Straps



Info

- New sizes are available



Application range

- Control cabinet manufacturing
- The protective earth safety measure is prescribed by standard
- Fixed and moving metal parts, such as doors in switch cabinet construction, must be earthed

Product features

- Fixed lengths for M6 and M8 screws

Product Make-up

- Ground straps:
 - Strands of bare copper wires
 - PVC-based core insulation
 - Assembled with ring cable lugs
- Pressure-welded flat ground straps:
 - Strand made of tinned-copper wires
 - Welded ends
- Flat ground straps with sleeves:
 - Strands made of tinned-copper wires
 - Assembled with pressed contact sleeves

Technical data



ETIM 5.0 Class-ID: EC001182
ETIM 5.0 Class-Description:
Braided hose



Core identification code
Assembled ground straps
green/yellow



Conductor stranding
Assembled ground straps
IEC 60 228 Class 6
Assembled flat ground straps
IEC 60 228 Class 6, tin-plated
Extra-fine wire



Minimum bending radius
Assembled ground straps
7 x outer diameter
Assembled flat ground straps
5 x outer diameter



Test voltage
Assembled ground straps
2500 V



Temperature range
Assembled ground straps
-30°C to +70°C
Assembled flat ground straps
-5°C to +70°C

Article number	Cross-section (mm ²)	Article designation	For	Length (mm)	PU
Ground straps					
4571120	4	Ground strap 1 x 4/M6/170 mm GN/YE	M6	170	25
4571121	16	Ground straps 1x16/M6/170mm GN/YE	M6	170	25
4571122	25	Ground strap 1x25/M6/170mm GN/YE	M6	170	25
4571123	4	Ground strap 1x4/M8/300mm GN/YE	M8	300	25
4571198	16	Ground strap 1x16/M6/500mm GN/YE	M6	500	25
4571124	16	Ground strap 1x16/M8/300mm GN/YE	M8	300	25
4571125	25	Ground strap 1x25/M8/300mm GN/YE	M8	300	25
Pressure-welded flat ground straps					
4571132	10	Flat ground strap/press. 1X10/M6/200mm	M6	200	25
4571133	16	Flat ground strap/press. 1x16/M8/200mm	M8	200	25
4571134	25	Flat ground strap/terminals 1x25/M8/200mm	M8	200	25
4571135	10	Flat ground strap/press. 1x10/M6/300mm	M6	300	25
70399965	16	Flat ground strap/press. 1X16/M6/200mm	M6	200	25
70399966	16	Flat ground strap/press. 1X16/M6/300mm	M6	300	25
70399967	16	Flat ground strap/press. 1x16/M8/200mm	M8	200	25
4571136	16	Flat ground strap/terminals 1x16/M8/300mm	M8	300	25
4571137	25	Flat ground strap/terminals 1x25/M8/300mm	M8	300	25
70399969	25	Flat ground strap/press. 1X25/M8/500mm	M8	500	25
Flat ground straps with terminals					
4571196	6	Flat Ground Strap/Press. 1x6/M6/200mm	M6	200	25
4571197	6	Flat Ground Strap/Press. 1x6/M6/300mm	M6	300	25
4571126	10	Flat ground straps/terminals 1x10/M6/200mm	M6	200	25
4571127	16	Flat ground strap/terminals 1x16/M8/200mm	M8	200	25
4571128	25	Flat ground strap/terminals 1x25/M8/200mm	M8	200	25
4571129	10	Flat ground strap/terminals 1x10/M6/300mm	M6	300	25
4571130	16	Flat ground strap/terminals 1x16/M8/300mm	M8	300	25
4571131	25	Flat ground strap/terminals 1x25/M8/300mm	M8	300	25

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Details of the clamping force are available upon request, halogen-free.

Photographs are not to scale and do not represent detailed images of the respective products.



KW plastic coil



Benefits

- Flexibility of the cables is largely preserved
- Spiral-shaped cut tube
- For time-saving cable and wire bundling

Application range

- For the manufacturing of cable harnesses with branch-offs
- For protection against mechanical stress

Product features

- Black version: Fire behaviour according to UL 94 HB

Included

- In each PU one coiling tool for spirals is included to avoid time-consuming preparation and installation.

Technical data



ETIM 5.0 Class-ID: EC000046
ETIM 5.0 Class-Description: Cable tie



General

Black version: UV-resistant



Material

Black version: polyamide
(silicone free and halogene free)
Nature and coloured version:
polyethylene



Temperature range

Black version: -40 °C to +120 °C
Natural and coloured version
-50 °C to 85 °C

Article number	Article description	Colour / bundle Ø (mm)	PU (m)
KW plastic coil			
61600010	Plastic spiral KW 2	natural / 2 - 7	50
61600015	Plastic spiral KW 2	black / 2 - 7	50
61722850	Plastic spiral KW 2	blue / 2 - 7	50
61722856	Plastic spiral KW 2	yellow / 2 - 7	50
61600040	Plastic spiral KW 5	natural / 5 - 20	30
61600045	Plastic spiral KW 5	black / 5 - 20	25
61722851	Plastic spiral KW 5	blue / 5 - 20	25
61600050	Plastic spiral KW 5	yellow / 5 - 20	25
61600070	Plastic spiral KW 10	natural / 10 - 40	30
61722840	Plastic spiral KW 10	black / 10 - 40	25
61722852	Plastic spiral KW 10	blue / 10 - 40	25
61600080	Plastic spiral KW 10	yellow / 10 - 40	25

Other sizes and colours are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- Cable-Eater bunched cable conduit refer to page 1055



Cable-Eater bunched cable conduit



Benefits

- Fast and easy assembly through using the cable insertion tools
- Reduced installation time

Application range

- The main fields of application include the bundling and protection of cables in cable pre-assembly, the electrical industry and switch cabinet and plant construction.

Included

- Suitable insertion tool
- SHR protective cable conduit

Technical data



ETIM 5.0 Class-ID: EC000046
ETIM 5.0 Class-Description: Cable tie



Note

Halogen-free
Flame-retardant according to UL 94 HB



Colour delivered

White
Black



Material

Polypropylene (PP)
LABS-free

Article number	Article description	Colour / bundle Ø (mm)	Inner Ø (mm)	Panel thickness (mm)	Processing tool/ installation tool	PU (m)
Cable-Eater bunched cable conduit						
61830300	SHR-08-PPB	black / 6 - 9	8	0.8	STKP 8	100
61830310	SHR-15-PPB	black / 10 - 16	15	0.8	STKP 15	50
61830320	SHR-20-PPB	black / 17 - 21	20	0.9	STKP 20	30
61830330	SHR-25-PPB	black / 21 - 28	25	1	STKP 25	20
61830302	SHR-08-PPW	white / 6 - 9	8	0.8	STKP 8	100
61830312	SHR-15-PPW	white / 10 - 16	15	0.8	STKP 15	50
61830322	SHR-20-PPW	white / 17 - 21	20	0.9	STKP 20	30
61830332	SHR-25-PPW	white / 21 - 28	25	1	STKP 25	20
61830335	SHR-32-PPB	black / 29 - 32	32	1.3	STKP 32	15
61830333	SHR-32-PPW	white / 29 - 32	32	1.3	STKP 32	15

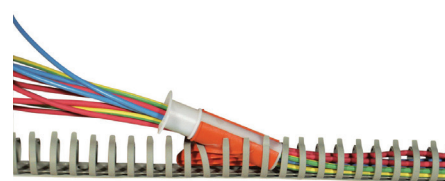
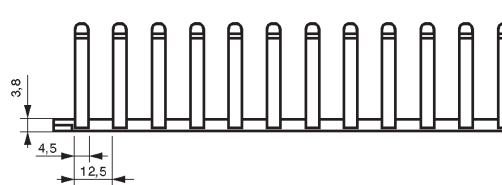
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Spare tool Cable - Eater refer to page 1057



Flexible wiring duct



Benefits

- Fast and easy assembly through using the cable insertion tools
- Reduced installation time

Application range

- For use in control panels, distribution boards or in areas that are difficult to reach
- Attach the cable trunking: webs turned upwards, connect one cable end and laterally insert the cable up to the requested branch point, connect the opposite cable end

Product features

- Two or more lengths can be joined by snapping the ends together
- Are delivered in 50 cm pieces

Norm references / Approvals

- UL 94 V-2

Note

- Recommended screws: M3 with cheese head DIN85A and washer or M4 with cheese head DIN 85 A and washer

Suitable tools

- Cable Eater tool (STK 20)

Technical data



On request

Version with self-adhesive layer
Square form



Note

Halogen-free



Colour delivered

Light grey (RAL 7035)



Material

Polypropylene (PP)



Temperature range

-40°C to +70°C

Article number	Article description	Length (mm)	Height (mm)	Width (mm)	Quantity of pieces	PU (m)
Flexible wiring duct						
61830290	GMF HF-20 GY	23	24	19	60	30
61830291	GMF HF-30 GY	33	35	28	36	18
61830292	GMF HF-40 GY	44	46	37	24	12

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Spare tool Cable - Eater refer to page 1057

Application range

- Cable pull-in tool for SILVYN® RILL PA6 SINUS and for the Cable-Eater

Suitable conduits

- SILVYN® SINUS PA6 Page 895

Technical data

ETIM 5.0 Class-ID: EC000046
ETIM 5.0 Class-Description: Cable tie

Spare tool Cable - Eater

Article number	Article description	Pieces / PU
Cable Eater tool		
61830340	STKP 8	1
61830350	STKP 15	1
61830360	STKP 20	1
61830370	STKP 25	1
61830380	STKP 32	1

Photographs are not to scale and do not represent detailed images of the respective products.

**Benefits**

- High resistance to bases, oils, greases, oil derivatives, solvents containing chlorine
- Good UV-resistance of the black cable tie
- High tensile strengths

Application range

- Multipurpose cable tie for many applications

Product features

- Flame retardancy: UL 94 class V2
- Water absorption: 2.5 % (50 % relative humidity)
- Dielectric strength: 50,000 volts/mm

**Info**

- The standard cable ties for many applications

Technical data

ETIM 5.0 Class-ID: EC000046
ETIM 5.0 Class-Description: Cable tie



Material
Polyamide 6.6
Halogen-free



Temperature range
-40°C to +85°C
Max. temperature: +110°C (short-term)

**Basic Tie cable tie****Norm references / Approvals**

- E-File no. upon request

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	PU
natural						
61831001	Basic Tie 100x2.5 TR	yes	100.0 x 2,5	2.0 - 24.0	110	1000
61831003	Basic Tie 160x2.5 TR	yes	160.0 x 2,5	2.0 - 42.0	110	1000
61831004	Basic Tie 200x2.5 TR	yes	200.0 x 2,5	2.0 - 55.0	110	1000
61831005	Basic Tie 140x3.5 TR	yes	140.0 x 3,5	3.0 - 36.0	200	1000
61831006	Basic Tie 200x3.5 TR	yes	200.0 x 3,5	3.0 - 55.0	200	1000
61831007	Basic Tie 280x3.5 TR	yes	280.0 x 3,5	3.0 - 80.0	200	100
61831013	Basic Tie 360x3.5 TR	yes	360.0 x 3,5	5.0 - 103.0	200	100
61831009	Basic Tie 160x4.5 nat.	yes	160.0 x 4,5	3.0 - 38.0	280	1000
61831011	Basic Tie 200x4.5 TR	yes	200.0 x 4,5	3.0 - 51.0	280	1000
61831014	Basic Tie 250x4.5 TR	yes	250.0 x 4,5	5.0 - 68.0	280	100
61831016	Basic Tie 360x4.5 TR	yes	360.0 x 4,5	5.0 - 101.0	280	100
61831020	Basic Tie 240x7.5 TR	yes	240.0 x 7,5	5.0 - 62.0	650	100
61831021	Basic Tie 320x7.5 TR	yes	320.0 x 7,5	5.0 - 88.0	650	100
61831022	Basic Tie 360x7.5 TR	yes	360.0 x 7,5	5.0 - 101.0	650	100
61831023	Basic Tie 450x7.5 TR	yes	450.0 x 7,5	20.0 - 130.0	650	100
61831024	Basic Tie 540x7.5 TR	yes	540.0 x 7,5	20.0 - 160.0	650	100
61831025	Basic Tie 750x7.5 TR	yes	750.0 x 7,5	32.0 - 222.0	650	100
61831026	Basic Tie 780x9.0 TR	yes	780.0 x 9.0	20.0 - 235.0	800	100

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	PU
Black- UV-resistant						
61831041	Basic Tie 100x2.5 BK	yes	100.0 x 2,5	2.0 - 24.0	110	1000
61831043	Basic Tie 160x2.5 BK	yes	160.0 x 2,5	2.0 - 42.0	110	1000
61831044	Basic Tie 200x2.5 BK	yes	200.0 x 2,5	2.0 - 55.0	110	1000
61831045	Basic Tie 140x3.5 BK	yes	140.0 x 3,5	3.0 - 36.0	200	1000
61831046	Basic Tie 200x3.5 BK	yes	200.0 x 3,5	3.0 - 55.0	200	1000
61831047	Basic Tie 280x3.5 BK	yes	280.0 x 3,5	3.0 - 80.0	200	100
61831053	Basic Tie 360x3.5 BK	yes	360.0 x 3,5	5.0 - 103.0	200	100
61831049	Basic Tie 160x4.5 BK	yes	160.0 x 4,5	3.0 - 38.0	280	1000
61831051	Basic Tie 200x4.5 BK	yes	200.0 x 4,5	3.0 - 51.0	280	1000
61831054	Basic Tie 280x4.5 BK	yes	280.0 x 4,5	5.0 - 68.0	280	100
61831056	Basic Tie 360x4.5 BK	yes	360.0 x 4,5	5.0 - 101.0	280	100
61831060	Basic Tie 240x7.5 BK	yes	240.0 x 7,5	5.0 - 62.0	650	100
61831061	Basic Tie 320x7.5 BK	yes	320.0 x 7,5	4.0 - 80.0	650	100
61831062	Basic Tie 360x7.5 BK	yes	360.0 x 7,5	5.0 - 101.0	650	100
61831063	Basic Tie 450x7.5 BK	yes	450.0 x 7,5	20.0 - 130.0	650	100
61831064	Basic Tie 540x7.5 BK	yes	540.0 x 7,5	20.0 - 160.0	650	100
61831065	Basic Tie 750x7.5 BK	yes	750.0 x 7,5	32.0 - 222.0	650	100
61831066	Basic Tie 780x9.0 BK	yes	780.0 x 9,0	20.0 - 235.0	800	100

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- BASIC cable tie pliers refer to page 1068



TY - FAST® cable ties



Benefits

- The integrally formed Polyamide pawl combines low insertion and high locking strength
- Sure Grip tab keeps the tail from popping out while being threaded, then holds it securely for final tightening by hand or tool

Application range

- Multipurpose cable tie for many applications

Norm references / Approvals

- File number: E49405, see table
- Fire behaviour according to UL 94V-2

Suitable tools

- TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers refer to page 1067

Technical data

 ETIM 5.0 Class-ID: EC000046
ETIM 5.0 Class-Description: Cable tie

 **Material**
Polyamide 6.6
Halogen-free and silicone-free

 **Temperature range**
-40°C to +85°C

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	Pieces / PU
natural						
61810350	TY100-18	yes	114.0 x 2.4	25.0	80	1000
61810360	TY125-18	yes	136.0 x 2.4	32.0	80	1000
61810380	TY125-40	yes	142.0 x 3.6	32.0	180	1000
61810390	TY200-40	yes	205.0 x 3.6	50.0	180	1000
61810400	TY300-40	yes	290.0 x 3.6	76.0	180	1000
61810410	TY175-50	yes	186.0 x 4.6	44.0	220	1000
61810420	TY300-50	yes	305.0 x 4.6	76.0	220	1000
61810430	TY400-50	yes	376.0 x 4.6	102.0	220	1000
61810440	TY200-120	no	219.0 x 7.6	50.0	540	500
61810450	TY400-120	yes	376.0 x 7.6	102.0	540	500
Black- UV-resistant						
61810460	TY100-18x	yes	114.0 x 2.4	25.0	80	1000
61810470	TY125-18x	yes	136.0 x 2.4	32.0	80	1000
61810490	TY125-40x	yes	143.0 x 3.6	32.0	180	1000
61810500	TY200-40x	yes	205.0 x 3.6	50.0	180	1000
61810510	TY300-40x	yes	290.0 x 3.6	76.0	180	1000
61810520	TY175-50x	yes	186.0 x 4.6	44.0	220	1000
61810530	TY300-50x	yes	305.0 x 4.6	76.0	220	1000
61810540	TY400-50x	yes	376.0 x 4.6	102.0	220	1000
61810550	TY200-120x	no	219.0 x 7.6	50.0	540	500
61810560	TY400-120x	no	376.0 x 7.6	102.0	540	500

TY-FAST® is a registered trademark of ABB.

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers refer to page 1067



Detectable Cable ties



PEW 8.185 crimping pliers



PEW 8.185 crimping pliers

Benefits

- Detectable cable ties with an unique compound that can be detected by X-Ray equipment, metal detectors and visual inspection equipment
- Minimize the risk of product contamination
- The colour blue facilitates visual detection
- Help achieve the HACCP EU-Directive
- Available as standard polyamide 6.6 or in buoyant Polypropylene version for liquid-processing applications

Application range

- Are particularly recommended for applications using detection systems, where cable tie installation residuals (cut tails) are not allowed in the finished product
- Food and beverage industry, especially for production and processing equipment of milk and meat products
- Pharmaceutical production
- Applications with strong chemical influences

Norm references / Approvals

- Flammability class: UL 94 V-2/TY-RAP® polyamide 6.6
- Flammability class: UL 94 HB/ polypropylene and cable ties without steel nose
- Only the cable ties with steel nose are ECOLAB certified

Note

- Storage requirements: nylon (polyamide) is, by its nature, susceptible to external influences. Cable ties are mechanically moistened in order to ensure optimal use. As such, they must be stored in a cool, dry location and must not be exposed to direct sunlight. Cable ties are packed in plastic bags to retain moisture; these should remain closed until the cable ties are used.

Design

- Without steel nose/ PA 6.6
- With steel nose (brand TY-RAP®) / PA 6.6
- With steel nose (brand TY-RAP®) / polypropylene

Suitable tools

- TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers refer to page 1067

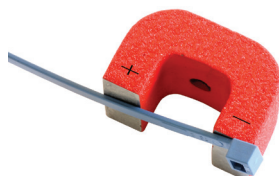
Technical data

	ETIM 5.0 Class-ID: EC000046 ETIM 5.0 Class-Description: Cable tie
	Colour delivered Blue
	Material Polyamide 6.6 or polypropylene Halogen-free and silicone-free
	Temperature range Cable ties without steel nose: -40°C up to +65°C Cable ties with steel nose: -40°C up to +85°C

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	Pieces / PU
Without steel nose/ PA 6.6						
61723360	Cable tie Detect 100 x 2,5 BU	no	100.0 x 2.5	2.0 - 24.0	100	100
61723361	Cable tie Detect 200 x 4,5 BU	no	200.0 x 4.5	3.0 - 51.0	250	100
61723362	Cable tie Detect 380 x 4,5 BU	no	380.0 x 4.5	5.0 - 110.0	250	100
61723363	Cable tie Detect 360 x 7,5 BU	no	360.0 x 7.5	5.0 - 101.0	600	100
With steel nose (brand TY-RAP®) / PA 6.6						
61723351	Cable tie TY-RAP TY523M-NDT	no	92.0 x 2.4	2.0 - 6.0	80	100
61723352	Cable tie TY-RAP TY525M-NDT	no	186.0 x 4.8	3.5 - 45.0	220	100
61723353	Cable tie TY-RAP TY528M-NDT	no	360.0 x 4.8	3.5 - 102.0	220	100
61723354	Cable tie TY-RAP TY527M-NDT	no	340.0 x 7.0	6.0 - 90.0	540	50
With steel nose (brand TY-RAP®) / polypropylene						
61723355	Cable tie TY-RAP TY523M-PDT	no	92.0 x 2.4	2.0 - 16.0	50	100
61723356	Cable tie TY-RAP TY525M-PDT	no	186.0 x 4.8	3.5 - 45.0	130	100
61723357	Cable tie TY-RAP TY528M-PDT	no	360.0 x 4.8	3.5 - 102.0	130	100
61723358	Cable tie TY-RAP TY527M-PDT	no	340.0 x 7.0	6.0 - 90.0	270	50

TY-RAP® is a registered trademark of ABB.

Photographs are not to scale and do not represent detailed images of the respective products.



Binding, bundling, fastening • Premium cable ties with steel nose



Standard cable ties with steel nose



PEW 8.185 crimping pliers

Benefits

- The special design of the cable ties guarantees maximum resistance and safety even in the most extreme applications.
- Steel nose ensures secure and durable binding
- High strength is constant even under harsh conditions: extreme temperature ranges, humidity and extreme cold
- Lock is also resistant to shocks and vibrations

Application range

- Good quality cable ties with steel nose for demanding environments

Product features

- The steel blade is fixed to the tie head and is made from corrosion-resistant, anti-magnetic steel (type 316)
- Strong Tie with higher pull-out forces

Norm references / Approvals

- File number TY-RAP®: E49405, see table
- Fire behaviour according to UL 94V-2

Included

- Strong Tie and TY-X: Packed in a recyclable plastic bag
- Items provided with the add-in "B" (e.g. TYB 24 M) are supplied in a handy workbox, where the cable ties are arranged properly

Suitable tools

- TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers refer to page 1067



Info

- Convince yourself of the good price/performance ratio of the new Strong Tie series.

Technical data

	ETIM 5.0 Class-ID: EC000046 ETIM 5.0 Class-Description: Cable tie
	Colour delivered Natural colour
	Material Polyamide 6.6 Halogen-free
	Temperature range -40°C to +85°C

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	Pieces / PU
Cable ties with steel nose- type Strong Tie						
61715011	Strong Tie 100 x 2,5 NA	no	100.0 x 2.5	2.0 - 24.0	180	1000
61715017	Strong Tie 200 x 2,5 NA	no	200.0 x 2.5	2.0 - 55.0	180	1000
61715012	Strong Tie 140 x 3,5 NA	no	140.0 x 3.5	3.0 - 36.0	280	1000
61715018	Strong Tie 200 x 3,5 NA	no	200.0 x 3.5	3.0 - 55.0	280	1000
61715014	Strong Tie 280 x 3,5 NA	no	280.0 x 3.5	3.0 - 80.0	280	1000
61715019	Strong Tie 360 x 3,5 NA	no	360.0 x 3.5	3.0 - 101.0	280	1000
61715013	Strong Tie 186 x 4,5 NA	no	186.0 x 4.5	3.0 - 51.0	400	1000
61715020	Strong Tie 290 x 4,5 NA	no	290.0 x 4.5	3.0 - 80.0	400	1000
61715016	Strong Tie 360 x 4,5 NA	no	360.0 x 4.5	3.0 - 103.0	400	1000
61715015	Strong Tie 340 x 7,0 NA	no	340.0 x 7.0	6.0 - 90.0	700	500
61715021	Strong Tie 220 x 7,5 NA	no	220.0 x 7.5	6.0 - 56.0	800	500
Cable ties with steel nose- type TY-RAP®						
61715000	TYB* 23 M	no	92.0 x 2.4	2.0 - 16.0	80	1000
61716250	TY 232 M	yes	203.0 x 2.4	2.0 - 50.0	80	1000
61716310	TY 234 M	yes	356.0 x 2.4	2.0 - 102.0	80	1000
61715060	TYB* 24 M	no	140.0 x 3.6	2.0 - 29.0	180	1000
61716370	TY 242 M	yes	204.0 x 3.6	2.0 - 50.0	180	1000
61715180	TY 26 M	yes	284.0 x 3.6	2.0 - 76.0	180	1000
61716430	TY 244 M	yes	368.0 x 3.6	2.0 - 103.0	180	1000
61715120	TYB* 25 M	no	186.0 x 4.8	3.5 - 45.0	220	1000
61716490	TY 253 M	yes	295.0 x 4.8	3.5 - 78.0	220	1000
61715300	TY 28 M	yes	361.0 x 4.8	3.5 - 102.0	220	1000
61716550	TY 272 M	yes	223.0 x 7.6	6.0 - 50.0	540	500
61715240	TY 27 M	yes	340.0 x 7.0	6.0 - 90.0	540	500
61715360	TY 29 M	yes	771.0 x 6.9	6.0 - 229.0	540	500

B = box, otherwise plastic bag

TY-RAP® is a registered trademark of ABB.

TY-RAP® Standard in other colours are available upon request (see description).

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers refer to page 1067



UV-stabilised cable ties with steel nose



PEW 8.185 crimping pliers



PEW 8.185 crimping pliers

Benefits

- Weather-resistant for harsh environmental conditions
- Contain 2 % Carbon to meet military specifications
- Steel nose ensures secure and durable binding
- High strength is constant even under harsh conditions: extreme temperature ranges, humidity and extreme cold
- Lock is also resistant to shocks and vibrations

Application range

- Used for outdoor installation and maintenance of power plants

Product features

- Strong Tie with higher pull-out forces

Norm references / Approvals

- File number TY-RAP®: E49405, see table
- Fire behaviour according to UL 94V-2

Included

- Strong Tie and TY-X: Packed in a recyclable plastic bag

Info

- Convince yourself of the good price/performance ratio of the new Strong Tie series.

Technical data

	ETIM 5.0 Class-ID: EC000046 ETIM 5.0 Class-Description: Cable tie
	Colour delivered RAL 9005 black/UV-resistant
	Material Polyamide 6.6 Halogen-free and silicone-free
	Temperature range -40 °C to +85 °C

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	Pieces / PU
Cable ties with steel nose- type Strong Tie						
61723001	Strong Tie UV 100x2,5 BK	no	100.0 x 2.5	2.0 - 24.0	180	1000
61723007	Strong Tie UV 200 x 2,5 BK	no	200.0 x 2.5	3.0 - 55.0	180	1000
61723002	Strong Tie UV 140 x 3,5 BK	no	140.0 x 3.5	3.0 - 36.0	280	1000
61723008	Strong Tie UV 200 x 3,5 BK	no	200.0 x 3.5	3.0 - 55.0	280	1000
61723004	Strong Tie UV 280 x 3,5 BK	no	280.0 x 3.5	3.0 - 80.0	280	1000
61723009	Strong Tie UV 360 x 3,5 BK	no	360.0 x 3.5	3.0 - 101.0	280	1000
61723003	Strong Tie UV 186 x 4,5 BK	no	186.0 x 4.5	3.0 - 51.0	400	1000
61723011	Strong Tie UV 290 x 4,5 BK	no	290.0 x 4.5	3.0 - 80.0	400	1000
61723006	Strong Tie UV 360 x 4,5 BK	no	360.0 x 4.5	3.0 - 103.0	400	1000
61723005	Strong Tie UV 340 x 7,0 BK	no	340.0 x 7.0	6.0 - 90.0	700	500
61723012	Strong Tie UV 220 x 7,5 BK	no	220.0 x 7.5	6.0 - 57.0	800	500
Cable ties with steel nose- type TY-RAP®						
61723010	TYB* 23 MX	no	92.0 x 2.4	2.0 - 16.0	80	1000
61723110	TY 232 MX	no	200.0 x 2.4	2.0 - 50.0	80	1000
61723120	TY 234 MX	no	356.0 x 2.4	2.0 - 102.0	80	1000
61723020	TYB* 24 MX	no	140.0 x 3.6	2.0 - 29.0	180	1000
61723130	TY 242 MX	yes	208.0 x 3.6	2.0 - 50.0	180	1000
61723040	TY 26 MX	yes	281.0 x 3.6	2.0 - 76.0	180	1000
61723140	TY 244 MX	no	368.0 x 3.6	2.0 - 103.0	180	1000
61723030	TYB* 25 MX	no	186.0 x 4.8	3.5 - 45.0	220	1000
61723150	TY 253 MX	no	293.0 x 4.8	3.5 - 78.0	220	1000
61723060	TY 28 MX	yes	360.0 x 4.8	3.5 - 102.0	220	1000
61723160	TY 272 MX	no	223.0 x 7.6	6.0 - 50.0	540	500
61723050	TY 27 MX	yes	340.0 x 7.0	6.0 - 90.0	540	500
61723070	TY 29 MX	no	762.0 x 7.6	6.0 - 229.0	540	500

TY-RAP® is a registered trademark of ABB.

Photographs are not to scale and do not represent detailed images of the respective products.



Heat-resistant cable ties with steel nose



Benefits

- Contains all the advantages of TY-RAP®, with higher heat-resistance

Application range

- Can be used in areas exposed to high temperatures such as electrical heating devices or heating installations

Norm references / Approvals

- File number: E49405, see table
- Fire behaviour according to UL 94V-2

Design

- Heat-resistant cable ties have the extension "M"

Suitable tools

- TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers refer to page 1067

Technical data

	ETIM 5.0 Class-ID: EC000046 ETIM 5.0 Class-Description: Cable tie
	Colour delivered Light green- transparent
	Material Heat-resistant polyamide 6.6 Halogen-free and silicone-free
	Temperature range -40 °C to +105 °C

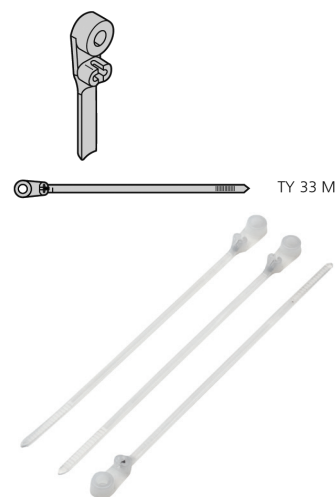
Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	Pieces / PU
TY-RAP® heat-resistant						
61723470	TYH 23 M	yes	92.0 x 2.4	2.0 - 16.0	80	1000
61723460	TYH 232 M	yes	203.0 x 2.4	2.0 - 50.0	80	1000
61723440	TYH 24 M	yes	140.0 x 3.6	2.0 - 29.0	130	1000
61723430	TYH 242 M	no	208.0 x 3.6	2.0 - 50.0	130	1000
61723410	TYH 26 M	yes	284.0 x 3.6	2.0 - 76.0	130	1000
61723420	TYH 25 M	yes	186.0 x 4.8	3.5 - 45.0	220	1000
61723380	TYH 28 M	yes	360.0 x 4.8	3.5 - 102.0	220	1000
61723390	TYH 272 M	no	222.0 x 7.6	6.0 - 50.0	540	500
61723400	TYH 27 M	yes	340.0 x 7.0	6.0 - 90.0	540	500
61723350	TYH 29 M	no	761.0 x 6.9	6.0 - 229.0	530	500

TY-RAP® is a registered trademark of ABB.

Photographs are not to scale and do not represent detailed images of the respective products.



Cable tie with steel nose for screwing on



Benefits

- Cable ties with fasteners
- Allow installation and bundling in one step
- Steel nose ensures secure and durable binding

Application range

- For assembly with screws, bolts and rivets
- Simultaneous installation and bundling
- Possible application areas: Cable assemblies, pre- and final installation of parts and bundles, and for maintenance-free installation of cables and ducts

Norm references / Approvals

- File number: E49405, see table
- Fire behaviour according to UL 94V-2

Design

- Also deliverable in black and UV-resistant

Technical data

	ETIM 5.0 Class-ID: EC000046 ETIM 5.0 Class-Description: Cable tie
	Colour delivered Natural colour
	Material Polyamide 6.6 Halogen-free and silicone-free
	Temperature range -40 °C to +85 °C

Suitable tools

- TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers refer to page 1067

Article number	Article description	UL certification	Hole Ø (mm)	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	Pieces / PU
TY-RAP® for screwing on							
61715420	TY 33 M	yes	2.8	102.0 x 2.3	2.0 - 16.0	80	1000
61715480	TY 34 M	yes	4.2	151.0 x 3.5	2.0 - 29.0	180	1000
61720000	TY 635 M	yes	3.5	198.0 x 4.8	3.5 - 45.0	220	1000
61715540	TY 35 M	yes	4.8	198.0 x 4.7	3.5 - 45.0	220	1000
61720070	TY 1435 M	yes	6.3	198.0 x 4.8	3.5 - 45.0	220	1000
61715600	TY 37 M	yes	6.3	356.0 x 7.7	6.0 - 90.0	540	500

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Cable ties with steel nose with labelling area

TY 53 M / TY 532 M



TY 51 M



Benefits

- Cable ties with marking area
- Allow binding and marking in one step
- Easy assembly as all edges are rounded
- The patented stainless steel locking hook guarantees a secure hold under harsh conditions

Application range

- For bundling and marking of cables, cable bundles, hydraulic and pneumatic supply lines

Norm references / Approvals

- File number: E49405, see table
- Fire behaviour according to UL 94V-2

Design

- TY 51 M: Area positioned at right angle to the cable tie
- TY 53 M/TY 532 M: Area positioned above the lock at right angle to the cable tie

Included

- TY-X: Packed in a recyclable plastic bag

Suitable tools

- TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers refer to page 1067

Technical data

	ETIM 5.0 Class-ID: EC000046 ETIM 5.0 Class-Description: Cable tie
	Colour delivered Natural colour
	Material Polyamide 6.6 Halogen-free and silicone-free
	Temperature range -40°C to +85°C

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Labelling surface (mm)	Tensile strength (N)	Pieces / PU
Right-angled surface							
61716020	TY 51 M	yes	92.0 x 2.4	10.0 - 16.0	25 x 8	80	500
Parallel surface							
61715840	TY 46 MD	yes	184.0 x 4.8	9.5 - 45.0	30 x 24	220 Double	500
61715880	TY 46 MT	yes	184.0 x 4.8	9.5 - 45.0	46 x 24	220 Triple	500
61715920	TY 46 MF	yes	184.0 x 4.8	9.5 - 45.0	63 x 24	220 Quadruple	250
61715780	TY 546 M	yes	184.0 x 4.8	9.5 - 45.0	13 x 24	220	100
61715950	TY 548 M	yes	360.0 x 4.8	19.0 - 102.0	13 x 54	220	100
Right-angled area above							
61716080	TY 53 M	yes	102.0 x 2.4	2.0 - 16.0	21 x 9	80	500
61716560	TY 532 M	yes	212.0 x 2.4	2.0 - 51.0	21 x 9	80	1000

TY-RAP® is a registered trademark of ABB.

Smaller packing units are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- KMK Label holders refer to page 989

Accessories

- MS Marker pens refer to page 961



Quick tie cable ties



Benefits

- Low-cost, reopenable and reusable cable ties suitable for lightweight loads
- Round profile guarantees high mechanical strength and a firm seal
- Dual-closure design makes it possible to create a hanging loop

Application range

- When something has to be bundled or fixed quickly at short notice
- For sealing of bags and sacks

Norm references / Approvals

- Fire behaviour according to UL 94 HB

Technical data

RAL	Colour delivered Black- UV-resistant Red- RAL 3000
	Material Polyethylene
	Temperature range -40 °C to +85 °C

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Pieces / PU
Red					
61710040	Quick Tie 120 x 3,5 RD	no	118.0 x 3.4	3.0 - 26.0	100
61710041	Quick Tie 240 x 3,8 RD	no	238.0 x 4.0	4.0 - 61.0	100
61710042	Quick Tie 320 x 4,4 RD	no	318.0 x 4.4	5.0 - 83.0	100
61710043	Quick Tie 650 x 5,6 RD	no	643.0 x 5.5	80.0 - 180.0	100
Black					
61721101	Quick Tie 120 x 3,5 BK	no	118.0 x 3.4	3.0 - 26.0	100
61721102	Quick Tie 240 x 3,8 BK	no	238.0 x 4.0	4.0 - 61.0	100
61721103	Quick Tie 320 x 4,4 BK	no	318.0 x 4.4	5.0 - 83.0	100
61721104	Quick Tie 650 x 5,6 BK	no	643.0 x 5.5	80.0 - 180.0	100

Photographs are not to scale and do not represent detailed images of the respective products.



TY-GRIP® FOL/ FO cable tie



Benefits

- For easy and quick bundling
- Cable friendly: Prevent injuries of cable outer sheathing
- Could be reused again

Application range

- Ideal for applications where they frequently need to be changed or constant access is required
- For bundling of sensitive cables as fiber optic cables and network cables
- Light and sound applications

Norm references / Approvals

- Flame-retardant according to UL 94 HB

Design

- FOL with strap: Strap made of high-quality polymer provides additional stability and safety
- FO with loop: Slitted head makes quick and easy fastening possible

Technical data

	ETIM 5.0 Class-ID: EC000046 ETIM 5.0 Class-Description: Cable tie
RAL	Colour delivered Black
	Material Polyamide Halogen-free and silicone-free
	Temperature range -20°C to +93°C (FO)/ 104°C (FOL)

Article number	Article description	UL certification	Length x width (mm)	Pieces / PU
FO with loop: Slitted head makes quick and easy fastening possible				
61823720	FO 200-40-0	no	228.0 x 12.7	10
61823730	FO 350-40-0	no	330.0 x 12.7	10
FOL with strap: Strap made of high-quality polymer provides additional stability and safety				
61823740	FOL 300-50-0	no	304.0 x 19.0	10
61823750	FOL 500-50-0	no	457.0 x 19.0	10

TY-GRIP® is a registered trademark of ABB

Photographs are not to scale and do not represent detailed images of the respective products.

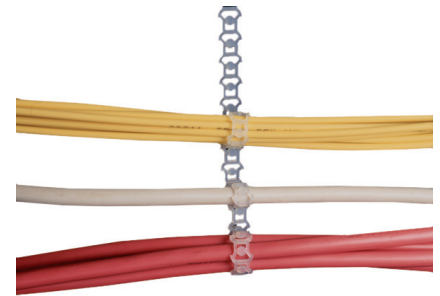


Mille-Tie™ cable ties



Info

- Environmentally friendly



Benefits

- Could be reused again
- Adjusts and controls the tension automatically by means of a self-regulating mechanism
- Fast assembly as binder can be mounted in any direction
- No sharp edges, avoids injuries
- No cable damage and crushing due to the elasticity of the tie

Application range

- For high-quality and complex cable management systems
- For bundling of sensitive cables as fiber optic cables and network cables

Design

- One size for all applications

Technical data

	ETIM 5.0 Class-ID: EC000046 ETIM 5.0 Class-Description: Cable tie
	Material TPE
	Temperature range -20°C to +80°C

Article number	Article description	Colour	UL certification	Length (mm)	Pieces / PU
Mille-Tie™ cable ties					
61710200	MT-00	black	no	305	100
61710201	MT-01	red	no	305	100
61710202	MT-02	blue	no	305	100
61710203	MT-03	yellow	no	305	100
61710204	MT-04	green	no	305	100
61710205	MT-05	natural	no	305	100
61710206	MT-06	grey	no	305	100

Photographs are not to scale and do not represent detailed images of the respective products.



LS steel cable ties



Info

- LS 4,6-100 contained in FLEXIMARK® sample bag (article number M3251010)

Benefits

- Acid-resistant
- Minimum space required due to the flat binder heads
- Cable ties are self-locking, time-consuming folding and crimping is not longer required
- Steel ball at the end of the tie makes it easy to thread it in
- If pulled in the opposite direction to re-open or loosen the tie, the ball is locked at the end of the tie and re-opening is impossible

Application range

- Outdoor applications and usage under extreme conditions, e.g. high corrosion risk
- For fixing NM FLEXIMARK® stainless steel labelling character holders (width: 7,9 mm)
- Could be used in any industry with a demanding environment (e.g. oil & gas, railways)

Norm references / Approvals

- DNV 2397
- UL File number: E193947
- Tested according to IEC 62275: 2006
- Achilles JQS certified

Suitable tools

- STEEL GUN HT-338 cable tie pliers refer to page 1068

Technical data



ETIM 5.0 Class-ID: EC000046
ETIM 5.0 Class-Description: Cable tie



General

Maximum tensile strength:
4,6 mm= 445 N
7,9 mm= 1112 N



On request

Other sizes are available upon request



Material

Acid resistant stainless steel
EN 1.4404 (SS2348, AISI 316L)
Material thickness: 0,26 mm



Temperature range

-80 °C to +500 °C

Article number	Article description	Length x width (mm)	Bundling Ø (mm)	Minimum tensile strength (N/mm²)	Pieces / PU
Without polyester coating					
61812947	LS 4,6 - 100	100.0 x 4,6	21.0	45.3	100
61812948	LS 4,6 - 125	125.0 x 4,6	32.0	45.3	100
61812949	LS 4,6 - 150	150.0 x 4,6	40.0	45.3	100
61812950	LS 4,6 - 200	200.0 x 4,6	51.0	45.3	100
61812960	LS 4,6 - 360	360.0 x 4,6	102.0	45.3	100
61812970	LS 4,6 - 520	520.0 x 4,6	152.0	45.3	100
61812980	LS 4,6 - 680	680.0 x 4,6	203.0	45.3	100
61812990	LS 4,6 - 840	840.0 x 4,6	254.0	45.3	100
61813000	LS 7,9 - 200	200.0 x 7,9	51.0	113.3	100
61813010	LS 7,9 - 360	360.0 x 7,9	102.0	113.3	100
61813020	LS 7,9 - 520	520.0 x 7,9	152.0	113.3	100
61813030	LS 7,9 - 680	680.0 x 7,9	203.0	113.3	100
61813040	LS 7,9 - 840	840.0 x 7,9	254.0	113.3	100
61813050	LS 7,9 - 1010	1,016.0 x 7,9	305.0	113.3	100
With polyester coating					
61813085	LSC 4,6-100	100.0 x 4,6	21.0	45.3	100
61813086	LSC 4,6-125	125.0 x 4,6	32.0	45.3	100
61813088	LSC 4,6-200	200.0 x 4,6	51.0	45.3	100
61813089	LSC 4,6-360	360.0 x 4,6	102.0	45.3	100
61813093	LSC 7,9-200	200.0 x 7,9	51.0	113.3	100
61813094	LSC 7,9-360	360.0 x 7,9	102.0	113.3	100
61813096	LSC 7,9-520	520.0 x 4,6	152.0	113.3	100

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- FLEXIMARK® Stainless steel marking FCC refer to page 944
- FLEXIMARK® Stainless steel kit refer to page 956
- STEEL GUN HT-338 cable tie pliers refer to page 1068



TY-GUN ERG 50 / TY-GUN ERG 120 cable tie pliers



Benefits

- Tip can be rotated 360° for easy assembly
- Adjustable tension-setting and automatic cutting mechanism
- Large feed-opening (25,4 mm width) facilitates inserting of the cable ties
- Ergonomic design (rounded design) and user-friendliness
- Reduced user stress and strain

Application range

- Cable tie gun for plastic cable ties
- Allows quick and economical binding, fixing and mounting of plastic cable ties
- Increased service life due to the optimal tension setting for each cable tie
- Waste prevention on the floor- cable tie rests were prevented from falling down

Product features

- Adjustable grip diameter enables adaption to the hand size of the user
- Anti-recoil mechanism prevents shaking
- Easy and practical storage of the replacement blades inside the tool (one replacement blade is included inside the tool- reordering with article no. 62120121 or 62120126)
- Lightweight
- Nose made of stainless steel guarantees a longer lifetime of the tool

Note

- ERG 50 available as pneumatic version on request

Design

- Interchangeable head for the other cable tie width is available as a component

Technical data



ETIM 5.0 Class-ID: EC000453
ETIM 5.0 Class-Description:
Cable tie tool



Caution

Tension is manually adjustable



Note

Length x width x height:
178x127x38 mm

ERG 50: 65-83 N for setting 1,
175-220 N for setting 8

ERG 120: 175-250 N for setting 1,
450-580 N for setting 8



Colour delivered

ERG 50: Black head
ERG 120: Orange head



Material

Shock-resistant polymer
Soft rubber grip

Article number	Article description	For cable ties	Cable tie width (mm)	Weight (kg)	Pieces / PU
Mounting pistol TY-GUN ERG 50					
62120120	Mounting pistol TY-GUN ERG 50	Plastic	2.4 - 4.8	0.26	1
TY-GUN ERG 120					
62120125	Mounting pistol TY-GUN ERG 120	Plastic	4.8 - 7.6	0.278	1
62120126	TY-GUN ERG 120B spare blades	Plastic	4.8 - 7.6		1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Detectable Cable ties refer to page 1059

BASIC cable tie pliers



Benefits

- The tightening force can be adapted gradually
- Low-cost starter product

Application range

- Cable tie gun for plastic cable ties
- For tightening and cutting cable ties

Technical data



ETIM 5.0 Class-ID: EC000453
ETIM 5.0 Class-Description:
Cable tie tool

Article number	Article description	For cable ties	Cable tie width (mm)	D x V mm	Weight (kg)	PU
BASIC cable tie pliers						
62120321	BASIC - cable tie pliers	Plastic	2.2 - 4.8	160 x 130	0.31	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Detectable Cable ties refer to page 1059
- TY - FAST® cable ties refer to page 1058

STEEL GUN HT-338 cable tie pliers



Benefits

- Handy processing tool for stainless steel ties (up to 0,3 mm thick)
- Cable tie is automatically cut at its end once the required tension is achieved
- Sharp edges are avoided
- Stripping force can be adjusted in increments

Application range

- For stainless steel cable ties

Note

- Guaranteed up to 2.000 pulls
- Further spare parts are available
- Use the adjusting screw to receive a clean cut - the right tension is depending on the type of cable used

Technical data



ETIM 5.0 Class-ID: EC001288
ETIM 5.0 Class-Description:
Labelling material

Article number	Article description	For cable ties	Max. cable tie width (mm)	D x V mm	Weight (kg)	Pieces / PU
FLEXIMARK® STEEL-GUN HT 338 Kabelbinderzange						
83250022	FLEXIMARK® HT-338	Stainless steel	7.9	178 x 140	0.56	1
83250023	FLEXIMARK® Spare Part HT-338				0.018	1

Photographs are not to scale and do not represent detailed images of the respective products.

Plug socket

Benefits

- The plug-in socket has an opening for cable-tie width up to 4,5 mm, and is due to the flat plug nose flexible for diverse applications

Application range

- Push button mounts for cable ties
- The button is positioned for pressfitting in the panel for suitable thickness following drilling. The tie is inserted in the slot of the button body.
- The quick and safe mounting method makes these plug-in sockets ideal for applications in control cabinet manufacture, household appliances, motor vehicles and office equipment

Technical data

	Material Polyamide 6.6
	Temperature range -40 °C to +80 °C

Note

- Recommended minimum working temperature due to the adhesive layer: +10 °C

Design

- For cable ties: 2.8 / 4.8 mm



Article number	Article description	Colour	For wall thickness up to (mm)	Diameter (mm)	Tie width (mm)	Weight (g/ 100 pieces)	Pieces / PU
Plug socket							
61724001	Plug socket 10 x 66 NA	natural	3.2	6.4 (M6)	4.5	25.2	100
61724002	Plug socket 10 x 66 BK	black	3.2	6.4 (M6)	4.5	25.2	100

Photographs are not to scale and do not represent detailed images of the respective products.



Tie socket self-adhesive

Benefits

- Bi-directional nylon square bases with dual-adhesive
- Option for cross-mounting / double-mounting on the crossover points of the cable harness
- Self-adhesive
- Easy to handle
- Lower space requirement

Application range

- Fastening elements for cable ties
- The cable ties are slotted through the eyelets for fixing cables or other items to the wall.
- Areas of application: Wiring of switch cabinets, motor vehicles and office machines, etc.

Product features

- Minimum adhesive application time: 10 sec, recommended adhesive curing time: 24 h

Norm references / Approvals

- Self-extinguishing in accordance with UL 94 V-2 (without adhesive tape)

Note

- Walls must be smooth and grease-free.

Technical data

	On request Further types and sizes of sockets of ABB available upon request.
	Colour delivered Black Natural colour
	Material Polyamide 6.6 Halogen-free and silicone-free
	Temperature range -15 °C to +50 °C Minimum working temperature: +10 °C

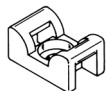
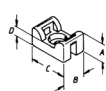


Article number	Article description	Colour	For wall thickness up to (mm)	Diameter (mm)	Tie width (mm)	Length x width (mm)	Weight (g/ 100 pieces)	Pieces / PU
Tie socket self-adhesive								
61718612	Adhesive socket 19 x 19 NA	natural	4.7	4.8	4	19.0 x 19.0	52	100
61718611	Adhesive socket 19 x 19 BK	black	4.7	4.8	4	19.0 x 19.0	52	100
61718614	Adhesive socket 27 x 27 NA	natural	4.7	4.8	4.5	27.0 x 27.0	136	100
61718613	Adhesive socket 27 x 27 BK	black	4.7	4.8	4.5	27.0 x 27.0	136	100

Photographs are not to scale and do not represent detailed images of the respective products.



Mounting socket with saddle



TC 142

TC 141

mm	A	B	C	D
TC 140	7,0	8,7	14,2	3,6
TC 141	8,2	11,1	17,0	4,0
TC 142	11,0	14,2	23,4	5,2

Benefits

- Compact construction ensures high stability
- Prism-shaped saddle of this mounting socket enables torsion-safe fastening and bundling of cables

Application range

- Fastening elements for cable ties
- For fastening with screws or rivets
- Typical areas of application: Process control systems, control cabinet manufacturing and mechanical engineering

Norm references / Approvals

- UL 94 V-2

Included

- Without screws, rivets, etc.

Technical data

	ETIM 5.0 Class-ID: EC000449 ETIM 5.0 Class-Description: Mounting base and -element for cable ties
	Colour delivered White
	Material Polyamide 6.6 Halogen-free and silicone-free
	Temperature range -40°C to +85°C

Article number	Article description	Fastening type	Material	Diameter (mm)	Tie width (mm)	Weight (g/100 pieces)	Pieces / PU
Mounting socket with saddle							
61724920	TC 140	screwing	PA 6.6	2.8	2.4	47	500
61724510	TC 141	screwing	PA 6.6	3.5	4.8	77	500
61724910	TC 142	screwing	PA 6.6	5.2	7.6	120	500

This is a product of the company ABB/Thomas & Betts.

Photographs are not to scale and do not represent detailed images of the respective products.



Tie small socket



TC 104

TC 102

TC 804

mm	A	B	C
TC 102	3,2	13,0	19,0
TC 104	2,5	8,0	10,0
TC 804	2,5	8,0	10,0

Benefits

- Particular small and low design
- Easy to handle

Application range

- Fastening elements for cable ties
- Fastening with counter-sunk screws or rivets
- Typical areas of application: Control cabinet manufacture, motor vehicles, office machines

Norm references / Approvals

- File number: E49405
- UL 94 V-2

Included

- Without screws, rivets, etc.

Technical data

	ETIM 5.0 Class-ID: EC000449 ETIM 5.0 Class-Description: Mounting base and -element for cable ties
	Colour delivered Natural colour
	Material Polyamide 6.6 Halogen-free and silicone-free
	Temperature range -40°C to +85°C

Article number	Article description	Fastening type	Material	Diameter (mm)	Tie width (mm)	Weight (g/100 pieces)	Pieces / PU
Tie small socket							
61724400	TC 102	screwing	PA 6.6	4,4	4.8	50	1000
61724420	TC 104	screwing	PA 6.6	3,4	2.4	11	1000
61724720	TC 804	screwing	PA 6.6	2,4	2.4	11	250

This is a product of the company ABB/Thomas & Betts.

Photographs are not to scale and do not represent detailed images of the respective products.



Tie screw socket

Benefits

- Low overall height
- Possibility for cross mounting

Application range

- Fastening elements for cable ties
- For fastening with screws or rivets
- Typical areas of application: Control cabinet manufacture, motor vehicles, office machines

Norm references / Approvals

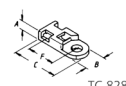
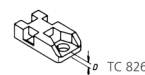
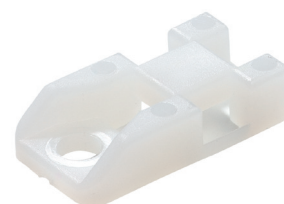
- File number: E49405
- UL 94 V-2

Included

- Delivered without screws

Technical data

	ETIM 5.0 Class-ID: EC000449 ETIM 5.0 Class-Description: Mounting base and -element for cable ties
	Colour delivered Natural colour
	Material Polyamide 6.6 Halogen-free and silicone-free
	Temperature range -40°C to +85°C



mm	A	B	C	D	F
TC 826	5,7	13,0	24,0	2,0	12,3
TC 828	3,8	10,0	23,0	1,0	13,5

Article number	Article description	Fastening type	Material	Diameter (mm)	Tie width (mm)	Weight (g/ 100 pieces)	Pieces / PU
Tie screw socket							
61724810	TC 826	screwing	PA 6.6	4.2	4.8	197	1000
61724820	TC 828	screwing	PA 6.6	4.2	4.8	40	1000

This is a product of the company ABB/Thomas & Betts.
Photographs are not to scale and do not represent detailed images of the respective products.



Aluminium screw socket

Benefits

- Excellent in matching contours
- Low height and low weight
- Heat-resistant
- Non-aging

Application range

- Fastening elements for cable ties

Included

- Delivered without screws

Technical data

	ETIM 5.0 Class-ID: EC000449 ETIM 5.0 Class-Description: Mounting base and -element for cable ties
	Material Aluminium (3003, ASTM-B-209)
	Temperature range -100°C to +450°C



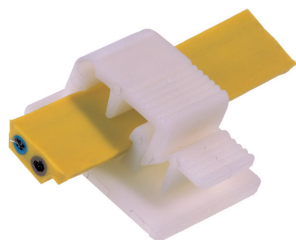
mm	A	B	C	E	F
TC 105	5,0	13,0	25,0	5,0	0,8

Article number	Article description	Fastening type	Material	Tie width (mm)	Weight (g/ 100 pieces)	Pieces / PU
Aluminium screw socket						
61724430	TC 105	screwing	aluminium	4.8	67	1000

This is a product of the company ABB/Thomas & Betts.
Photographs are not to scale and do not represent detailed images of the respective products.



AS-I clip clamp / AS-I end sealing



Benefits

- AS-i clip clamp: Conical shape of the receptacle in the socket ensures that the cable is firmly secured, releasable closure
- AS-I end seal:
 - Easy to assemble
 - Can be used on both sides
 - Compact dimensions save space
 - Cost-effective method of sealing AS-Interface cables
- The high-grade acrylate adhesive allows quick mounting and the socket can be immediately stressed, can also be secured using a screw

Application range

- Fastening elements for cables and conductors
- For use with UNITRONIC® AS-Interface bus cables

Product features

- LABS-free

Suitable cables

- UNITRONIC® BUS ASI Page 325

Technical data

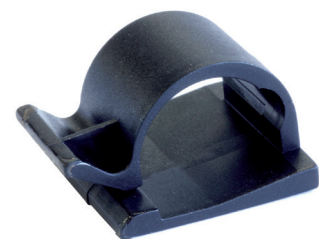
	ETIM 5.0 Class-ID: EC001604 ETIM 5.0 Class-Description: Fieldbus, decentr. periphery - communication module
	Note Adhesive: acrylic with lining made of PUR foam
	Material AS-i clip clamp: Polyamid 6.6 - halogen-free AS-I end seal: TPE (colour: black)
	Temperature range AS-i clip clamp: -40 °C to +80 °C AS-I end seal: -40 °C to +110 °C

Article number	Article description	Colour	Diameter (mm)	Length x width (mm)	Adhesive tape thickness (mm)	Height (mm)	Pieces / PU
AS-I clip clamp							
61825000	AS-I clip clamp	white	3.3	25.0 x 20.0	0.8	11.70	500
AS-I end sealing							
22260047	AB-ASI-PC-BK	black		20.0 x 4.7		11.00	100

Photographs are not to scale and do not represent detailed images of the respective products.



CC cord clips



Benefits

- The special support is designed for the quick insertion and removal of one or more cables without compromising the cable insulation
- Special mounting preparations are no longer necessary
- Easy to handle
- Self-adhesive

Application range

- Fastening elements for cables and conductors
- Nylon dual-adhesive clips
- Excellent for laying several cables in parallel
- Suitable for cables up to an outer diameter of 15 mm

Norm references / Approvals

- Self-extinguishing in accordance with UL 94 V-2 (without adhesive tape)

Technical data

	ETIM 5.0 Class-ID: EC000127 ETIM 5.0 Class-Description: Fixing clip
	General Self-adhesive on many surfaces
	On request Upon request: Black colour
	Colour delivered Natural colour
	Material Polyamide 6.6 Halogen-free
	Temperature range -40 °C to +80 °C

Article number	Article description	Max. bundle Ø (mm)	Socket area x height (mm)	Pieces / PU
CC cord clips				
61723810	CC 5	5	19 / 19 x 10	100
61723820	CC 11	10	26 / 26 x 13	100
61723840	CC 21	15	26 / 26 x 17	100

Photographs are not to scale and do not represent detailed images of the respective products.

Cable trolley system for round and flat cables



Info

- Our configuration tool on our homepage (Knowledge center-cable accessories) supports you in choosing the correct cable trolley system
- 3D drawings available

Benefits

- The guiding rollers have ball bearings and guarantee easy, smooth running in the C-profile rails.
- The cables in the clamping devices are clamped gently, and an appropriately shaped pressing piece prevents sharp bends at the clamping point.

Application range

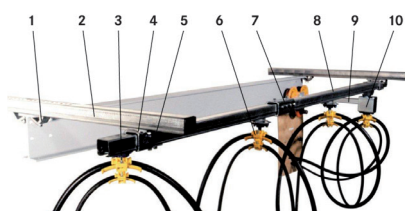
- Crane and conveying machinery
- For hoisting equipment and conveyor systems
- Mechanical engineering
- Nut suitable for applications for Ex-Areas

Product features

- Certain components (such as the cable trailer) made of galvanised steel
- Dustproof ball bearing (wheels)
- Cable clamp and protection plate made of polyamide

Product Make-up

- Complete system consisting of the following components:
- 1. Clamps (steel girder)
- 2. Extension arm
- 3. End clamp
- 4. Rail bracket
- 5. Stopper



6. Cable trailer
7. Track coupler
8. C-profile rail
9. Towing arm
10. Towing trolley

Note

- Round- and flat cables are not allowed to combine a sight below and above
- Don't assemble more than three clamps for round cables below each other
- Bending radius on the bracket corresponds to a fixed installation

Product Make-up

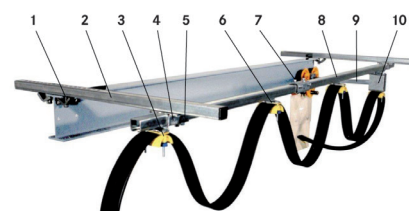
- The delivery length of the C-profile rail is 6 m.
- The rail opening is 11 mm
- The installation of a system depends on various criteria, e.g. maximum cable slack (cable weight) and working length.

Suitable conduits

- Even air-pressure lines can be installed

Suitable cables

- See selection tabel A 3-2, flat cables up to a width of 54 mm, round cables up to an outer diameter of 36 mm



Technical data



ETIM 5.0 Class-ID: EC000896
ETIM 5.0 Class-Description: Ceiling bracket for cable support system



General

Max. cable load: 20 kg



On request

Further systems (e.g. stainless steel version, C40 system or steel wire system) are available upon request



Temperature range

-40°C to +160°C

Article number	Article designation	Pieces / PU
Cable trailer system for flat cables		
62200420	Towing trolley, flat	1
62200421	Cable trailer, flat	1
62200422	End clamp, flat	1
Cable trailer system for round cables		
62200434	Cable trailer, round	1
62200435	Towing trolley, round	1
62200436	End clamp, round	1
62200437	Cable clamp, round, 1-16 mm	1
62200438	Cable clamp for cable 17-25 mm	1
62200439	Cable clamp, round, 26-36 mm	1
Components for both systems		
62200423	Rail bracket, vertical	1
62200425	Stopper	1
62200424	Track coupler	1
62200427	Rail bracket with flexible fastening	1
62200428	Rail bracket for ceiling mounting	1
62200429	Rail bracket for wall mounting	1
62200460	Wall bracket 11-725	1
62200430	Towing arm, 400 mm	1
62200431	Towing arm, 630 mm	1
62200432	Extension arm, 800 mm	1
62200433	Steel girder clamp	1
Fastening options:		
62200426	Rail curve: 90°	1
62200440	C-profile rail, 6 m	1

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The complete system is also available in stainless steel.

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

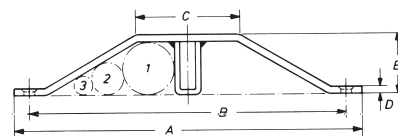
- SILVYN® CHAIN cable protection and guiding systems

Accessories

- SKINDICHT® SVFK



ST steel cable tunnel



Benefits

- A central strength element strengthens and stiffens the design
- Point loads are thus distributed onto the floor
- The ST cable tunnel offers additional advantages in the area of building safety as it is flame-retardant and halogen-free.

Application range

- Protects cables laid on the ground against mechanical influences
- Can be fixed onto the floor by using countersunk screws

Product Make-up

- ST 1: A = 250, B = 230, C = 70, D = 5, E = 45
- Material thickness: 5 mm
- ST 2: A = 200, B = 182, C = 60, D = 4, E = 34,
- ST 3: A = 150, B = 134, C = 60, D = 4, E = 24, hole diameter = 6.6 mm

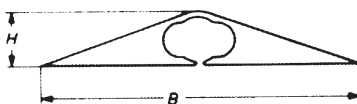
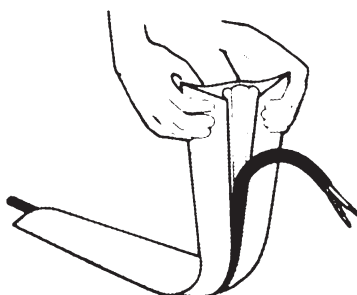
Technical data

	ETIM 5.0 Class-ID: EC000047
	ETIM 5.0 Class-Description: Cable tray/wide span cable tray
	Note
	Max. loading capacity: 7 t
	Material
	Steel, galvanized
	Fireproof

Article number	Article description	Length (mm)	Ø combinations (mm)	Weight (kg/piece)	Pieces / PU
ST steel cable tunnel					
61717000	ST 1	1000	36/25/15 or 40/24	14	1
61717040	ST 2	1000	25/20 or 30/18	9	1
61717070	ST 3	1000	17/14 or 20/13	7	1

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STY plastic cable tunnel



Technical data

	ETIM 5.0 Class-ID: EC000047
	ETIM 5.0 Class-Description: Cable tray/wide span cable tray
	Colour delivered
	Grey
	Material
	PVC

Benefits

- High flexibility of the material enables easy installation of cables
- Cutting to size is possible up to 10 m
- ROHS compliant

Application range

- Reliable anti-tripping guard used to cover cables that are laid on the ground

Product Make-up

- STY5: (W)idth = 48 mm, (H)eight = 8 mm
- STY9: (W)idth = 69 mm, (H)eight = 12 mm
- STY12: (W)idth = 87 mm, (H)eight = 15 mm

Article number	Article description	Width x height (mm)	Number of cables x outer Ø	PU (m)
STY plastic cable tunnel				
61746870	STY 5	48 x 8	1 x 5 - 2 x 4	10
61746880	STY 9	69 x 12	1 x 9 - 2 x 7	10
61746890	STY 12	87 x 15	1 x 12 - 2 x 9	10

Photographs are not to scale and do not represent detailed images of the respective products.

RKK 01-06 round cable wedge clamps

Benefits

- The wedged clamps hold the cable without damaging it and without restricting the necessary movement of the cable.
- Other cable combinations are possible

Application range

- The wedged clamps can be used to secure round control cables.

Product Make-up

- Round cable wedged clamps

Technical data



ETIM 5.0 Class-ID: EC000536
ETIM 5.0 Class-Description: Cable bracket



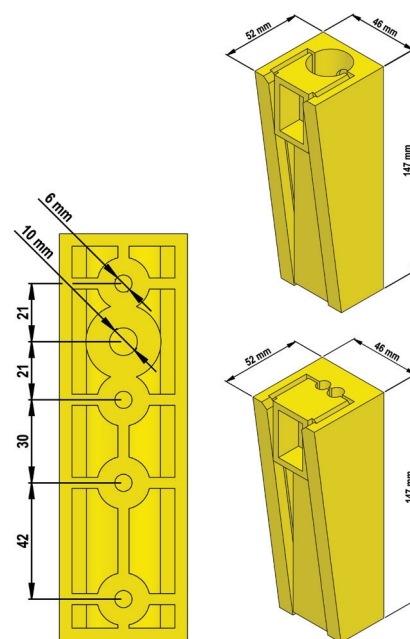
Note
Clamping force: 343N



Material
Polyamide 6.6



Temperature range
-20°C to +50°C



Accessories

- Installation sheets MP 11/13/12/14/18/28/21/22

Article number	Article designation	Number of cables	For cable outer Ø (mm)	Weight (g)	Pieces / PU
RKK 01-06 round cable wedge clamps					
52026020	RKK 01	2	8.0-11.0 and 7.0-10.0	200	1
52026024	RKK 02	1	18.0-21.5	180	1
52026028	RKK 04	1	24.5-26.0	150	1
52026030	RKK 05	1	19.0-24.0	150	1
52026022	RKK 06	1	11.5-14.0	190	1

Photographs are not to scale and do not represent detailed images of the respective products.

FKK 08 Flat cable wedge clamp, small

Benefits

- On the shaft side, the mounting plate can be screwed onto the wall or bolted or welded to the rail bracket.
- The mounting plate can be bolted or welded to the lift cage.

Application range

- Flat cable wedge clamps are suitable for securing flat control cables.

Product Make-up

- Maximum cable thickness: 10 mm
- The small wedge-shaped cable clamp can hold up to two flat cables.

Suitable cables

- ÖLFLEX® LIFT F Page 172

Technical data



ETIM 5.0 Class-ID: EC002407
ETIM 5.0 Class-Description: Accessories for installation rail current/data cable



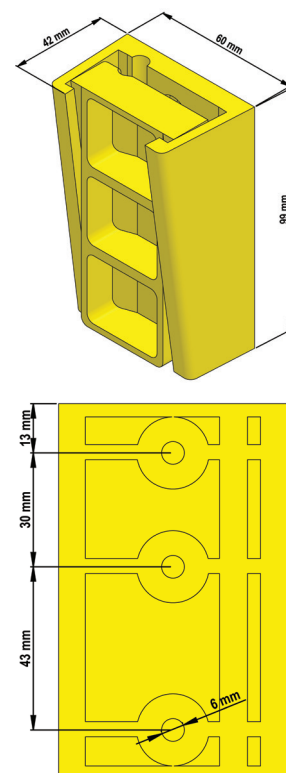
Info
Clamping force: at overall cable thickness 2-10 mm = 600-800 N
Minimum insert depth for wedge: 60 % = 60 mm



Material
Polyamide 6.6 - halogen-free



Temperature range
Operating temperature: -20°C to +50°C



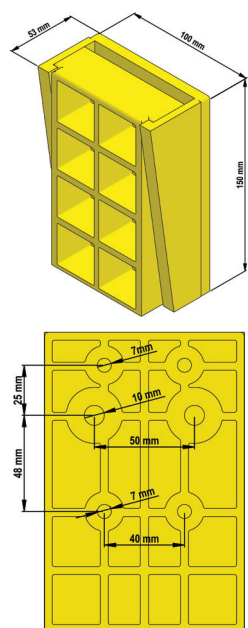
Accessories

- Installation sheets MP 11/13/12/14/18/28/21/22

Article number	Article designation	Number of cables	Max. total cable length (mm)	Weight (g)	Pieces / PU
FKK 08 Flat cable wedge clamp, small					
52026051	FKK 08	1-2	50 x 10	105	1

Photographs are not to scale and do not represent detailed images of the respective products.

FKK 07 cable wedge clamp, large



Application range

- Flat cable wedge clamps are suitable for securing flat control cables.

Product Make-up

- Maximum cable thickness: 17 mm
- The large wedge-shaped cable clamp can hold up to three flat cables.

Suitable cables

- ÖLFLEX® LIFT F Page 172

Technical data



ETIM 5.0 Class-ID: EC002407
ETIM 5.0 Class-Description:
Accessories for installation rail
current/data cable



Info
Clamping force: at overall cable thickness 2-9 mm and 16-17 mm = 800 N
Minimum insert depth for wedge:
60 % = 90 mm



Material
Polyamide 6.6 - halogen-free



Temperature range
Operating temperature: -20°C to +50°C

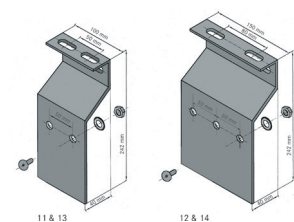
Accessories

- Installation sheets MP 11/13/12/14/18/28/21/22

Article number	Article designation	Number of cables	Max. total cable length (mm)	Weight (g)	Pieces / PU
FKK 07 cable wedge clamp, large					
52026050	FKK 07	1-3	90x17	345	1

Photographs are not to scale and do not represent detailed images of the respective products.

MP 11/13/12/14 installation sheets



Application range

- Installation sheets
- Installation sheet for all-round and large flat cable wedges (primed)

Included

- 2 or 3 hexagonal nuts
- 2 or 3 countersunk screws
- 2 or 3 serrated lock washers
- 1 mounting plate

Technical data



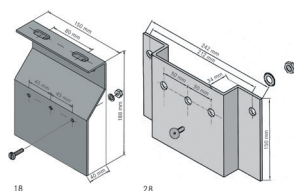
ETIM 5.0 Class-ID: EC002407
ETIM 5.0 Class-Description:
Accessories for installation rail
current/data cable

Article number	Article designation	Number of terminals and types	Pieces / PU
MP 11/13/12/14 installation sheets			
52026031	MP 11	1-2 RKK (01-06)	1
52026032	MP 13	1-2 RKK (01-06) or 1 FKK (07)	1
52026033	MP 12	1-3 RKK (01-06)	1
52026034	MP 14	1-3 RKK (01-06) or 1 FKK (07) and 1 RKK (01-06)	1

RKK = round cable wedge clamp; FKK = flat cable wedge clamp

Photographs are not to scale and do not represent detailed images of the respective products.

MP 18/28 installation sheets



Application range

- Installation sheets
- Installation sheet for small flat cable wedges (zinc-plated)

Included

- 2 or 3 hexagonal nuts
- 2 or 3 countersunk screws
- 2 or 3 serrated lock washers
- 1 mounting plate

Technical data



ETIM 5.0 Class-ID: EC002407
ETIM 5.0 Class-Description:
Accessories for installation rail
current/data cable

Article number	Article designation	Number of terminals and types	Pieces / PU
MP 18/28 installation sheets			
52026060	MP 18	1-2 FKK (08)	1
52026061	MP 28	1-2 FKK (08)	1

FKK = flat cable wedge clamp

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MP 21/22 installation sheets

Application range

- Installation sheets
- Installation sheet for all-round and large flat cable wedges (zinc-plated)

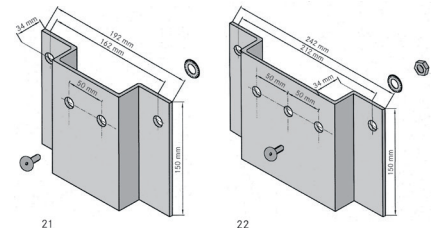
Included

- 2 or 3 hexagonal nuts
- 2 or 3 serrated lock washers
- 2 or 3 countersunk screws
- 1 mounting plate

Technical data



ETIM 5.0 Class-ID: EC002407
ETIM 5.0 Class-Description:
Accessories for installation rail
current/data cable



Article number	Article designation	Number of terminals and types	Pieces / PU
MP 21/22 installation sheets			
52026062	MKK 21	1 FKK (07) or 2 RKK (01-06)	1
52026063	MKK 22	1 FKK (07) + 1 RKK (01-06) or 3 RKK (01-06)	1

RKK = round cable wedge clamp; FKK = flat cable wedge clamp

Photographs are not to scale and do not represent detailed images of the respective products.

EKK single clamp / DKK double clamp



EKK single clamp



DKK double clamp

Benefits

- Secure protection without restricting the mobility of the cable cores
- Wide clamping range

Application range

- Simple and reliable mounting clamps for lift control cables

Note

- Installation guidelines for ÖLFLEX® -LIFT RH and RS lift control cables can be found in the appendix T5
- Maximum load for each clamp: 800 N (80 kg)
- Only for vertical assembly

Included

- Impact anchor, screws and safety discs are supplied as installation accessories

Technical data



ETIM 5.0 Class-ID: EC000127
ETIM 5.0 Class-Description: Fixing clip



Temperature range

high mechanical load: +65 °C
low mechanical load: +100 °C

Article number	Article designation	For cable Ø (mm)	Length x width x height (mm)	Weight (kg/piece)	Pieces / PU
Single clamp					
52026000	EKK 18	15-18	125 x 45 x 120	1.4	1
52026011	EKK 26	19-26	125 x 45 x 120	1.4	1
DKK					
52026010	DKK 18	15-18	125 x 85 x 120	1.9	1
52026012	DKK 26	19-26	125 x 85 x 120	1.9	1

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Kraftform® adjustable torque screwdriver/Kraftform Kompakt® Set



Benefits

- Mounting tool for EPIC® connector systems, SKINTOP® CUBE and sensor-actuator cables
- Fatigue-free due to ergonomic grip design
- Simple, free assembly in any position
- Safety close at hand
- Quick and easy change of tools due to quick-change chuck

Application range

- Prevents misjudgements of the user which often lead to significantly higher extracting values. The consequences are ripped-off screw heads and over-twisted screw threads.

Included

- Article number 61813958: Kraftform® torque screwdriver for 0.3 - 1.2 Nm
- Article number 61813990: Kraftform Kompakt®
 - 10-piece screwdriver set
 - Bits: 1xR, 1xTZ, 1xTZ PH, 1xTZ PZ, 1xTZ TORX®
 - 1x hand screwdriver without torque system
- Traceable calibration certificate contained in the scope of delivery

Technical data

	ETIM 5.0 Class-ID: EC002132 ETIM 5.0 Class-Description: Momentum wrench
	Caution Can be used in areas requiring ESD protection ESD version in acc. with EN 100-015 Part 1
	General Philips screwdriver PH (Phillips recess)
	Certifications Robust industrial design with excellent accuracy in accordance with ISO 6789/EN 26789
	Info Controlled torque of 0.3-1.2 Nm is possible
	Colour delivered Black

Article number	Article designation	Measuring range	Length (mm)	Pieces / PU
Kraftform® adjustable torque screwdriver/Kraftform Kompakt® Set				
61813958	Kraftform® torque screwdriver	0.3 - 1.2	180	1
61813990	Kraftform Kompakt® 10			1

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