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Tools and cable accessories

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KNIPEX Diagonal cutter



Info

- Narrow head style for use in confined areas



KNIPEX X-Cut® Compact diagonal cutter



Info

- Less force required due to Optimum co-ordination of the cutting edge angle



KNIPEX High leverage diagonal cutter



Info

- High cutting performance with minimum effort



Benefits

- High ergonomics thanks to multi-component handles
- Insulated handles allow working under voltage up to 1000V

Application range

KNIPEX Diagonal cutter

- For soft and hard wire

KNIPEX X-Cut® Compact diagonal cutter

- For both thicker cables as well as for fine copper wires

KNIPEX High leverage diagonal cutter

- For all sorts of wire including piano wire

Product features

- Precision ground, hardened blades

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000142 ETIM 5.0/6.0 Class-Description: Cable shears
	Certifications Insulated according to IEC 60900, applicable up to 1000V AC / 1500V DC VDE-tested
	Material Vanadium steel, forged, multi stage oil-hardened

Article number	Article designation	Soft wire (mm)	Medium hard wire (mm)	Hard wire (mm)	Pianowire (mm)	Cable diameter (mm)	Weight (kg)	Length (mm)
KNIPEX Diagonal cutter								
62120520	Diagonal cutter SESI 16	4	3	2			0.216	160
KNIPEX X-Cut® Compact diagonal cutter								
62120521	X-Cut® Compact diagonal cutter SXSI 16	4.8	3.8	2.7	2.2	12	0.175	160
KNIPEX High leverage diagonal cutter								
62120522	High leverage diagonal cutter KSSI 18		3.8	2.7	2.2		0.28	180

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

KNIPEX Cable shear



Benefits

- Special two-blade structure divides the cutting process into pre-cut and post-cut
- Easy and clean cut by using only one hand
- High ergonomics thanks to multi-component handles
- Insulated handles allow working under voltage up to 1000V

Application range

- Cuts copper and aluminium cables

Product features

- Precision ground, hardened blades

 Info

- Less power required due to favourable transmission ratio and new blade geometry

Technical data

**Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000142
ETIM 5.0/6.0 Class-Description: Cable shears

**Certifications**
Insulated according to IEC 60900, applicable up to 1000V AC / 1500V DC VDE-tested

**Material**
High-grade special tool steel, forged, chrome plated

Article number	Article designation	Cable diameter (mm)	Weight (kg)	Length (mm)
KNIPEX Cable shear				
62120523	Cable shear KASI 20	20	0.34	200

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

KNIPEX Ratchet cutter



Benefits

- One-hand operation through ratchet principle
- High ergonomics thanks to multi-component handles
- Insulated handles allow working under voltage up to 1000V

Product features

- Precision ground, hardened blades
- Swivel knife can be unlocked in any cutting position with a press of the thumb

Application range

- Cuts copper and aluminium cables
- Not suitable for steel wire and wire ropes

 Info

- Less power required due to very high transmission ratio

Technical data

**Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000142
ETIM 5.0/6.0 Class-Description: Cable shears

**Certifications**
Insulated according to IEC 60900, applicable up to 1000V AC / 1500V DC VDE-tested

**Material**
High-grade special tool steel, forged, oil-hardened

Article number	Article designation	Cable diameter (mm)	Weight (kg)	Length (mm)
KNIPEX Ratchet cutter				
62120524	Ratchet shear KSRI 525	32	0.652	250
62120525	Ratchet shear KSRI 628	52	0.835	280

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

KNIPEX High leverage combination plier



Info

- 35 % less effort required than with conventional combination pliers



KNIPEX Flat nose pliers



Info

- With knurled gripping surfaces



KNIPEX Snipe nose side cutting pliers



Info

- With cutting edges



Technical data



Classification ETIM 5/6
KNIPEX High leverage combination plier
ETIM 5.0/6.0 Class-ID: EC000836
ETIM 5.0/6.0 Class-Description: Combination pliers
KNIPEX Flat nose pliers
ETIM 5.0/6.0 Class-ID: EC000833
ETIM 5.0/6.0 Class-Description: Flat nose pliers
KNIPEX Snipe nose side cutting pliers
ETIM 5.0/6.0 Class-ID: EC000833
ETIM 5.0/6.0 Class-Description: Flat nose pliers



Certifications
Insulated according to IEC 60900, applicable up to 1000V AC / 1500V DC VDE-tested



Material
KNIPEX High leverage combination plier
High-grade special tool steel, forged, multi stage oil-hardened
KNIPEX Flat nose pliers
Vanadium electric steel, forged, oil-hardened
KNIPEX Snipe nose side cutting pliers
Vanadium electric steel, forged, oil-hardened

Benefits

- High ergonomics thanks to multi-component handles
- Insulated handles allow working under voltage up to 1000V

Application range

- KNIPEX High leverage combination plier**
- With gripping zones for versatile use
 - With cutting edges for heavy duty and thicker cables
- KNIPEX Flat nose pliers**
- Suitable for finer gripping work
- KNIPEX Snipe nose side cutting pliers**
- Suitable for finer gripping work

Product features

- KNIPEX High leverage combination plier**
- Long cutting edges for thicker cables
- KNIPEX Flat nose pliers**
- Flat, short, wide jaws, knurled gripping surfaces
- KNIPEX Snipe nose side cutting pliers**
- Pointed, half-rounded jaws, knurled gripping surfaces, with cutting edges

Article number	Article designation	Medium hard wire (mm)	Hard wire (mm)	Pianowire (mm)	Cable diameter (mm)	Weight (kg)	Length (mm)
KNIPEX High leverage combination plier							
62120504	High leverage combination plier KKZI 20		2.8	2.2	13	0.343	200
Flat nose plier							
62120502	Flat nose plier FLZI 16					0.176	160
Snipe nose side cutting plier							
62120503	Snipe nose plier FRZI 16	2.5	1.6			0.144	160

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

KNIPEX Alligator® Water pump plier



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Info

- Good access to the workpiece due to slim size

Benefits

- Self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
- High ergonomics thanks to multi-component handles
- Insulated handles allow working under voltage up to 1000V

Application range

- Insensitive to dirt due to robust construction, hence particularly suitable for outdoor work

Product features

- 9-notch adjustment positioning
- High wear resistance of the gripping surfaces

Technical data

Classification ETIM 5/6
 ETIM 5.0/6.0 Class-ID: EC000164
 ETIM 5.0/6.0 Class-Description: Water pump pliers

Certifications
 Insulated according to IEC 60900, applicable up to 1000V AC / 1500V DC VDE-tested

Material
 Chrome vanadium electric steel, forged, multi stage oil-hardened

Article number	Article designation	Clamping width (mm)	Jaw distance (mm)	Weight (kg)	Length (mm)
KNIPEX Alligator® Water pump plier					
62120505	Water pump plier WPZI 25	50	46	0.374	250

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



Info

- For gripping, holding and bending

KNIPEX Electronics pliers



Info

- Precise cutting through hardened cutting edges

KNIPEX Electronics diagonal cutter



Info

- Also for cutting wires resting on a board

KNIPEX Electronics Super Knips®



Benefits

- Smoothly movement for minimum operator fatigue
- Electrically discharging handles
- High ergonomics thanks to multi-component handles

Application range

- For fine assembly and cutting work, e.g. in electronics and fine mechanics

Product features

KNIPEX Electronics pliers

- Head mirror polished, hence good rust protection

KNIPEX Electronics diagonal cutter

- Head mirror polished, hence good rust protection

KNIPEX Electronics Super Knips®

- Head polished

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000836
ETIM 5.0/6.0 Class-Description:
Combination pliers

Material
KNIPEX Electronics pliers
High-grade special tool steel, forged, oil-hardened
KNIPEX Electronics diagonal cutter
High-grade special tool steel, forged, oil-hardened
KNIPEX Electronics Super Knips®
INOX - stainless steel

Article number	Article designation	Soft wire (mm)	Medium hard wire (mm)	Hard wire (mm)	Weight (kg)	Length (mm)
Electronics plier ESD						
62120530	Electronics plier EGZE 12				0.074	115
Electronics diagonal cutter ESD						
62120531	Electronics diagonal cutter ESSE 12	1.6	1.2	0.6	0.082	115
Electronic Super Knips® ESD						
62120532	Electronic Super Knips® ESKE 13	1.6	1		0.055	125

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

KNIPEX Cable knife



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Info

- Solid straight blade for insulation of large cables

KNIPEX Dismantling knife



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Info

- Dismantling without damaging the conductor insulation

Benefits

- Particularly confident grip thanks to slip-proof soft components
- Thumb recess and „finger hook“ at the end of the handle ensure a good transmission of force when the blade is pulled
- High ergonomics thanks to multi-component handles
- Insulated handles allow working under voltage up to 1000V

Product features

- KNIPEX Cable knife**
- Transparent protective cap
- KNIPEX Dismantling knife**
- Transparent protective cap
 - With guide shoe at the blade point

Technical data

Classification ETIM 5/6
 ETIM 5.0/6.0 Class-ID: EC000155
 ETIM 5.0/6.0 Class-Description: Knife

Certifications
 Insulated according to IEC 60900, applicable up to 1000V AC / 1500V DC VDE-tested

Material
KNIPEX Cable knife
 Special tool steel, oil-hardened
KNIPEX Dismantling knife
 Surgical steel, stainless, vacuum-hardened

Article number	Article designation	Blade length (mm)	Radius (mm)	Weight (kg)	Length (mm)
Cable knife					
62120510	Cable knife KAMI 19	50		0.067	190
Dismantling knife					
62120511	Dismantling knife ABMI 18	38	23.5	0.068	180

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

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 alias 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

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000163 ETIM 5.0/6.0 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

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



ALLROUNDER STRIP dismantling tool



Info

- The „Allrounder“

Benefits

- No adjustment of cutting depth required
- Also suitable for asymmetric cable design (ÖLFLEX Heat, etc.)
- Higher flexibility
- Multifunctional: with shielded cables the different layers can be easily removed with the tool

Application range

- Asymmetric cable design (ÖLFLEX HEAT, HITRONIC DUPLEX, ...)
- Stripping of cable sheathing and conductor insulation of round and flat cables with two parallel blades (4-15mm Ø (round cables), max. 15mm width (flat cables))

Product features

- Extra blade for longitudinal cut
- 2 stripping notches with length stop for stripping conductors
- Locator Box for limiting cutting depth

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000163
ETIM 5.0/6.0 Class-Description: Cable stripping tool

Article number	Article designation	Pieces / PU
ALLROUNDER STRIP dismantling tool		
61735835	ALLROUNDER STRIP	1
61735836	ALLROUNDER Locator Box	1

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



FIBRE STRIP dismantling tool



Benefits

- No adjustment of cutting depth required
- Also suitable for asymmetric cable design (ÖLFLEX Heat, etc.)

Application range

- Fibre optic cables with reinforcement elements inside sheathing

Product features

- Specially coated parallel blades for removing harder jacketing materials of fibre optic cables (diameter <5.9mm)

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000163
ETIM 5.0/6.0 Class-Description: Cable stripping tool

Article number	Article designation	Pieces / PU
FIBRE STRIP dismantling tool		
61735834	FIBRE STRIP	1

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DATA STRIP stripping tool



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)
- Not suitable for PUR materials

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 282

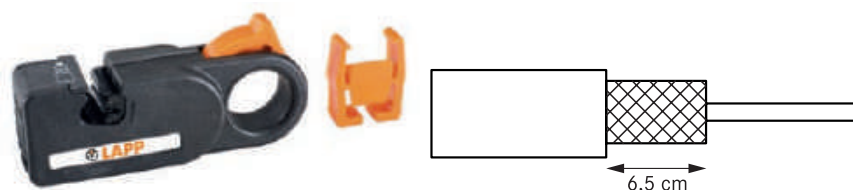
Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000163 ETIM 5.0/6.0 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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FC STRIP stripping tool / FC STRIP PLUS stripping tool



FC STRIP stripping tool



FC STRIP PLUS stripping tool

Benefits

FC STRIP stripping tool

- 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

FC STRIP PLUS stripping tool

- 1-, 2- and 3-level stripping in one operation
- Time-saving
- Prevents cable damage
- Higher flexibility

Application range

FC STRIP stripping tool

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

FC STRIP PLUS stripping tool

- Coaxial and round data cables (e.g. UNITRONIC, ETHERLINE, ...) from 2,5 to 8,0 mm diameter
- Fast-Connect cables

Product features

FC STRIP stripping tool

- Preset stripping length for copper screening braid 6.5 mm (blade distance)

FC STRIP PLUS stripping tool

- Blade distances and cutting depth can be set individually

Suitable cables

FC STRIP stripping tool

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Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000163
ETIM 5.0/6.0 Class-Description: Cable stripping tool

Article number	Article designation	Suitable for:	Pieces / PU
FC STRIP stripping tool			
21124030	FC STRIP incl. blue blade	Fast Connect cables	1
21124040	FC STRIP without blade		1
21124041	FC STRIP blade cartridge blue	PROFIBUS	1
21124021	FC STRIP blade cartridge green	ETHERNET	1
FC STRIP PLUS stripping tool			
21124045	FC STRIP PLUS	Fast Connect cables	1
21124092	FC STRIP PLUS spare blades 3 pcs		3

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AS-I STRIP special stripping tool



Benefits

- Automatic setting of blades
- No damage to single cores

Application range

- For AS-I cables with PVC, TPE 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 326

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000163 ETIM 5.0/6.0 Class-Description: Cable stripping tool
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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

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000163 ETIM 5.0/6.0 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

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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

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000163
ETIM 5.0/6.0 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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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
- Tool is always delivered with a length stop

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000163 ETIM 5.0/6.0 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
21920126	POF 1, 2, 4-wire stripping knife	2.2 - 6.7	PVC/PUR			1
21920006	Fluoropolymer stripping knife	0.03 - 2.08	PTFE			1
21920004	PTFE stripping knife 2,5-10	2.5 - 10	PTFE			1
21920008	PTFE stripping knife 0,5-16	0.5 - 16.0	PTFE			1
21920135	AS I stripping knife		rubber/TPE/PVC			1
21920122	Solar stripping knife	1.5 - 6.0	XLPO			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	2.2 - 6.7	PVC/PUR			1
21920129	Universal Strip PTFE 0,03-2,08	0.03 - 2.08	PTFE			1
21920130	Universal Strip PTFE 2,5-10	2.5 - 10	PTFE			1
21920131	Universal Strip PTFE 0,5-16	0.5 - 16.0	PTFE			1
21920140	Universal Strip AS-I		rubber/TPE/PVC			1
21920120	Universal Strip Solar	1.5 - 6	XLPO			1

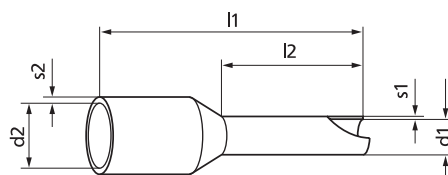
Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

- Additional blades are available upon request



Conductor end sleeves insulated



Info

- Now with UL approval

Benefits

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

Application range

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

Norm references / Approvals

- All DIN conductor end-sleeves are in accordance with DIN 46228 Part 4
- UL File No. E507990, see table
- Fire behaviour according to UL 94 HB

Note

- From 16mm sleeve length (l2) 2x crimp

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984
- PEW 8.185 crimping pliers refer to page 971
- PEW 8.186 crimping pliers refer to page 971

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000005
ETIM 5.0/6.0 Class-Description: Cable end sleeve



Note

Halogen-free



Material

Copper/PP
Surface: tin-plated



Temperature range

-5°C to +105°C

Article number	Article designation	For mm ²	UL certification	Colour	l1 mm	l2 mm	d1 mm	s1 mm	d2 mm	s2 mm	Suitable crimp insert	Pieces / PU
Conductor end sleeves insulated												
61721866	AHI N 0,25/6	0.25	no	light blue	10.5	6	0.8	0.25	1.8	0.25	PEW 12.090	500
61721867	AHI L 0,25/8	0.25	no	light blue	12.5	8	0.8	0.25	1.8	0.25	PEW 12.090	500
61721868	AHI N 0,34/6	0.34	no	turquoise	10.5	6	0.8	0.25	2	0.25	PEW 12.090	500
61721869	AHI L 0,34/8	0.34	no	turquoise	12.5	8	0.8	0.25	2	0.25	PEW 12.090	500
61801580	AHI DIN K 0,5/6	0.50	yes	white	11.5	6	1.1	0.15	2.5	0.25	PEW 12.090	500
61801590	AHI DIN N 0,5/8	0.50	yes	white	13.5	8	1.1	0.15	2.5	0.25	PEW 12.090	500
61801600	AHI DIN HL 0,5/10	0.50	yes	white	15.5	10	1.1	0.15	2.5	0.25	PEW 12.090	500
61721871	AHI N 0,5/8	0.50	no	orange	13.5	8	1.1	0.15	2.5	0.25	PEW 12.090	500
61801620	AHI DIN K 0,75/6	0.75	yes	grey	12	6	1.3	0.15	2.8	0.25	PEW 12.090	500
61801630	AHI DIN N 0,75/8	0.75	yes	grey	14	8	1.3	0.15	2.8	0.25	PEW 12.090	500
61801640	AHI DIN HL 0,75/10	0.75	yes	grey	16	10	1.3	0.15	2.8	0.25	PEW 12.090	500
61801650	AHI DIN L 0,75/12	0.75	yes	grey	18	12	1.3	0.15	2.8	0.25	PEW 12.090	500
61721880	AHI N 0,75/8	0.75	no	white	14	8	1.3	0.15	2.8	0.25	PEW 12.090	500
61801660	AHI DIN K 1/6	1.00	yes	red	12.5	6	1.5	0.15	3	0.3	PEW 12.090	500
61801670	AHI DIN N 1/8	1.00	yes	red	14.5	8	1.5	0.15	3	0.3	PEW 12.090	500
61801680	AHI DIN HL 1/10	1.00	yes	red	16.5	10	1.5	0.15	3	0.3	PEW 12.090	500
61801690	AHI DIN L 1/12	1.00	yes	red	18.5	12	1.5	0.15	3	0.3	PEW 12.090	500
61721890	AHI N 1/8	1.00	no	yellow	14.5	8	1.5	0.15	3	0.3	PEW 12.090	500
61801700	AHI K 1,5/6	1.50	yes	black	12.5	6	1.8	0.15	3.4	0.3	PEW 12.090	500
61801710	AHI DIN N 1,5/8	1.50	yes	black	14.5	8	1.8	0.15	3.4	0.3	PEW 12.090	500
61801720	AHI DIN HL 1,5/10	1.50	yes	black	16.5	10	1.8	0.15	3.4	0.3	PEW 12.090	500
61801730	AHI DIN L 1,5/18	1.50	yes	black	24.5	18	1.8	0.15	3.4	0.3	PEW 12.090	500
61721900	AHI N 1,5/8	1.50	no	red	14.5	8	1.8	0.15	3.4	0.3	PEW 12.090	500
61721910	AHI HL 1,5/10	1.50	no	red	16.5	10	1.8	0.15	3.4	0.3	PEW 12.090	500
61746720	AHI L 1,5/18	1.50	no	red	24.5	18	1.8	0.15	3.4	0.3	PEW 12.090	500
61801750	AHI DIN N 2,5/8	2.50	yes	blue	15	8	2.3	0.15	4.2	0.3	PEW 12.090	500
61801760	AHI DIN HL 2,5/12	2.50	yes	blue	19	12	2.3	0.15	4.2	0.3	PEW 12.090	500
61801770	AHI DIN L 2,5/18	2.50	yes	blue	25	18	2.3	0.15	4.2	0.3	PEW 12.090	500
61801780	AHI DIN N 4/10	4.00	yes	grey	17.5	10	2.9	0.2	4.8	0.3	PEW 12.090	500
61801790	AHI DIN HL 4/12	4.00	yes	grey	20	12	2.9	0.2	4.8	0.3	PEW 12.090	500
61801800	AHI DIN L 4/18	4.00	yes	grey	26	18	2.9	0.2	4.8	0.3	PEW 12.090	100
61801810	AHI DIN N 6/12	6.00	yes	yellow	20	12	3.6	0.2	6.2	0.3	PEW 12.090	100
61801820	AHI DIN L 6/18	6.00	yes	yellow	25	18	3.6	0.2	6.2	0.3	PEW 12.090	100
61721940	AHI N 6/12	6.00	no	black	20	12	3.6	0.2	6.2	0.3	PEW 12.090	100
61721950	AHI L 6/18	6.00	no	black	26	18	3.6	0.2	6.2	0.3	PEW 12.090	100
61801830	AHI DIN N 10/12	10.00	yes	red	21	12	4.6	0.2	7.5	0.3	PEW 12.091	100
61801840	AHI DIN L 10/18	10.00	yes	red	27	18	4.6	0.2	7.5	0.3	PEW 12.091	100
61721960	AHI N 10/12	10.00	no	ivory	21	12	4.6	0.2	7.5	0.3	PEW 12.091	100
61721970	AHI L 10/18	10.00	no	ivory	27	18	4.6	0.2	7.5	0.3	PEW 12.091	100
61801850	AHI DIN N 16/12	16.00	yes	blue	23	12	6	0.2	8.8	0.4	PEW 12.091	100
61801860	AHI DIN L 16/18	16.00	yes	blue	29	18	6	0.2	8.8	0.4	PEW 12.091	100
61721980	AHI N 16/12	16.00	no	green	23	12	6	0.2	8.8	0.4	PEW 12.091	100
61721990	AHI L 16/18	16.00	no	green	29	18	6	0.2	8.8	0.4	PEW 12.091	100

Article number	Article designation	For mm ²	UL certification	Colour	l1 mm	l2 mm	d1 mm	s1 mm	d2 mm	s2 mm	Suitable crimp insert	Pieces / PU
61801870	AHI DIN N 25/16	25.00	yes	yellow	29	16	7.5	0.2	11	0.5	PEW 12.091	50
61801890	AHI DIN L 25/22	25.00	yes	yellow	35	22	7.5	0.2	11	0.5	PEW 12.091	50
61746770	AHI N 25/16	25.00	no	brown	29	16	7.5	0.2	11	0.5	PEW 12.091	50
61746780	AHI L 25/22	25.00	no	brown	35	22	7.5	0.2	11	0.5	PEW 12.091	50
61801900	AHI DIN N 35/16	35.00	yes	red	30	16	8.5	0.2	12.5	0.5	PEW 12.331	50
61801920	AHI DIN L 35/25	35.00	yes	red	39	25	8.5	0.2	12.5	0.5	PEW 12.331	50
61746790	AHI N 35/16	35.00	no	beige	30	16	8.5	0.2	12.5	0.5	PEW 12.331	50
61746800	AHI L 35/25	35.00	no	beige	39	25	8.5	0.2	12.5	0.5	PEW 12.331	50
61801930	AHI DIN N 50/20	50.00	yes	blue	36	20	10.5	0.3	15	0.6	PEW 12.331	50
61801940	AHI DIN L 50/25	50.00	yes	blue	41	25	10.5	0.3	15	0.6	PEW 12.331	50
61801950	AHI N 70/20	70.00	no	yellow	37	20	12.7	0.4	16	0.6	PEW 12S.093	25
61801960	AHI L 70/27	70.00	no	yellow	44	27	12.7	0.4	16	0.6	PEW 12S.093	25
61801970	AHI N 95/25	95.00	no	red	44	25	14.7	0.4	18	0.6	PEW 12S.094	25
61801980	AHI N 120/27	120.00	no	blue	48	27	16.7	0.5	21	0.7		25
61801990	AHI N 150/32	150.00	no	yellow	58	32	19.5	0.5	23	1		25

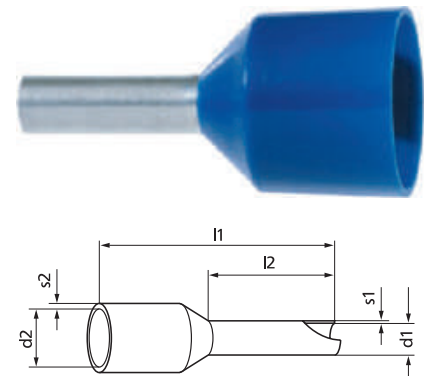
K = short; N = medium; HL = large; L = extra large; other sizes and colours are available upon request
 Photographs and graphics are not to scale and do not represent detailed images of the respective products.
 The manufacturing tolerance is +/- 0,4 mm.



Conductor end sleeves AHK insulated

Info

- Now with UL approval



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.

Norm references / Approvals

- UL File No. E507990, see table

Suitable cables

- NSGAFÖU 1,8/3 kV Page 104

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984
- PEW 8.185 crimping pliers refer to page 971
- PEW 8.186 crimping pliers refer to page 971

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000005
 ETIM 5.0/6.0 Class-Description: Cable end sleeve



Material

Copper/PP
 Surface: tin-plated



Temperature range

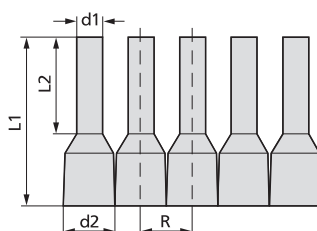
-5°C to +105°C

Article number	Article designation	For mm ²	UL certification	Colour	l1 mm	l2 mm	d1 mm	s1 mm	d2 mm	s2 mm	Suitable crimp insert	Pieces / PU
Conductor end sleeves AHK insulated												
61746500	AHK 1,5/8	1.50	yes	black	17.5	8	1.8	0.15	7.5	0.3	PEW 12.090	100
61746501	AHK 1,5/10	1.50	no	black	19.5	10	1.8	0.15	7.5	0.3	PEW 12.090	100
61746502	AHK 2,5/8	2.50	yes	blue	17.5	8	2.3	0.15	8	0.3	PEW 12.090	100
61746503	AHK 2,5/12	2.50	yes	blue	21.5	12	2.3	0.15	8	0.3	PEW 12.090	100
61746504	AHK 4/10	4.00	yes	grey	19.5	10	2.9	0.2	9.5	0.3	PEW 12.090	100
61746505	AHK 6/12	6.00	yes	yellow	23	12	3.6	0.2	10	0.3	PEW 12.090	100
61746506	AHK 10/12	10.00	yes	red	24	12	4.6	0.2	11.5	0.3	PEW 12.091	100
61746507	AHK 16/12	16.00	yes	blue	25.5	12	6	0.2	13.5	0.3	PEW 12.091	100

Photographs and graphics 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



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000005
ETIM 5.0/6.0 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

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TWIN conductor end sleeves



Benefits

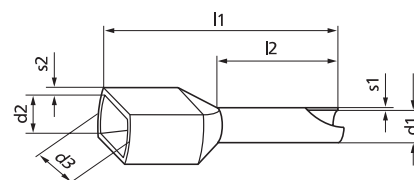
- Special shape of plastic collar enables simultaneous holding of two strand conductors
- Correct crimping of two conductors in a TWIN conductor end sleeve achieves a proper electrical and mechanical connection

Norm references / Approvals

- UL File No. E507990, see table

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984



Info

- Now with UL approval

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000005
ETIM 5.0/6.0 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	UL certification	Colour	l1 mm	l2 mm	d1 mm	s1 mm	d2 mm	d3 mm	s2 mm	Suitable crimp insert	Pieces / PU
TWIN conductor end sleeves													
61801999	AHI-TWIN	2.00 x 0.50	yes	white	15	8	1.5	0.15	2.3	4.5	0.25	PEW 12.090-6	500
61802000	AHI-TWIN	2.00 x 0.75	yes	grey	15	8	1.8	0.15	2.6	5.1	0.25	PEW 12.090-6	500
61802010	AHI-TWIN	2.00 x 1.00	yes	red	15	8	2.05	0.15	3	5.1	0.3	PEW 12.090-6	500
61802020	AHI-TWIN	2.00 x 1.50	yes	black	16	8	2.3	0.15	3.5	6.4	0.3	PEW 12.090-6	500
61802030	AHI-TWIN	2.00 x 2.50	yes	blue	18.5	10	2.9	0.2	4	7.5	0.3	PEW 12.090-6	500
61802032	AHI-TWIN	2.00 x 4.00	yes	grey	23	12	3.8	0.2	4.9	8.6	0.3	PEW 12.090-6	100
61802033	AHI-TWIN	2.00 x 6.00	yes	yellow	25	14	4.6	0.2	5.8	9.6	0.4	PEW 12.097	100
61802034	AHI-TWIN	2.00 x 10.00	yes	red	26	14	6.5	0.2	7	12.6	0.4	PEW 12.097	100
61802035	AHI-TWIN	2.00 x 16.00	yes	blue	30	14	8.2	0.2	9.6	18.4	0.4	PEW 12.097	50

Other sizes and colours are available upon request.

Photographs and graphics 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



Benefits

- Convenient assortment boxes - several diameters always at your fingertips

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

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,
2x1,5 - 8mm, 2x2,50 - 10mm

Suitable tools

DIN assorted boxes conductor end sleeves

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984
- PEW 8.185 crimping pliers refer to page 971
- PEW 8.186 crimping pliers refer to page 971

AHI assorted boxes

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984
- PEW 8.185 crimping pliers refer to page 971
- PEW 8.186 crimping pliers refer to page 971

TWIN assorted boxes

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000524

ETIM 5.0/6.0 Class-Description:

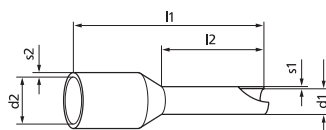
Assortment box for installation- and connection material

Article number	Article designation	For mm ²	Suitable crimp insert	Contents (unit)	PU
DIN assortment box					
61802040	DIN assortment box I	0.25 - 1.00	PEW 12.090	150 x 1	1
61802041	DIN assortment box II	0.50 - 2.50	PEW 12.090	400 x 1	1
61802042	DIN assortment box III	4.00 - 16.00	PEW 12.090 / PEW 12.091	100 x 1	1
AHI assortment box					
61794720	AHI assortment box I	0.25 - 1.00	PEW 12.090	150 x 1	1
61794730	AHI assortment box II	0.50 - 2.50	PEW 12.090	400 x 1	1
61794740	AHI assortment box III	4.00 - 16.00	PEW 12.090 / PEW 12.091	100 x 1	1
TWIN assortment box					
61802046	TWIN assortment box	2 x 0,75 - 2 x 2,5	PEW 12.090-6	200 x 1	1

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



Conductor end sleeves XL, insulated



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

Note

- For 2,5 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 224
- MULTI-STANDARD SC 2.1 Page 225
- MULTI-STANDARD SC 2.2 Page 228

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984
- PEW 8.185 crimping pliers refer to page 971
- PEW 8.186 crimping pliers refer to page 971

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000005 ETIM 5.0/6.0 Class-Description: Cable end sleeve
	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	UL certification	Colour	l1 mm	l2 mm	d1 mm	s1 mm	d2 mm	s2 mm	Suitable crimp insert	Pieces / PU
Conductor end sleeves XL, insulated												
61802061	Conductor end sleeves XL 0.5 WH 8	0.50	no	white	13.5	8	1.1	0.15	3	0.25	PEW 12.090	500
61802062	Conductor end sleeves XL 0.5 WH 10	0.50	no	white	15.5	10	1.1	0.15	3	0.25	PEW 12.090	500
61802063	Conductor end sleeves XL 0.75 GY 8	0.75	no	grey	14	8	1.3	0.15	3.4	0.3	PEW 12.090	500
61802064	Conductor end sleeves XL 0.75 GY 10	0.75	no	grey	16	10	1.3	0.15	3.4	0.3	PEW 12.090	500
61802065	Conductor end sleeves XL 1.0 RD 8	1.00	no	red	14	8	1.5	0.15	3.4	0.3	PEW 12.090	500
61802066	Conductor end sleeves XL 1.0 RD 10	1.00	no	red	16	10	1.5	0.15	3.4	0.3	PEW 12.090	500
61802067	Conductor end sleeves XL 1.5 BK 8	1.50	no	black	14	8	1.8	0.15	3.8	0.3	PEW 12.090	500
61802068	Conductor end sleeves XL 1.5 BK 10	1.50	no	black	16	10	1.8	0.15	3.8	0.3	PEW 12.090	500
61802069	Conductor end sleeves XL 16.0 BU 12	16.00	no	blue	23	12	6	0.2	9.5	0.4	PEW 12.091	100

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

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

Similar products

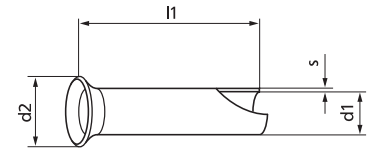
- Conductor end sleeves insulated refer to page 964



Info

- Now with UL approval

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
- UL File No. E507990, see table

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984
- PEW 8.185 crimping pliers refer to page 971
- PEW 8.186 crimping pliers refer to page 971

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000005
ETIM 5.0/6.0 Class-Description: Cable end sleeve



Material

Tinned electrolyte copper



Temperature range

- 55°C up to +200 °C

Article number	Article designation	For mm ²	UL certification	l1 mm	d1 mm	d2 mm	s mm	Suitable crimp insert	Pieces / PU
Conductor end sleeves AH, not insulated									
62120200	AH DIN 0,5/6	0.50	yes	6	1	2.1	0.15	PEW 12.090	500
62120210	AH DIN 0,75/6	0.75	yes	6	1.2	2.3	0.15	PEW 12.090	500
61721530	AH DIN 0,75/10	0.75	yes	10	1.2	2.3	0.15	PEW 12.090	500
62120220	AH DIN 1/6	1.00	yes	6	1.4	2.5	0.15	PEW 12.090	500
61721540	AH DIN 1/10	1.00	yes	10	1.4	2.5	0.15	PEW 12.090	500
62120230	AH DIN 1,5/7	1.50	yes	7	1.7	2.8	0.15	PEW 12.090	500
61721550	AH DIN 1,5/10	1.50	yes	10	1.7	2.8	0.15	PEW 12.090	500
62120240	AH DIN 2,5/7	2.50	yes	7	2.2	3.4	0.15	PEW 12.090	500
61721560	AH DIN 2,5/12	2.50	yes	12	2.2	3.4	0.15	PEW 12.090	500
62120250	AH DIN 4/9	4.00	yes	9	2.8	4	0.2	PEW 12.090	500
62120260	AH DIN 6/10	6.00	yes	10	3.5	4.7	0.2	PEW 12.090	500
62120270	AH DIN 10/12	10.00	yes	12	4.5	5.8	0.2	PEW 12.091	500
62120280	AH DIN 16/12	16.00	yes	12	5.8	7.5	0.2	PEW 12.091	500

Other sizes are available upon request.

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

Tools and cable accessories



Connection and crimping • Crimping tools for conductor end sleeves



QUADRO Plus multifunction tool



Benefits

- Integration of four key functions in one tool: cutting, insulation Stripping, twisting and crimping
- 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 Plus tool

Included

- Article no. 61805300: Case with tool, three magazines and end sleeves
- Article no. 61805302: Storage box for conductor end sleeves

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002778
ETIM 5.0/6.0 Class-Description:
Stripping and crimping machine

Article number	Article designation	For mm²	AWG	UL certification	Colour	l1 mm	l2 mm	d1 mm	d2 mm	R mm	Pieces / PU
QUADRO Plus multifunction tool											
61805300	QUADRO Plus Set	0.50 - 2.50		no							1
61805302	QUADRO Plus magazine	0.50 - 2.50		no							1
DIN-strips for QUADRO Plus											
61805170	DIN Strips 0,50	0.5	20	no	white	14	8	1.1	2.6	3.5	500
61805180	DIN Strips 0,75	0.7	20	no	grey	14	8	1.3	2.8	3.6	500
61805190	DIN Strips 1,00	1.0	18	no	red	14	8	1.5	3	3.9	500
61805200	DIN Strips 1,50	1.5	16	no	black	14	8	1.8	3.4	4.2	500
61805210	DIN Strips 2,50	2.5	14	no	blue	14	8	2.3	4.2	5	500

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

PEW 8.185 crimping pliers / PEW 8.186 crimping pliers



PEW 8.185 crimping pliers



PEW 8.186 crimping pliers

Benefits

- Ergonomic handles and very low hand force required
- 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

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

Product features

- Made of chromium-plated tool steel

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	Classification ETIM 5/6
	ETIM 5.0/6.0 Class-ID: EC000168 ETIM 5.0/6.0 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 and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- PEW 8.87 crimping pliers

Accessories

- Conductor end sleeves insulated refer to page 964
- Conductor end sleeves AH, not insulated refer to page 969



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

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

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984

Technical data

- Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC001052
ETIM 5.0/6.0 Class-Description:
Solderless copper terminals for copper conductors
- General**
Other sizes and colours (also DIN) are available upon request
Halogen-free
- Material**
High-quality electrolytic copper for good conductivity
Polyamide insulation
- Temperature range**
-20°C to +105°C
Short-term: up to +120°C

Norm references / Approvals

- Tested in accordance with DIN IEC 60352
- File Number E334109, see table

Article number	Article designation	For mm ²	UL certification	Connection bolt	Colour	Suitable crimp insert	Pieces / PU
Ring cable lugs							
63104010	L-RZ 3	0.25 - 0.75	no	M 3	green	PEW 12.064	100
63104020	L-RZ 4	0.25 - 0.75	no	M 4	green	PEW 12.064	100
63104030	L-RZ 5	0.25 - 0.75	no	M 5	green	PEW 12.064	100
63104040	L-RA 3	0.5 - 1.5	yes	M 3	red	PEW 12.060	100
63104050	L-RA 35	0.5 - 1.5	yes	M 3.5	red	PEW 12.060	100
63104060	L-RA 4	0.5 - 1.5	yes	M 4	red	PEW 12.060	100
63104070	L-RA 5	0.5 - 1.5	yes	M 5	red	PEW 12.060	100
63104080	L-RA 6	0.5 - 1.5	yes	M 6	red	PEW 12.060	100
63104160	L-RB 3	1.5 - 2.5	yes	M 3	blue	PEW 12.060	100
63104170	L-RB 4	1.5 - 2.5	yes	M 4	blue	PEW 12.060	100
63104180	L-RB 5	1.5 - 2.5	yes	M 5	blue	PEW 12.060	100
63104190	L-RB 6	1.5 - 2.5	yes	M 6	blue	PEW 12.060	100
63104200	L-RB 8	1.5 - 2.5	yes	M 8	blue	PEW 12.060	100
63104340	L-RC 4	4 - 6	yes	M 4	yellow	PEW 12.060	100
63104350	L-RC 5	4 - 6	yes	M 5	yellow	PEW 12.060	50
63104360	L-RC 6	4 - 6	yes	M 6	yellow	PEW 12.060	50
63104370	L-RC 8	4 - 6	yes	M 8	yellow	PEW 12.060	100
63104380	L-RC 10	4 - 6	yes	M 10	yellow	PEW 12.060	50
Fork cable lugs							
63105010	L-RZ 3 F	0.25 - 0.75	no	M 3	green	PEW 12.064	100
63105020	L-RZ 4 F	0.25 - 0.75	no	M 4	green	PEW 12.064	100
63105050	L-RA 4 F	0.5 - 1.5	yes	M 4	red	PEW 12.060	100
63105060	L-RA 5 F	0.5 - 1.5	yes	M 5	red	PEW 12.060	100
63105070	L-RA 6 F	0.5 - 1.5	yes	M 6	red	PEW 12.060	100
63105130	L-RB 4 F	1.5 - 2.5	yes	M 4	blue	PEW 12.060	100
63105140	L-RB 5 F	1.5 - 2.5	yes	M 5	blue	PEW 12.060	100
63105150	L-RB 6 F	1.5 - 2.5	yes	M 6	blue	PEW 12.060	100
63105210	L-RC 4 F	4 - 6	yes	M 4	yellow	PEW 12.060	100
63105220	L-RC 5 F	4 - 6	yes	M 5	yellow	PEW 12.060	100
63105230	L-RC 6 F	4 - 6	yes	M 6	yellow	PEW 12.060	50
63105040	L-RA 35 F	0.5 - 1.5	yes	M 3.5	red	PEW 12.060	100
63105110	L-RB 3 F	1.5 - 2.5	yes	M 3	blue	PEW 12.060	100
63105120	L-RB 35 F	1.5 - 2.5	yes	M 3.5	blue	PEW 12.060	100

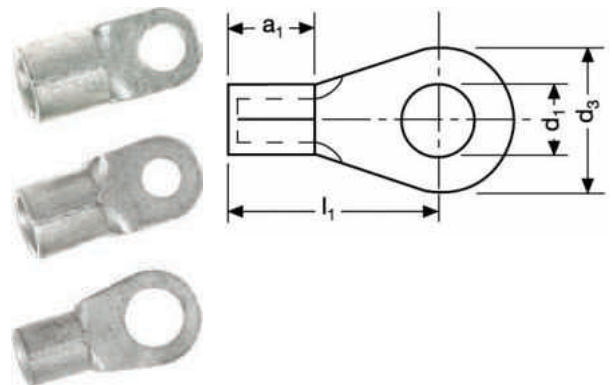
Article number	Article designation	For mm²	UL certification	Connection bolt	Colour	Suitable crimp insert	Pieces / PU
Flange fork cable lugs							
63108010	L-RA 35 FF	0.5 - 1.5	no	M 3.5	red	PEW 12.060	100
63108040	L-RB 4 FF	1.5 - 2.5	no	M 4	blue	PEW 12.060	100
63108050	L-RB 5 FF	1.5 - 2.5	no	M 5	blue	PEW 12.060	100
Pin cable lugs							
63107010	L-RZP	0.25 - 0.75	no		green	PEW 12.064	100
63107020	L-RAP	0.5 - 1.5	yes		red	PEW 12.060	100
63107040	L-RBP	1.5 - 2.5	yes		blue	PEW 12.060	100
63107070	L-RCP	4 - 6	yes		yellow	PEW 12.060	100
Circular connector							
63110010	L-RABM	0.5 - 1.5	no		red	PEW 12.060	100
63110020	L-RB 5 BM	1.5 - 2.5	no		blue	PEW 12.060	100
Connector sleeve							
63111010	L-RAB	0.5 - 1.5	no		red	PEW 12.060	100
63111020	L-RB 5 B	1.5 - 2.5	no		blue	PEW 12.060	100
Butt connector							
63106020	L-RAA 15	0.5 - 1.5	yes		red	PEW 12.060	100
63106040	L-RBB 25	1.5 - 2.5	yes		blue	PEW 12.060	100
63106080	L-RCC 6	4 - 6	yes		yellow	PEW 12.060	50
End joint							
63112010	L-RBJ	1.5 - 2.5	no		transparent	PEW 12.060	100
63112020	L-RCJ	4 - 6	no		transparent	PEW 12.060	50

Other sizes and colours are available upon request.

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

Production tolerance ± 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

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984
- PVX 1300 pressing pliers battery-operated refer to page 981

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC001052

ETIM 5.0/6.0 Class-Description:

Solderless copper terminals for copper conductors



Note

s = thickness of material



Material

High-quality electrolytic copper for good conductivity



Temperature range

Temperature range up to +120°C

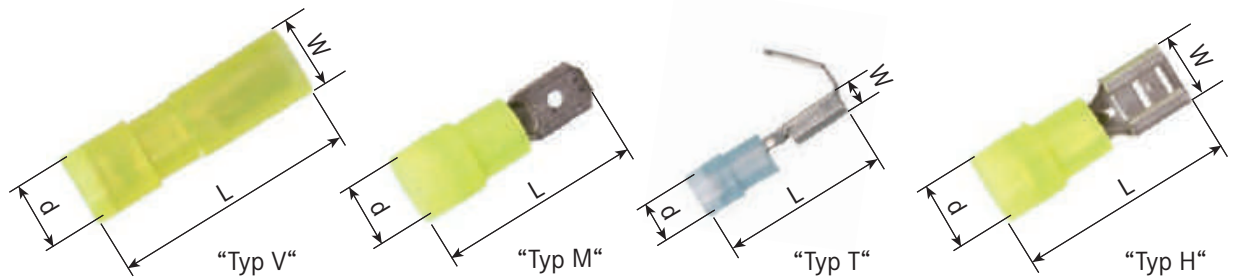
Article number	Article designation	For mm²	UL certification	d1	d3	l1	a1	s	Suitable crimp insert	Pieces / PU
Solderless cable lugs KB										
63204015	KB1-2,5R DIN 46234	0.5 - 1.5	no	2.8	6	11	5	0.8	PEW 12.1071	100
63204025	KB1-3R DIN 46234	0.5 - 1.5	no	3.2	6	11	5	0.8	PEW 12.1071	100
63204035	KB1-3,5R DIN 46234	0.5 - 1.5	no	3.7	6	11	5	0.8	PEW 12.1071	100
63204045	KB1-4R DIN 46234	0.5 - 1.5	no	4.3	8	12	5	0.8	PEW 12.1071	100
63204055	KB1-5R DIN 46234	0.5 - 1.5	no	5.3	10	13	5	0.8	PEW 12.1071	100
63204065	KB1-6R DIN 46234	0.5 - 1.5	no	6.5	10	13	5	0.8	PEW 12.1071	100
63204075	KB1-8R DIN 46234	0.5 - 1.5	no	8.4	14	17	5	0.8	PEW 12.1071	100
63204085	KB1-10R DIN 46234	0.5 - 1.5	no	10.5	14	17	5	0.8	PEW 12.1071	100
63204095	KB2,5-3R DIN 46234	1.5 - 2.5	no	3.2	6	11	5	0.8	PEW 12.1071	100
63204105	KB2,5-3,5R DIN 46234	1.5 - 2.5	no	3.7	6	11	5	0.8	PEW 12.1071	100
63204115	KB2,5-4R DIN 46234	1.5 - 2.5	no	4.3	8	12	5	0.8	PEW 12.1071	100
63204125	KB2,5-5R DIN 46234	1.5 - 2.5	no	5.3	10	14	5	0.8	PEW 12.1071	100
63204135	KB2,5-6R DIN 46234	1.5 - 2.5	no	6.5	11	16	5	0.8	PEW 12.1071	100

Article number	Article designation	For mm ²	UL certification	d 1	d 3	l 1	a 1	s	Suitable crimp insert	Pieces / PU
63204145	KB2,5-8R DIN 46234	1.5 - 2.5	no	8.4	14	17	5	0.8	PEW 12.1071	100
63204155	KB2,5-10R DIN 46234	1.5 - 2.5	no	10.5	14	17	5	0.8	PEW 12.1071	100
63204165	KB2,5-12R DIN 46234	1.5 - 2.5	no	13	18	20	5	0.8	PEW 12.1071	100
63204175	KB6-4R DIN 46234	2.5 - 6	no	4.3	8	14	6	1	PEW 12.1071	100
63204185	KB6-5R DIN 46234	2.5 - 6	no	5.3	10	15	6	1	PEW 12.1071	100
63204195	KB6-6R DIN 46234	2.5 - 6	no	6.5	11	16	6	1	PEW 12.1071	100
63204205	KB6-8R DIN 46234	2.5 - 6	no	8.4	14	19	6	1	PEW 12.1071	100
63204215	KB6-10R DIN 46234	2.5 - 6	no	10.5	18	21	6	1	PEW 12.1071	100
63204225	KB6-12R DIN 46234	2.5 - 6	no	13	18	21	6	1	PEW 12.1071	100
63204235	KB10-5R DIN 46234	10	no	5.3	10	16	8	1.1	PEW 12.1071	100
63204245	KB10-6R DIN 46234	10	no	6.5	11	17	8	1.1	PEW 12.1071	100
63204255	KB10-8R DIN 46234	10	no	8.4	14	20	8	1.1	PEW 12.1071	100
63204265	KB10-10R DIN 46234	10	no	10.5	18	21	8	1.1	PEW 12.1071	100
63204275	KB10-12R DIN 46234	10	no	13	22	23	8	1.1	PEW 12.1071	100
63204285	KB16-5R DIN 46234	16	no	5.3	11	20	10	1.2	PEW 12.033	100
63204295	KB16-6R DIN 46234	16	no	6.5	11	20	10	1.2	PEW 12.033	100
63204305	KB16-8R DIN 46234	16	no	8.4	14	22	10	1.2	PEW 12.033	100
63204315	KB16-10R DIN 46234	16	no	10.5	18	24	10	1.2	PEW 12.033	100
63204325	KB16-12R DIN 46234	16	no	13	22	26	10	1.2	PEW 12.033	100
63204335	KB25-5R DIN 46234	25	no	5.3	12	25	11	1.5	PEW 12.033	100
63204345	KB25-6R DIN 46234	25	no	6.5	12	25	11	1.5	PEW 12.033	100
63204355	KB25-8R DIN 46234	25	no	8.4	16	25	11	1.5	PEW 12.033	100
63204365	KB25-10R DIN 46234	25	no	10.5	18	26	11	1.5	PEW 12.033	100
63204375	KB25-12R DIN 46234	25	no	13	22	31	11	1.5	PEW 12.033	100
63204385	KB25-16R DIN 46234	25	no	17	35	36	11	1.5	PEW 12.033	100
63204395	KB35-6R DIN 46234	35	no	6.5	15	26	12	1.6		100
63204405	KB35-8R DIN 46234	35	no	8.4	16	26	12	1.6		100
63204415	KB35-10R DIN 46234	35	no	10.5	18	27	12	1.6		100
63204425	KB35-12R DIN 46234	35	no	13	22	31	12	1.6		100
63204435	KB35-16R DIN 46234	35	no	17	28	36	12	1.6		100
63204445	KB50-6R DIN 46234	50	no	6.5	18	34	16	1.8		100
63204455	KB50-8R DIN 46234	50	no	8.4	18	34	16	1.8		100
63204465	KB50-10R DIN 46234	50	no	10.5	18	34	16	1.8		100
63204475	KB50-12R DIN 46234	50	no	13	22	36	16	1.8		100
63204485	KB50-16R DIN 46234	50	no	17	28	40	16	1.8		100
63204495	KB70-6R DIN 46234	70	no	6.5	22	38	18	2		100
63204505	KB70-8R DIN 46234	70	no	8.4	22	38	18	2		100
63204515	KB70-10R DIN 46234	70	no	10.5	22	38	18	2		100
63204525	KB70-12R DIN 46234	70	no	13	22	38	18	2		100
63204535	KB70-16R DIN 46234	70	no	17	28	42	18	2		100
63204545	KB95-8R DIN 46234	95	no	8.4	24	42	20	2.5		50
63204555	KB95-10R DIN 46234	95	no	10.5	24	42	20	2.5		50
63204565	KB95-12R DIN 46234	95	no	13	24	42	20	2.5		50
63204575	KB95-16R DIN 46234	95	no	17	28	44	20	2.5		50
63204585	KB120-8R DIN 46234	120	no	8.4	24	44	22	3		25
63204595	KB120-10R DIN 46234	120	no	10.5	24	44	22	3		25
63204605	KB120-12R DIN 46234	120	no	13	24	44	22	3		25
63204615	KB120-16R DIN 46234	120	no	17	28	48	22	3		25
63204625	KB150-10R DIN 46234	150	no	10.5	30	50	24	3.2		25
63204635	KB150-12R DIN 46234	150	no	13	30	50	24	3.2		25
63204645	KB150-16R DIN 46234	150	no	17	30	50	24	3.2		25
63204655	KB185-10R DIN 46234	185	no	10.5	36	50	28	3.5		20
63204665	KB185-12R DIN 46234	185	no	13	36	50	28	3.5		20
63204675	KB185-16R DIN 46234	185	no	17	36	50	28	3.5		20
63204685	KB240-10R DIN 46234	240	no	10.5	38	56	32	4		10
63204695	KB240-12R DIN 46234	240	no	13	38	56	32	4		10
63204705	KB240-16R DIN 46234	240	no	17	38	56	32	4		10

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



Panel connectors insulated



Benefits

- 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

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000516
ETIM 5.0/6.0 Class-Description: Round or flat plug/receptacle



Material

Brass tin-plated
Polycarbonate insulation



Temperature range

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

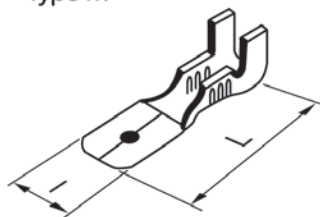
Article number	Article designation	For mm²	UL certification	Footnote	Colour	Blade connection	d mm	L	W mm	Suitable crimp insert	Pieces / PU
Blade receptacle according to DIN 46245 and similar (type H)											
63101020	L-RA 29 H	0.50 - 1.50	yes		red	2.8 x 0.5	3.3	18.5	3.5	PEW 12.060	100
63101010	L-RA 28 H	0.50 - 1.50	yes		red	2.8 x 0.8	3.3	18.5	3.5	PEW 12.060	100
63101030	L-RA 49 H	0.50 - 1.50	yes	1.3	red	4.8 x 0.5	3.7	19	5.7	PEW 12.060	100
63101040	L-RA 48 H	0.50 - 1.50	yes	1.3	red	4.8 x 0.8	3.7	19	5.7	PEW 12.060	100
63101050	L-RA 63 H	0.50 - 1.50	yes		red	6.3 x 0.8	4	20	7.6	PEW 12.060	100
63101060	L-RB 48 H	1.50 - 2.50	yes	1.3	blue	4.8 x 0.5	4.4	19	5.7	PEW 12.060	100
63101070	L-RB 49 H	1.50 - 2.50	yes	1.3	blue	4.8 x 0.8	4.4	19	5.7	PEW 12.060	100
63101080	L-RB 63 H	1.50 - 2.50	yes		blue	6.3 x 0.8	4.5	20	7.6	PEW 12.060	100
63101110	L-RC 63 H	4.00 - 6.00	yes		yellow	6.3 x 0.8	6.4	24	7.6	PEW 12.060	100
63101120	L-RC 95 H	4.00 - 6.00	no		yellow	9.5 x 1.2	6.2	31	11	PEW 12.060	100
Blade connector (type M)											
63103010	L-RA 63 M	0.50 - 1.50	yes		red	6.3 x 0.8	4	22		PEW 12.060	100
63103020	L-RB 63 M	1.50 - 2.50	yes		blue	6.3 x 0.8	4.5	22		PEW 12.060	100
63103040	L-RC 63 M	4.00 - 6.00	yes	1.3	yellow	6.3 x 0.8	6.3	25		PEW 12.060	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	PEW 12.060	100
63102020	L-RB 63 T	1.50 - 2.50	no	1.3	blue	6.3 x 0.8	4.3	22	7.5	PEW 12.060	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	PEW 12.060	100
61794952	L-RA 28 V	0.50 - 1.50	yes	2.3	red	2.8 x 0.8	3.8	19.3	5	PEW 12.060	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	PEW 12.060	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	PEW 12.060	100
61794960	L-RA 63 V	0.50 - 1.50	yes		red	6.3 x 0.8	4.4	21	8.8	PEW 12.060	100
61794969	L-RB 48 V	1.50 - 2.50	yes	2.3	blue	4.8 x 0.8	4.3	20	7.4	PEW 12.060	100
61794970	L-RB 63 V	1.50 - 2.50	yes		blue	6.3 x 0.8	4.5	21	8.8	PEW 12.060	100
61794971	L-RC 63 V	4.00 - 6.00	yes	2.3	yellow	6.3 x 0.8	5.3	26	9	PEW 12.060	100

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

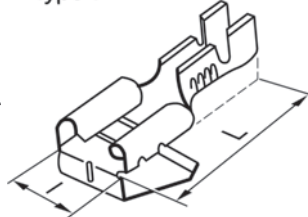
Panel connectors non-insulated



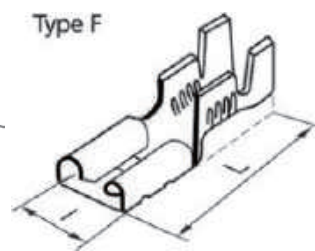
Type M



Type T



Type F



Benefits

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

Note

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

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000516
ETIM 5.0/6.0 Class-Description: Round or flat plug/receptacle



Material

Brass tin-plated



Temperature range

Temperature range up to +90°C

Article number	Article designation	For mm ²	UL certification	Blade connection	I	L	Suitable crimp insert	Pieces / PU
Blade receptacle according to DIN 46247								
63501060	L-BA 285 F	0.50 - 1.00	no	2.8 x 0.5	5	12.7	PEW 12.045	100
63501070	L-BA 288 F	0.50 - 1.00	no	2.8 x 0.8	5	12.7	PEW 12.045	100
63501080	L-BA 485 F	0.75 - 1.50	no	4.8 x 0.5	6.4	16	PEW 12.838	100
63501090	L-BA 488 F	0.75 - 1.50	no	4.8 x 0.8	6.4	16	PEW 12.838	100
63501120	L-BA 638 F	0.75 - 1.50	no	6.3 x 0.8	7.6	19	PEW 12.050	100
63501130	L-BB 638 F	1.50 - 2.50	no	6.3 x 0.8	7.6	19	PEW 12.050	100
63501140	L-BC 638 F	4.00 - 6.00	no	6.3 x 0.8	7.6	19	PEW 12.050	100
Blade receptacle with branching								
63501150	L-BA 638 T	0.50 - 1.50	no	6.3 x 0.8	7.5	19	PEW 12.050	100
Panel connectors (Plugs)								
63501071	L-BA 288 M	0.50 - 1.00	no	2.8 x 0.8	5.5	13	PEW 12.045	100
63501520	L-BA 638 M	0.50 - 1.00	no	6.3 x 0.8	8	19	PEW 12.050	100
63501530	L-BB 638 M	1.50 - 2.50	no	6.3 x 0.8	8	19	PEW 12.050	100

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

Similar products

- Panel connectors with latch refer to page 977

Panel connectors with latch



Benefits

- For electrical connection of different components

Note

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

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- Crimping inserts for PEW 12 system refer to page 984

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000516
ETIM 5.0/6.0 Class-Description: Round or flat plug/receptacle



Material

BM 638 M + B 638 F: brass blank
BM-C 638 M + B-C 638 F: brass tinned



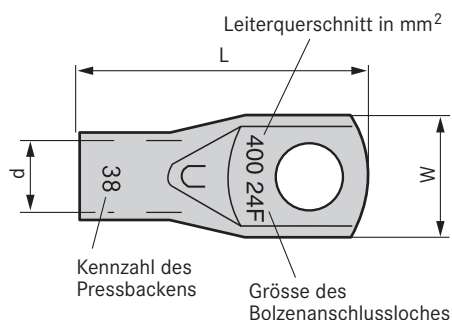
Temperature range

Type M: max. +90 °C
Type F: max. +110 °C

Article number	Article designation	For mm²	UL certification	Blade connection	I	L	Suitable crimp insert	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	PEW 12.050	100
63501022	BM-C 638 M	4.00 - 6.00	no	6.3 x 0.8	16	28	PEW 12.050	100
Blade receptacle with locking notch (type F)								
63501010	B 638 F	1.50 - 2.50	no	6.3 x 0.8	7.5	19	PEW 12.743	100
63501012	B-C 638 F	4.00 - 6.00	no	6.3 x 0.8	7.5	19	PEW 12.745-1	100

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

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 an 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, 5 and 6) 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 EN-IEC 61238:1, BS 4579:1 and VDE 0220:1
- UL file number: E205350 (see table)

Suitable tools

- T 2288 pressing pliers refer to page 980
- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981
- Die holders for system 1311 refer to page 981
- Dies for system 1311 and 1300 refer to page 982

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC001051
ETIM 5.0/6.0 Class-Description: Tube cable lug for copper conductors

Material
Tinned electrolytic 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

Article number	Article designation	Screw hole Ø (mm)	UL certification	Length (mm)	Pressing dies	d mm	W mm	Pieces / PU
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
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

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

Similar products

- Solderless cable lugs KB refer to page 973

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



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000168
ETIM 5.0/6.0 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 and graphics 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



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000168
ETIM 5.0/6.0 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 and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- PVX 1300 pressing pliers battery-operated refer to page 981

Accessories

- Die holders for system 1311 refer to page 981
- Dies for system 1311 and 1300 refer to page 982



PVX 1300 pressing pliers battery-operated



Info

- NEW: two-stage DUAL crimping technique (first hexagonal pressing, then additional mandrel pressing)



Benefits

- Pressure strength control using pressure monitoring
- Buzzing signal and flashing light if right pressure is not achieved
- Display with information on the tool and service interval
- Single-handed operation for easy handling
- Rapid feed for more efficient crimping

Application range

- Battery powered crimp tool for crimping of CU terminals KRF/KRT 10-400 mm²
- Same accessories as V1311-A pliers

Product features

- Crimps/charge: 60-120 depending on size and temperature
- Battery type: Makita 5 Ah
- Charging time: 40 min

Included

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

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000168
ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection



Note

Crimping profile: DUAL (hexagonal + mandrel) or hexagonal
Pressing force: 124 kN (13 t)

Article number	Article designation
PVX 1300 pressing pliers battery-operated	
61813872	Crimping tool PVX 1300

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

Accessories

- Die holders for system 1311 refer to page 981
- Dies for system 1311 and 1300 refer to page 982

Die holders for system 1311

Application range

- Both the inner die holder V1316 and the outer die holder V1318 is needed

Note

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

Suitable tools

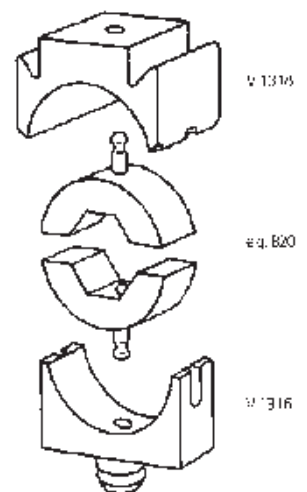
- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC001282
ETIM 5.0/6.0 Class-Description: Insert for crimp tool cable lugs, cable end sleeves, screen connection

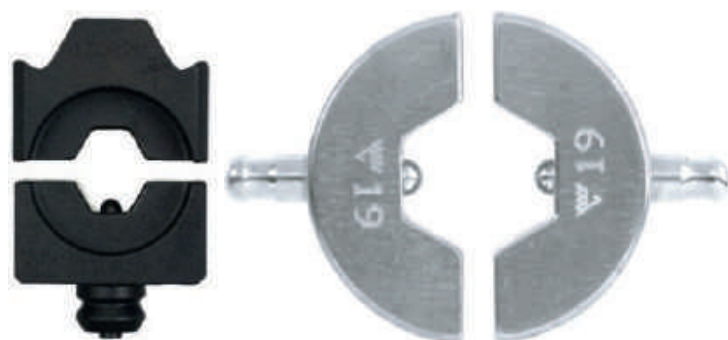


Article number	Article designation	Dies per PU	PU
Die holders for system 1311			
61795941	V 1316 inner die-holder	1	1
61795942	V 1318 outer die-holder	1	1

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



Dies for system 1311 and 1300



Info

- NEW: two-stage DUAL crimping technique (first hexagonal pressing, then additional mandrel pressing)

Application range

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

Included

- Pressing dies 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.

Suitable tools

- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC001282
ETIM 5.0/6.0 Class-Description: Insert for crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article designation	For KRT/KST mm ²	For KRF/KSF mm ²	PU
Pressing dies DUAL				
61795982	13DB8		10	1
61795983	13DB9		16	1
61795984	13DB11		25	1
61813899	13DB13		35	1
61795952	13DB14,5		50	1
61795985	13DB17		70	1
61813874	13DB20		95	1
61813871	13DB22		120	1
61795986	13DB25		150	1
61813873	13DB27		185	1
61795987	13DB30		240	1
61795988	13DB32		300	1
Pressing dies hexagonal				
61795950	B7	10		1
61795951	B8		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
61796020	B19	120		1
61796021	B20		95	1
61796030	B22	150	120	1
61796031	B24	185		1
61796032	B25		150	1
61796043	13B26	240		1
61796047	13B27		185	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 and graphics are not to scale and do not represent detailed images of the respective products.

PEW 12 universal tool



Benefits

- Parallel jaw closing
- Ergonomic handles
- One or two-hand operation
- Inserts are easily changeable

Application range

- Compatible with most of the crimping dies for the PEW 12 system (see product description of the crimping dies)
- Crimping of almost all crimped connections with conductor cross-sections 0.08-95 mm²

Product features

- Version PEW 12S has a larger opening angle and is therefore intended for the larger PEW 12S crimping dies (see item description of the crimping dies)

Included

- Crimping tool will be delivered without case and without inserts
- Empty case includes placeholders for 15 crimping dies and 4 locators

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000168 ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection
	Colour delivered Burnished Chrome-plated pressing pliers available upon request (article no. 61813800)

Article number	Article designation	Pieces / PU
Pliers		
61813807	PEW 12 without inserts	1
61814610	PEW 12S without inserts	1
61813819	Case for PEW 12	1

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

Accessories

- Crimping inserts for PEW 12 system refer to page 984

E-PEW 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 most of the crimping dies for the PEW 12 system (see product description of the crimping dies)
- Crimping of almost all crimped connections with conductor cross-sections 0.08-95 mm²
- Various applications in the cable assembly

Included

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

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000168 ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection
	Colour delivered Black

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

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

Accessories

- Crimping inserts for PEW 12 system refer to page 984



Crimping inserts for PEW 12 system



Benefits

- Product code is engraved on the upper and on the lower part of the die set
- Inserts are easily changeable

Note

- High flexibility: Interchangeable inserts that fit into either the PEW 12 / PEW 12S manual crimping tool, the E-PEW 12 electric crimping tool or the CM 25-1 crimping machine (compatibility see table)

Included

- Crimping dies are delivered without tool

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983



Info

- Extended portfolio

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC001282
ETIM 5.0/6.0 Class-Description: Insert for crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article designation	Suitable for:	Pressing range (mm ²)	Crimping profile	Shield Ø (mm)	PEW 12	PEW 12S	E-PEW	CM 25-1	Pieces / PU
Insulated and non-insulated conductors end sleeves										
61813802	PEW 12.090		0,5 - 6,0	trapezoid		x		x	x	1
61813803	PEW 12.091		10,0 - 25,0	w-pressing		x		x	x	1
61813993	PEW 12.331		35,0 - 50,0	w-pressing		x		x		1
61813911	PEW 12S.093		70	w-pressing			x	x		1
61813912	PEW 12S.094		95	w-pressing			x	x		1
TWIN end sleeves										
61813913	PEW 12.090-6		2x0,5 - 2x4	trapezoid pressing		x		x	x	1
61815642	PEW 12.097		2x6 - 2x16	w-pressing		x		x	x	1
Insulated cable lugs and panel connectors										
61813914	PEW 12.064		0,14 - 1	conical ISO crimp		x		x		1
61813812	PEW 12.060		0,5 - 6,0	conical ISO crimp		x		x		1
Non-insulated cable lugs										
61813916	PEW 12.1071		0,5 - 10	w-pressing		x		x	x	1
61813862	PEW 12.033		16 - 25	mandrel pressing		x		x	x	1
Non-insulated panel connectorsX										
61814600	PEW 12.045	Tab width 2.8	0,1 - 2,5	roller pressing		x		x		1
61814601	PEW 12.045 Locator	Tab width 2.8	0,1 - 2,5			x		x	x	1
61813991	PEW 12.838	Tab width 4.8	0,5 - 1,5	roller pressing		x		x	x	1
61813992	PEW 12.838 Locator	Tab width 4.8	0,5 - 1,5			x		x	x	1
61813808	PEW 12.050	Tab width 6.3	0,5 - 6,0	roller pressing		x		x	x	1
61815643	PEW 12.743	Tab width 6.3	1,5 - 2,5	roller pressing		x		x	x	1
61815644	PEW 12.743 Locator	Tab width 6.3	1,5 - 2,5			x		x	x	1
61815645	PEW 12.745-1	Tab width 6.3	4 - 6	roller pressing		x		x	x	1
61815646	PEW 12.745-1 Locator	Tab width 6.3	4 - 6			x		x	x	1
One piece screen connectors RSK										
61815635	PEW 12.1448 / 101 A	RSK 5101		Special crimping profile	1.27-1.79	x		x		1
61815636	PEW 12.1449 / 101 B	RSK 5101		Special crimping profile	1.80-2.28	x		x		1
61815637	PEW 12.1450 / 201 C	RSK 5201		Special crimping profile	2.29-2.55	x		x		1
61815638	PEW 12.1341 / 201 D	RSK 5201		Special crimping profile	2.56-3.00	x		x		1
61815639	PEW 12.1451 / 201 E	RSK 5201		Special crimping profile	3.01-3.34	x		x		1
61815640	PEW 12.1452 / 201 F	RSK 5201		Special crimping profile	3.35-3.65	x		x		1
61815641	PEW 12.1453 / 301 G	RSK 5301		Special crimping profile	3.66-4.13	x		x		1
61813869	PEW 12.374 / 301 H	RSK 5301		Special crimping profile	4.14-4.71	x		x		1
61813868	PEW 12.373 / 301 J	RSK 5301		Special crimping profile	4.72-5.12	x		x		1
61813864	PEW 12.599 / 401 K	RSK 5401		Special crimping profile	5.13-5.86	x		x		1
61813865	PEW 12.375 / 401 L	RSK 5401		Special crimping profile	5.87-6.36	x		x		1
61813866	PEW 12.354 / 401 M	RSK 5401		Special crimping profile	6.37-7.00	x		x		1
61813867	PEW 12.619 / 401 N	RSK 5401		Special crimping profile	7.01-7.62	x		x		1
Two-part screen connectors SHIELD-KON®										
61813881	PEW 12.1425 SK	GSC 101 / 128 / 149 / 156 / 175		Hexagonal pressing		x		x		1
61813882	PEW 12.1426 SK	GSC 187 / 194 / 199 / 205 / 219 / 225 / 232		Hexagonal pressing		x		x		1
61813883	PEW 12.1427 SK	GSC 261 / 275 / 281 / 287 / 297		Hexagonal pressing		x		x		1
61813884	PEW 12.1428 SK	GSC 312 / 327 / 348		Hexagonal pressing		x		x		1
61813885	PEW 12.1429 SK	GSC 359 / 375		Hexagonal pressing		x		x		1
61813886	PEW 12.1430 SK	GSC 405 / 415 / 425		Hexagonal pressing		x		x		1
61813887	PEW 12S.1440 SK	GSC 460 / 500		Hexagonal pressing			x	x		1

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RSK one-piece screen connector



Benefits

- The four sizes can be identified by the different colours of the connectors
- Gauge helps to find out the appropriate connector and crimping insert (stripped cable with screen is placed in the hole)
- Reduced installation time

Application range

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

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

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- PEW 12 Crimping inserts for SHIELD-KON® screen connectors refer to page 988

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002650 ETIM 5.0/6.0 Class-Description: Connection for screened wires
	Material Tinned electrolyte copper Insulation: laminated polyester
	Temperature range -65°C to +125°C

Article number	Article designation	Colour	Shield Ø (mm)	Suitable crimp insert	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
RSK gauge					
61753760	RSK gauge				1

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Similar products

- SHIELD-KON® two-part screen connector refer to page 986

Accessories

- RSK-FLAG connector refer to page 985

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 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

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000490 ETIM 5.0/6.0 Class-Description: Accessories for earthing and lightning
	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

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SHIELD-KON® two-part screen connector



Info

- Consists of inner and outer sleeve

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

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983
- PEW 12 Crimping inserts for SHIELD-KON® screen connectors refer to page 988

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002650

ETIM 5.0/6.0 Class-Description:
Connection for screened wires



Material

Bronze
Galvanically galvanized



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)	Suitable crimp insert	Nest	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	PEW 12.1425 SK	19	100
61749820	GSC 128	blue	3.25 x 3.86	PEW 12.1425 SK	00	100
61749830	GSC 149	purple	3.78 x 4.54	PEW 12.1425 SK	01	100
61749840	GSC 156	yellow	3.96 x 4.90	PEW 12.1425 SK	02	100
61749850	GSC 175	blue	4.40 x 5.46	PEW 12.1425 SK	03	100
61749860	GSC 187	orange	4.75 x 5.76	PEW 12.1426 SK	6	100
61749870	GSC 194	red	4.93 x 5.79	PEW 12.1426 SK	6	100
61749880	GSC 199	silver	5.05 x 5.97	PEW 12.1426 SK	6	100
61749890	GSC 205	yellow	5.20 x 6.22	PEW 12.1426 SK	8	100
61749900	GSC 219	green	5.56 x 6.35	PEW 12.1426 SK	8	100
61749910	GSC 225	purple	5.71 x 6.50	PEW 12.1426 SK	9	100

Article number	Article designation	Colour	Inner x outer sleeve Ø (mm)	Suitable crimp insert	Nest	Pieces / PU
61749920	GSC 232	orange	5.90 x 6.70	PEW 12.1426 SK	10	100
61749930	GSC 261	yellow	6.63 x 7.54	PEW 12.1427 SK	11	100
61749940	GSC 275	silver	6.98 x 7.77	PEW 12.1427 SK	12	100
61749950	GSC 281	purple	7.14 x 8.40	PEW 12.1427 SK	14	100
61749960	GSC 287	blue	7.29 x 8.30	PEW 12.1427 SK	14	100
61749970	GSC 297	green	7.54 x 8.50	PEW 12.1427 SK	14	100
61749980	GSC 312	yellow	7.95 x 9.20	PEW 12.1428 SK	15	100
61749990	GSC 327	silver	8.30 x 9.45	PEW 12.1428 SK	16	100
61750000	GSC 348	orange	8.84 x 9.98	PEW 12.1428 SK	17	100
61750010	GSC 359	purple	9.12 x 10.13	PEW 12.1429 SK	50	100
61750020	GSC 375	yellow	9.52 x 10.30	PEW 12.1429 SK	51	100
61750030	GSC 405	red	10.28 x 11.50	PEW 12.1430 SK	52	100
61750040	GSC 415	blue	10.54 x 11.76	PEW 12.1430 SK	52	100
61750050	GSC 425	silver	10.80 x 12.06	PEW 12.1430 SK	54	100
61750060	GSC 460	silver	11.68 x 12.95	PEW 12S.1440 SK	56	100
61750070	GSC 500	green	12.70 x 14.60	PEW 12S.1440 SK	57	100

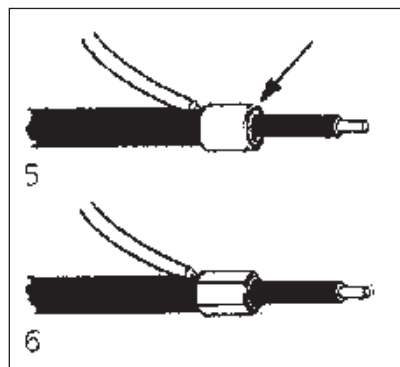
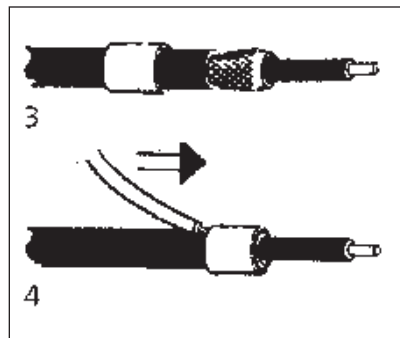
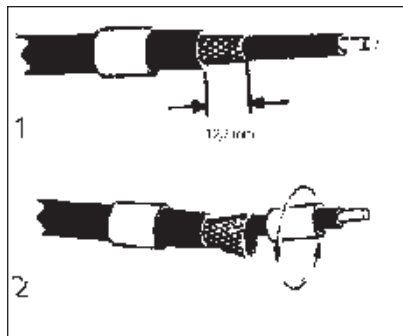
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SHIELD-KON® two-part screen connector

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.

PEW 12 Crimping inserts for SHIELD-KON® screen connectors



Benefits

- Product code is engraved on the upper and on the lower part of the die set
- Inserts are easily changeable
- Parallel jaw closing
- One or two-hand operation

Application range

- Crimping of RSK One-piece screen connectors and SHIELD-KON Two-part screen connectors

Note

- High flexibility: Interchangeable inserts that fit into either the PEW 12 / PEW 12S manual crimping tool, the E-PEW 12 electric crimping tool or the CM 25-1 crimping machine (compatibility see table)

Included

- Crimping dies are delivered without tool

Suitable tools

- PEW 12 universal tool refer to page 983
- E-PEW 12 universal tool refer to page 983

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC001282
ETIM 5.0/6.0 Class-Description: Insert for crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article designation	Crimping profile	Shield Ø (mm)	Suitable connectors	Pieces / PU
One piece screen connectors RSK					
61815635	PEW 12.1448/101 A	Special crimping profile	1.2-1.7	RSK 5101	1
61815636	PEW 12.1449/101 B	Special crimping profile	1.8-2.2	RSK 5101	1
61815637	PEW 12.1450/201 C	Special crimping profile	2.2-2.5	RSK 5201	1
61815638	PEW 12.1341/201 D	Special crimping profile	2.5-3.0	RSK 5201	1
61815639	PEW 12.1451/201 E	Special crimping profile	3.0-3.3	RSK 5201	1
61815640	PEW 12.1452/201 F	Special crimping profile	3.3-3.6	RSK 5201	1
61815641	PEW 12.1453/301 G	Special crimping profile	3.6-4.1	RSK 5301	1
61813869	PEW 12.374/301 H	Special crimping profile	4.1-4.7	RSK 5301	1
61813868	PEW 12.373/301 J	Special crimping profile	4.7-5.1	RSK 5301	1
61813864	PEW 12.599/401 K	Special crimping profile	5.1-5.8	RSK 5401	1
61813865	PEW 12.375/401 L	Special crimping profile	5.8-6.3	RSK 5401	1
61813866	PEW 12.354/401 M	Special crimping profile	6.3-7.0	RSK 5401	1
61813867	PEW 12.619/401 N	Special crimping profile	7.0-7.6	RSK 5401	1
Two-part screen connectors SHIELD-KON®					
61813881	PEW 12.1425 SK	Hexagonal pressing		GSC 101 / 128 / 149 / 156 / 175	1
61813882	PEW 12.1426 SK	Hexagonal pressing		GSC 187 / 194 / 199 / 205 / 219 / 225 / 232	1
61813883	PEW 12.1427 SK	Hexagonal pressing		GSC 261 / 275 / 281 / 287 / 297	1
61813884	PEW 12.1428 SK	Hexagonal pressing		GSC 312 / 327 / 348	1
61813885	PEW 12.1429 SK	Hexagonal pressing		GSC 359 / 375	1
61813886	PEW 12.1430 SK	Hexagonal pressing		GSC 405 / 415 / 425	1
61813887	PEW 12S.1440 SK	Hexagonal pressing		GSC 460 / 500	1

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Temflex™ 1500 insulating tape

Benefits

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

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

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000128
ETIM 5.0/6.0 Class-Description:
Adhesive tape

Note
Ultimate elongation: 170 %
Tear strength: 20 N / 10 mm

Info
Thickness: 0.15 mm

Material
PVC

Test voltage
Dielectric strength: 40 kV/mm

Temperature range
0 °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 and graphics 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

	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	12.0 x 12.0 x 0.1	PTFE	10

Photographs and graphics 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

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002254 ETIM 5.0/6.0 Class-Description: Cable insulation hose
	Note Dielectric strength: 18 kV/mm
	Material Silicone UV-resistant
	Temperature range -60°C up to +220°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 and graphics are not to scale and do not represent detailed images of the respective products.

Insulating tube ISY

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



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002254
ETIM 5.0/6.0 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

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Copper braid

Application range

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

Design

- Variable diameter by tightening the braid

Included

- Are delivered in 2 pieces with 50 m each

Suitable conduits

- SILVYN® EMC AS-CU Page 867

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC001182
ETIM 5.0/6.0 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	mm²	Diameter in mm	Number of wires x Ø (mm)	Copper index (kg/km)	PU (m)
Copper braid						
61721370	CU 14	1.32	1 - 4	24 x 7 x 0,1	13.2	100
61721380	CU 410	4.14	4 - 10	24 x 22 x 0,1	41.4	100
61721390	CU 1020	8.29	10 - 20	48 x 22 x 0,1	81.9	100
61721395	CU 2050	18.1	20 - 50	48 x 12 x 0,2	183	100

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



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



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000128
ETIM 5.0/6.0 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 Ω



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

Accessories

- SKINTOP® MS-HF-M SC refer to page 701
- SKINTOP® MS-SC-M refer to page 695
- SKINTOP® MS-SC refer to page 776

Shrink tube PROTECT Box / Shrink tube PROTECT



Info

- Thin walled



Shrink tube PROTECT Box



Shrink tube PROTECT

Benefits

- Flexible
- Excellent physical and mechanical properties
- Approved for the use in North America and Canada

Application range

- Insulation, protection and cable bundling
- Green-yellow shrink tube: For identifying and marking earthing connectors and cables

Product features

- Flame-retardant (except colour: clear)
- Silicone-free
- UV-resistant (only colour: black)

Norm references / Approvals

- UL 224 approval (except colour: transparent)
- UL file no.: E476215 (except colour: transparent)

Note

- Not resistant against engine oils

Included

Shrink tube PROTECT Box

- Stackable boxes for easy storage

Shrink tube PROTECT

- Plastic bag with 1.22 m units

Suitable tools

- HG 2320 hot-air pistol

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000217
ETIM 5.0/6.0 Class-Description: Shrink tubing



On request

Other colours are available upon request



Note

Thin walled
Dielectric strength: 20 kV/mm



Info

Shrinking ratio: 2:1



Colour delivered

Black
Transparent
Green-yellow



Material

Cross-linked polyolefin



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 Box						
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	0,77	5	1
61742433	PROTECT Box 25,4/12,7 BK	black	25.4 - 12.7	0,89	3	1
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 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	30.5	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
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

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Shrink tube PROTECT-HF



Info

- Thin walled
- Halogen-free

Benefits

- Flexible
- Halogen-free products do not develop corrosive or toxic gases in the event of a fire, are flame-retardant, show little fire propagation and develop only little smoke
- PROTECT-HF RW: Can be flattened for marking purposes, suitable for railway applications

Application range

- Insulation, protection and cable bundling
- Green-yellow shrink tube: For identifying and marking earthing connectors and cables
- PROTECT-HF RW: For railway applications and marking systems

Product features

- Halogen-free
- Good chemical resistance
- Flame retardant
- Silicone-free
- UV-resistant (only colour: black)

Norm references / Approvals

- PROTECT-HF / Box: Flammability class FMVSS 302
- PROTECT-HF RW: Flammability class ASTM D 635-HB, Railway normative (BS-6853 (1999) Vehicle category 1A, EN 45545-2 HL 3, LUL 1-085 A3), Boeing BSS 7239 toxic gas generation M7

Included

- PROTECT-HF Box: Stackable boxes for easy storage
- PROTECT-HF: Plastic bag with 1.22 m units
- PROTECT-HF RW: Delivered on spool

Suitable tools

- HG 2320 hot-air pistol

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000217
ETIM 5.0/6.0 Class-Description: Shrink tubing



On request

Other colours are available upon request



Note

Thin walled
Dielectric strength: 20 kV/mm



Info

Shrinking ratio: 2:1



Colour delivered

Black, Green-yellow, Yellow, White



Material

Polyolefin



Temperature range

Shrinking temperature: +90°C
PROTECT-HF / Box: -30 °C to +105 °C
PROTECT-HF RW: -55°C to +105°C

Article number	Article description	Colour	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	PU (m)	PU
Shrink tube PROTECT-HF Box						
61742489	PROTECT-HF Box 1,2/0,6 BK	black	1.2 - 0.6	0,41	15	1
61742490	PROTECT-HF Box 1,6/0,8 BK	black	1.6 - 0.8	0,43	15	1
61742491	PROTECT-HF Box 2,4/1,2 BK	black	2.4 - 1.2	0,51	15	1
61742492	PROTECT-HF Box 3,2/1,6 BK	black	3.2 - 1.6	0,51	15	1
61742493	PROTECT-HF Box 4,8/2,4 BK	black	4.8 - 2.4	0,51	12	1
61742494	PROTECT-HF Box 6,4/3,2 BK	black	6.4 - 3.2	0,65	12	1
61742495	PROTECT-HF Box 9,5/4,7 BK	black	9.5 - 4.7	0,65	10	1
61742496	PROTECT-HF Box 12,7/6,4 BK	black	12.7 - 6.4	0,65	8	1
61742497	PROTECT-HF Box 19,1/9,5 BK	black	19.1 - 9.5	0,77	5	1
61742498	PROTECT-HF Box 25,4/12,7 BK	black	25.4 - 12.7	0,89	3	1
Shrink tube PROTECT-HF						
61742472	PROTECT-HF 1,2/0,6 BK	black	1.2 - 0.6	0,41	61	1
61742473	PROTECT-HF 1,6/0,8 BK	black	1.6 - 0.8	0,43	61	1
61742474	PROTECT-HF 2,4/1,2 BK	black	2.4 - 1.2	0,51	61	1
61742475	PROTECT-HF 3,2/1,6 BK	black	3.2 - 1.6	0,51	61	1
61742476	PROTECT-HF 4,8/2,4 BK	black	4.8 - 2.4	0,51	61	1
61742477	PROTECT-HF 6,4/3,2 BK	black	6.4 - 3.2	0,65	30.5	1
61742478	PROTECT-HF 9,5/4,7 BK	black	9.5 - 4.7	0,65	30.5	1
61742479	PROTECT-HF 12,7/6,4 BK	black	12.7 - 6.4	0,65	30.5	1
61742480	PROTECT-HF 19,1/9,5 BK	black	19.1 - 9.5	0,77	30.5	1
61742481	PROTECT-HF 25,4/12,7 BK	black	25.4 - 12.7	0,89	18.3	1
61742482	PROTECT-HF 3,2/1,6 GN/YE	green-yellow	3.2 - 1.6	0,51	61	1
61742483	PROTECT-HF 4,8/2,4 GN/YE	green-yellow	4.8 - 2.4	0,51	61	1
61742484	PROTECT-HF 6,4/3,2 GN/YE	green-yellow	6.4 - 3.2	0,65	30.5	1
61742485	PROTECT-HF 9,5/4,7 GN/YE	green-yellow	9.5 - 9.5	0,65	30.5	1
61742486	PROTECT-HF 12,7/6,4 GN/YE	green-yellow	12.7 - 6.4	0,65	30.5	1
61742487	PROTECT-HF 19,1/9,5 GN/YE	green-yellow	19.1 - 9.5	0,77	30.5	1
61742488	PROTECT-HF 25,4/12,7 GN/YE	green-yellow	25.4 - 12.7	0,89	18.3	1

Article number	Article description	Colour	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	PU (m)	PU
Shrink tube PROTECT-HF RW						
61742499	PROTECT-HF RW 2,4/1,2 BK	black	2.4 - 1.2	0.43 - 0.6	300	1
61742501	PROTECT-HF RW 3,2/1,6 BK	black	3.2 - 1.6	0.55 - 0.72	300	1
61742502	PROTECT-HF RW 4,8/2,4 BK	black	4.8 - 2.4	0.55 - 0.72	300	1
61742503	PROTECT-HF RW 6,4/3,2 BK	black	6.4 - 3.2	0.65 - 0.8	300	1
61742504	PROTECT-HF RW 9,5/4,7 BK	black	9.5 - 4.7	0.65 - 0.75	150	1
61742505	PROTECT-HF RW 12,7/6,4 BK	black	12.7 - 6.4	0.65 - 0.75	100	1
61742506	PROTECT-HF RW 19,1/9,5 BK	black	19.1 - 9.5	0.7 - 0.85	50	1
61742507	PROTECT-HF RW 25,4/12,7 BK	black	25.4 - 12.7	0.85 - 1.0	50	1
61742508	PROTECT-HF RW 2,4/1,2 WH	white	2.4 - 1.2	0.43 - 0.6	300	1
61742509	PROTECT-HF RW 3,2/1,6 WH	white	3.2 - 1.6	0.55 - 0.72	300	1
61742510	PROTECT-HF RW 4,8/2,4 WH	white	4.8 - 2.4	0.55 - 0.72	300	1
61742511	PROTECT-HF RW 6,4/3,2 WH	white	6.4 - 3.2	0.65 - 0.8	300	1
61742512	PROTECT-HF RW 9,5/4,7 WH	white	9.5 - 4.7	0.65 - 0.75	150	1
61742513	PROTECT-HF RW 12,7/6,4 WH	white	12.7 - 6.4	0.65 - 0.75	100	1
61742514	PROTECT-HF RW 19,1/9,5 WH	white	19.1 - 9.5	0.7 - 0.85	50	1
61742523	PROTECT-HF RW 25,4/12,7 WH	white	25.4 - 12.7	0.85 - 1.0	50	1
61742515	PROTECT-HF RW 2,4/1,2 YE	yellow	2.4 - 1.2	0.43 - 0.6	300	1
61742516	PROTECT-HF RW 3,2/1,6 YE	yellow	3.2 - 1.6	0.55 - 0.72	300	1
61742517	PROTECT-HF RW 4,8/2,4 YE	yellow	4.8 - 2.4	0.55 - 0.72	300	1
61742518	PROTECT-HF RW 6,4/3,2 YE	yellow	6.4 - 3.2	0.65 - 0.8	300	1
61742519	PROTECT-HF RW 9,5/4,7 YE	yellow	9.5 - 4.7	0.65 - 0.75	150	1
61742520	PROTECT-HF RW 12,7/6,4 YE	yellow	12.7 - 6.4	0.65 - 0.75	100	1
61742521	PROTECT-HF RW 19,1/9,5 YE	yellow	19.1 - 9.5	0.7 - 0.85	50	1
61742522	PROTECT-HF RW 25,4/12,7 YE	yellow	25.4 - 12.7	0.85 - 1.0	50	1

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Shrink tube PROTECT-C

i Info
• Double walled



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
- Silicone-free
- UV-resistant

Included

- Plastic bag with 0.6 m units

Suitable tools

- HG 2320 hot-air pistol

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000217 ETIM 5.0/6.0 Class-Description: Shrink tubing
	Note Double-walled 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

Article number	Article description	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	PU (m)	PU
Shrink tube PROTECT-C					
61742449	PROTECT-C 3/1 BK	3.0 - 1.0	1,0	12	1
61742450	PROTECT-C 6/2 BK	6.0 - 2.0	1,1	9	1
61742451	PROTECT-C 9/3 BK	9.0 - 3.0	1,3	6	1
61742452	PROTECT-C 12/4 BK	12.0 - 4.0	1,7	5.4	1
61742453	PROTECT-C 18/6 BK	18.0 - 6.0	2,0	3.6	1
61742454	PROTECT-C 24/8 BK	24.0 - 8.0	2,5	3	1

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Shrink tube PROTECT-M/PROTECT-T



Info

- Medium / thick walled

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

- Adhesive lining bonds to plastic, rubber, neoprene, steel and polyethylene
- Silicone-free
- UV-resistant
- Halogen-free

Included

- Plastic bags with 1.0 m units

Suitable tools

- HG 2320 hot-air pistol

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000217

ETIM 5.0/6.0 Class-Description: Shrink tubing



Note

PROTECT-M: medium wall

PROTECT-T: heavy wall

Dielectric strength: 15 kV/mm



Info

Shrinking ratio: 3:1



Colour delivered

Black



Material

Cross-linked modified polyolefin, with thermoplastic adhesive coating inside



Temperature range

-40°C to +120°C

Shrinking temperature: +110°C

Article number	Article description	Shrinkage range (mm)	Panel thickness, shrunk +/- 0.1 mm	PU (m)	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	2,9	3	1
61742464	PROTECT-M 92/26 BK	92.0 - 26.0	3,15	1	1
Thick wall					
61742455	PROTECT-T 13/3 BK	13.0 - 3.0	2,65	25	1
61742456	PROTECT-T 19/6 BK	19.0 - 6.0	2,65	15	1
61742457	PROTECT-T 45/13 BK	45.0 - 13.0	3,7	5	1
61742458	PROTECT-T 52/15 BK	52.0 - 15.0	4,1	3	1
61742459	PROTECT-T 130/45 BK	130.0 - 45.0	4,2	1	1

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



TEC sealing cap

Benefits

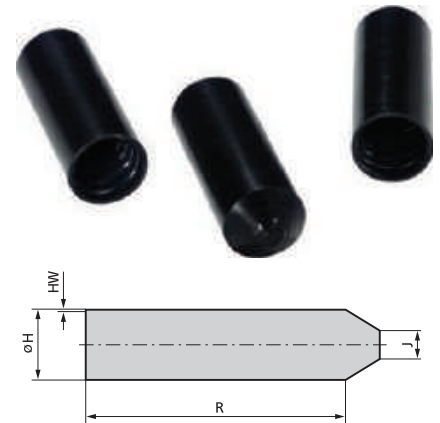
- Secure sealing through thermoplastic adhesive coating on the inside
- Good resistance to chemicals and solvents
- Ensures high tensile strength and mechanical protection

Application range

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

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000218 ETIM 5.0/6.0 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	10
61830070	TEC 148/57	148	57	27	80.0 - 133.0	105	3.3	10

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

Photographs and graphics 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

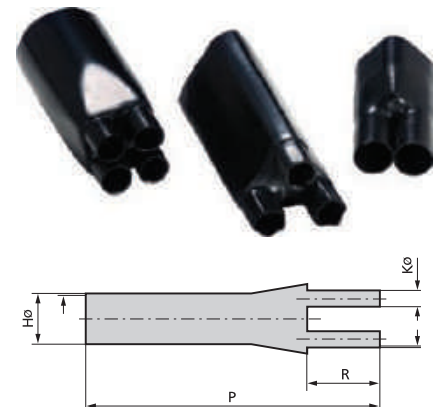
- Insulation and sealing of cable splices

Design

- Double-walled

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC001170 ETIM 5.0/6.0 Class-Description: Branch-splice 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

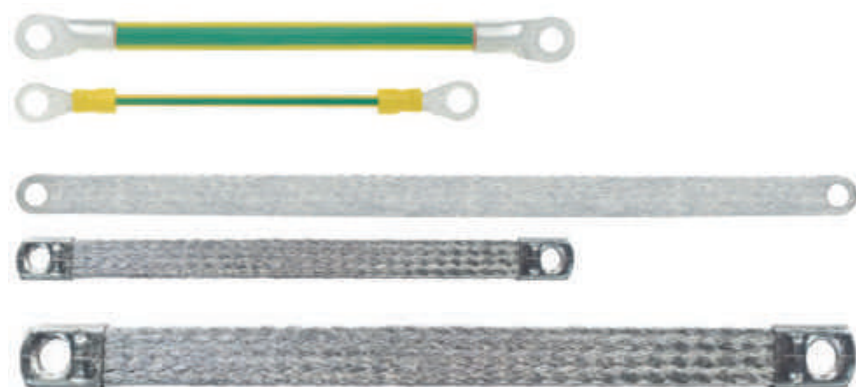


Article number	Article description	Number of cores	H max. (mm)	H min. (mm)	K max. (mm)	K min. (mm)	P* (mm)	R* (mm)	Pieces / PU
TEB branch muff									
61830110	TEB 2-30/12	2	30	12	14	4	93	23	10
61830120	TEB2-60/23	2	60	23	25	7.5	118	29	10
61830130	TEB3-60/24	3	60	24	27	7	165	50	10
61830140	TEB4-40/15	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 and graphics are not to scale and do not represent detailed images of the respective products.

Ground Straps / Flat Ground Straps



Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000490

ETIM 5.0/6.0 Class-Description:

Accessories for earthing and lightning



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

2 x thickness of the strap



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

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

Norm references / Approvals

- UL File number: E501239, see table

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

Article number	Article designation	UL certification	Cross-section (mm ²)	For	Length (mm)	Thickness (mm) ± 0,5 mm	Copper index kg/1.000 pieces	PU
Ground straps								
4571120	Ground strap 1 x 4/M6/170 mm GN/YE	no	4	M6	170		6.5	25
4571123	Ground strap 1x4/M8/300mm GN/YE	no	4	M8	300		11.4	25
4571121	Ground straps 1x16/M6/170mm GN/YE	no	16	M6	170		26.2	25
4571198	Ground strap 1x16/M6/500mm GN/YE	no	16	M6	500		76.8	25
4571124	Ground strap 1x16/M8/300mm GN/YE	no	16	M8	300		46.2	25
4571122	Ground strap 1x25/M6/170mm GN/YE	no	25	M6	170		40.8	25
4571125	Ground strap 1x25/M8/300mm GN/YE	no	25	M8	300		72	25
Pressure-welded flat ground straps								
4571132	Flat ground strap/press. 1X10/M6/200mm	no	10	M6	200	1	18	25
4571135	Flat ground strap/press. 1x10/M6/300mm	no	10	M6	300	1	27	25
70399965	Flat ground strap/press. 1X16/M6/200mm	no	16	M6	200	1.5	30.72	25
70399966	Flat ground strap/press. 1X16/M6/300mm	no	16	M6	300	1.5	46.08	25
4571133	Flat ground strap/press. 1x16/M8/200mm	no	16	M8	200	1.5	29	25
4571136	Flat ground strap/press. 1x16/M8/300mm	no	16	M8	300	1.5	43.5	25
4571134	Flat ground strap/press. 1X25/M8/200mm	no	25	M8	200	1.5	45	25
4571137	Flat ground strap/press. 1x25/M8/300mm	no	25	M8	300	1.5	67.5	25
70399969	Flat ground strap/press. 1X25/M8/500mm	no	25	M8	500	1.5	120	25
Flat ground straps with terminals								
4571196	Flat ground strap/terminals 1x6/M6/200mm	yes	6	M6	200	2	15	25
4571197	Flat ground strap/terminals 1x6/M6/300mm	yes	6	M6	300	2	20	25
4571126	Flat ground straps/terminals 1x10/M6/200mm	yes	10	M6	200	2.5	25	25
4571129	Flat ground strap/terminals 1x10/M6/300mm	yes	10	M6	300	2.5	32	25
4571127	Flat ground strap/terminals 1x16/M8/200mm	yes	16	M8	200	3	35	25
4571130	Flat ground strap/terminals 1x16/M8/300mm	yes	16	M8	300	3	51	25
4571128	Flat ground strap/terminals 1x25/M8/200mm	yes	25	M8	200	3.5	55	25
4571131	Flat ground strap/terminals 1x25/M8/300mm	yes	25	M8	300	3.5	80	25

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

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 and graphics 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

- Article no. 61759940: Winding tool

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002604 ETIM 5.0/6.0 Class-Description: Cable bundle hose
	General Black version: UV-resistant
	Material Black version: polyamide (silikone 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	Bundling area mm	PU (m)
KW plastic coil				
61600010	Plastic spiral KW 2	natural	2.0 - 7.0	50
61600015	Plastic spiral KW 2	black	2.0 - 7.0	50
61722850	Plastic spiral KW 2	blue	2.0 - 7.0	50
61722856	Plastic spiral KW 2	yellow	2.0 - 7.0	50
61600040	Plastic spiral KW 5	natural	5.0 - 20.0	30
61600045	Plastic spiral KW 5	black	5.0 - 20.0	25
61722851	Plastic spiral KW 5	blue	5.0 - 20.0	25
61600050	Plastic spiral KW 5	yellow	5.0 - 20.0	25
61600070	Plastic spiral KW 10	natural	10.0 - 40.0	30
61722840	Plastic spiral KW 10	black	10.0 - 40.0	25
61722852	Plastic spiral KW 10	blue	10.0 - 40.0	25
61600080	Plastic spiral KW 10	yellow	10.0 - 40.0	25

Other sizes and colours are available upon request.

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

Similar products

- Cable-Eater bunched cable conduit refer to page 1000



Cable-Eater bunched cable conduit



Benefits

- Reusable
- Very flexible without material fatigue
- Fast and easy assembly through using the cable insertion tools

Application range

- Bundling and protection for fixed and mobile electrical installations
- Machines
- Robot-building
- Control cabinets
- Office machines and systems for data processing

Product features

- Good UV-resistance
- Good resistance to: alcohols, fats, mineral oils, heating oil and petrol

Included

- Suitable insertion tool
- Bunches cable conduit large PUs on a roll, small PUs in bags with Euro-standard holes



Info

- Now also available as small PUs (2m)

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002604
ETIM 5.0/6.0 Class-Description: Cable bundle hose



Note

Halogen-free
Flame-retardant according to UL 94 HB



Colour delivered

White, black, light grey



Material

Polypropylene (PP)



Temperature range

-30°C to +85°C

Article number	Article description	Colour	Bundling area mm	Inner Ø (mm)	Panel thickness (mm)	Tool	PU (m)
Cable-Eater bunched cable conduit							
61830302	SHR-08-PPW	white	6.0 - 9.0	8	0.8	STKP 8	100
61830312	SHR-15-PPW	white	10.0 - 16.0	15	0.8	STKP 15	50
61830322	SHR-20-PPW	white	17.0 - 21.0	20	0.9	STKP 20/25	30
61830332	SHR-25-PPW	white	21.0 - 28.0	25	1	STKP 20/25	20
61830333	SHR-32-PPW	white	29.0 - 32.0	32	1.3	STKP 32	15
61830300	SHR-08-PPB	black	6.0 - 9.0	8	0.8	STKP 8	100
61830310	SHR-15-PPB	black	10.0 - 16.0	15	0.8	STKP 15	50
61830320	SHR-20-PPB	black	17.0 - 21.0	20	0.9	STKP 20/25	30
61830330	SHR-25-PPB	black	21.0 - 28.0	25	1	STKP 20/25	20
61830335	SHR-32-PPB	black	29.0 - 32.0	32	1.3	STKP 32	15
61830390	SHR-08-PPG	light grey	6.0 - 9.0	8	0.8	STKP 8	100
61830391	SHR-15-PPG	light grey	10.0 - 16.0	15	0.8	STKP 15	50
61830392	SHR-20-PPG	light grey	17.0 - 21.0	20	0.9	STKP 20/25	30
61830393	SHR-25-PPG	light grey	21.0 - 28.0	25	1	STKP 20/25	20
61830394	SHR-32-PPG	light grey	29.0 - 32.0	32	1.3	STKP 32	15
Small PU							
61830401	SHR-15-PPW 2m	white	10.0 - 16.0	15	0.8	STKP 15	2
61830402	SHR-20-PPW 2m	white	17.0 - 21.0	20	0.9	STKP 20/25	2
61830403	SHR-25-PPW 2m	white	21.0 - 28.0	25	1	STKP 20/25	2
61830396	SHR-15-PPB 2m	black	10.0 - 16.0	15	0.8	STKP 15	2
61830397	SHR-20-PPB 2m	black	17.0 - 21.0	20	0.9	STKP 20/25	2
61830398	SHR-25-PPB 2m	black	21.0 - 28.0	25	1	STKP 20/25	2
61830406	SHR-15-PPG 2m	light grey	10.0 - 16.0	15	0.8	STKP 15	2
61830407	SHR-20-PPG 2m	light grey	17.0 - 21.0	20	0.9	STKP 20/25	2
61830408	SHR-25-PPG 2m	light grey	21.0 - 28.0	25	1	STKP 20/25	2

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

Accessories

- Spare tool Cable - Eater refer to page 1000

Spare tool Cable - Eater



Application range

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

Suitable conduits

- SILVYN® SINUS PA6 Page 863

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002604
ETIM 5.0/6.0 Class-Description: Cable bundle hose

Article number	Article description	Bundling area mm	Pieces / PU
Cable Eater tool			
61830340	STKP 8	6.0 - 9.0	1
61830350	STKP 15	10.0 - 16.0	1
61830360	STKP 20 / 25	17.0 - 25.0	1
61830370	STKP 25	21.0 - 28.0	1
61830380	STKP 32	29.0 - 32.0	1

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



Basic Tie cable tie



Benefits

- High resistance to bases, oils, greases, oil derivatives and aromatic solvents
- UV-resistant (black version)

Application range

- Multipurpose cable tie for many applications

Norm references / Approvals

- E-File number: E352714
- Fire behaviour according to UL94 V-2

Suitable tools

- Ty-Gun ERG 50 / Ty-Gun ERG 120 Cable tie pliers refer to page 1009
- BASIC cable tie pliers refer to page 1010

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000046

ETIM 5.0/6.0 Class-Description:

Cable tie



Material

Polyamide 6.6

Halogen-free



Temperature range

-40°C up to +85°C

Installation temperature:

-10°C up to +60°C

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength in N	Pieces / PU
Natural						
61831001	Basic Tie 98x2.5 NAT	yes	98.0 x 2.5	1.0 - 21.0	80.0	100
61831003	Basic Tie 160x2.6 NAT	yes	160.0 x 2.6	1.0 - 40.0	80.0	100
61831004	Basic Tie 200x2.6 NAT	yes	200.0 x 2.6	2.0 - 51.0	80.0	100
61831005	Basic Tie 140x3.5 NAT	yes	140.0 x 3.5	2.5 - 32.0	180.0	100
61831006	Basic Tie 200x3.5 NAT	yes	200.0 x 3.5	3.0 - 50.0	180.0	100
61831007	Basic Tie 290x3.5 NAT	yes	290.0 x 3.5	3.0 - 79.0	180.0	100
61831013	Basic Tie 370x3.5 NAT	yes	370.0 x 3.5	2.0 - 103.0	180.0	100
61831009	Basic Tie 160x4.5 NAT	yes	160.0 x 4.5	2.5 - 38.0	220.0	100
61831011	Basic Tie 200x4.5 NAT	yes	200.0 x 4.5	3.0 - 50.0	220.0	100
61831014	Basic Tie 290x4.5 NAT	yes	290.0 x 4.5	3.5 - 78.0	220.0	100
61831016	Basic Tie 360x4.5 NAT	yes	360.0 x 4.5	3.5 - 100.0	220.0	100
61831020	Basic Tie 240x7.8 NAT	yes	240.0 x 7.8	3.5 - 63.0	540.0	100
61831021	Basic Tie 300x7.5 NAT	yes	300.0 x 7.5	4.0 - 80.0	540.0	100
61831022	Basic Tie 365x7.5 NAT	yes	365.0 x 7.5	8.0 - 100.0	540.0	100
61831023	Basic Tie 450x7.5 NAT	yes	450.0 x 7.5	35.0 - 130.0	540.0	100
61831024	Basic Tie 540x7.5 NAT	yes	540.0 x 7.5	35.0 - 158.0	540.0	100
61831025	Basic Tie 750x7.5 NAT	yes	750.0 x 7.5	35.0 - 220.0	540.0	100
61831026	Basic Tie 780x9.0 NAT	yes	780.0 x 9.0	34.0 - 233.0	700.0	100
Black (UV-resistant)						
61831041	Basic Tie 98x2.5 BK	yes	98.0 x 2.5	1.0 - 21.0	80.0	100
61831043	Basic Tie 160x2.6 BK	yes	160.0 x 2.6	1.0 - 40.0	80.0	100
61831044	Basic Tie 200x2.6 BK	yes	200.0 x 2.6	2.0 - 51.0	80.0	100
61831045	Basic Tie 140x3.5 BK	yes	140.0 x 3.5	2.5 - 32.0	180.0	100
61831046	Basic Tie 200x3.5 BK	yes	200.0 x 3.5	3.0 - 50.0	180.0	100
61831047	Basic Tie 290x3.5 BK	yes	290.0 x 3.5	3.0 - 79.0	180.0	100
61831053	Basic Tie 370x3.5 BK	yes	370.0 x 3.5	2.0 - 103.0	180.0	100
61831049	Basic Tie 160x4.5 BK	yes	160.0 x 4.5	2.5 - 38.0	220.0	100
61831051	Basic Tie 200x4.5 BK	yes	200.0 x 4.5	3.0 - 50.0	220.0	100
61831054	Basic Tie 290x4.5 BK	yes	290.0 x 4.5	3.5 - 78.0	220.0	100
61831056	Basic Tie 360x4.5 BK	yes	360.0 x 4.5	3.5 - 100.0	220.0	100
61831060	Basic Tie 240x7.8 BK	yes	240.0 x 7.8	3.5 - 63.0	540.0	100
61831061	Basic Tie 300x7.5 BK	yes	300.0 x 7.5	4.0 - 80.0	540.0	100
61831062	Basic Tie 365x7.5 BK	yes	365.0 x 7.5	8.0 - 100.0	540.0	100
61831063	Basic Tie 450x7.5 BK	yes	450.0 x 7.5	35.0 - 130.0	540.0	100
61831064	Basic Tie 540x7.5 BK	yes	540.0 x 7.5	35.0 - 158.0	540.0	100
61831065	Basic Tie 750x7.5 BK	yes	750.0 x 7.5	35.0 - 220.0	540.0	100
61831066	Basic Tie 780x9.0 BK	yes	780.0 x 9.0	34.0 - 233.0	700.0	100

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

Similar products

- Ty-Rap® Cable ties with steel nose refer to page 1004
- Ty-Fast® Cable ties refer to page 1002
- Ty-Rap® UV-stabilised cable ties with steel nose refer to page 1004



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 UL94 V-2

Suitable tools

- Ty-Gun ERG 50 / Ty-Gun ERG 120 Cable tie pliers refer to page 1009

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000046
ETIM 5.0/6.0 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	112.0 x 2.4	25.0	80	1000
61810360	TY125-18	yes	136.0 x 2.4	32.0	80	1000
61810380	TY125-40	yes	141.0 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	291.0 x 4.6	76.0	220	1000
61810430	TY400-50	yes	366.0 x 4.6	102.0	220	1000
61810440	TY200-120	yes	219.0 x 7.6	50.0	540	500
61810450	TY400-120	yes	375.0 x 7.6	102.0	540	500
Black (UV-resistant)						
61810460	TY100-18x	yes	112.0 x 2.4	25.0	80	1000
61810470	TY125-18x	yes	136.0 x 2.4	32.0	80	1000
61810490	TY125-40x	yes	141.0 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	291.0 x 4.6	76.0	220	1000
61810540	TY400-50x	yes	366.0 x 4.6	102.0	220	1000
61810550	TY200-120x	yes	219.0 x 7.6	50.0	540	500
61810560	TY400-120x	yes	375.0 x 7.6	102.0	540	500

TY-FAST® is a registered trademark of ABB.

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

Similar products

- Ty-Rap® Cable ties with steel nose refer to page 1004
- Ty-Rap® UV-stabilised cable ties with steel nose refer to page 1004



Detectable Cable ties



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
- Polyamid version: resistant to conventional solvents such as alcohol and ketone, aliphatic and aromatic hydrocarbons such as oil, grease, gasoline and weak alkalis; not resistant to acids (weak or strong) and metallic salts
Polypropylene version: especially resistant against chemical detergents

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

Norm references / Approvals

- Flammability class:
Ty-Rap® NDT: UL 94 V-2
Ty-Rap® PDT and Detect: UL 94 HB
- 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

Suitable tools

- Ty-Gun ERG 50 / Ty-Gun ERG 120 Cable tie pliers refer to page 1009

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000046 ETIM 5.0/6.0 Class-Description: Cable tie
	Colour delivered Blue
	Material Polyamide 6.6 or polypropylene with metal parts Halogen-free and silicone-free
	Temperature range -40°C up to +85°C Installation temperature: -5°C up to +60°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 98x2.5 BU	no	98.0 x 2.5	1.0 - 21.0	80.0	100
61723364	Cable Tie Detect 140x3.5 BU	no	140.0 x 3.5	2.0 - 32.0	180.0	100
61723365	Cable Tie Detect 200x3.5 BU	no	200.0 x 3.5	3.0 - 50.0	180.0	100
61723361	Cable Tie Detect 200x4.5 BU	no	200.0 x 4.5	3.0 - 50.0	220.0	100
61723366	Cable Tie Detect 290x4.5 BU	no	290.0 x 4.5	3.5 - 78.0	220.0	100
61723362	Cable Tie Detect 360x4.5 BU	no	360.0 x 4.5	3.5 - 100.0	220.0	100
61723363	Cable Tie Detect 365x7.5 BU	no	365.0 x 7.5	8.0 - 100.0	540.0	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 - 16.0	80	100
61723359	Cable tie TY-RAP TY524M-NDT	no	140.0 x 3.6	2.0 - 29.0	180.0	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	100
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	100

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Accessories

- Detectable cable tie sockets refer to page 1014

Lloyd's
Register

Ty-Rap® Cable ties with steel nose



Ty-Rap® UV-stabilised cable ties with steel nose



Benefits

- High strength is constant even under harsh conditions: extreme temperature ranges, humidity and extreme cold
- Lock is also resistant to shocks and vibrations
- The steel blade is fixed to the tie head and is made from corrosion-resistant, anti-magnetic steel (type 316)

Application range

Ty-Rap® Cable ties with steel nose

- Good quality cable ties with steel nose for demanding environments

Ty-Rap® UV-stabilised cable ties with steel nose

- Used for outdoor installation and maintenance of power plants

Product features

Ty-Rap® UV-stabilised cable ties with steel nose

- Contain 2 % Carbon to meet military specifications

Norm references / Approvals

- UL file number TY-RAP®: E49405, see table
- Fire behaviour according to UL94 V-2

Included

- 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 1009

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000046

ETIM 5.0/6.0 Class-Description:

Cable tie



Colour delivered

Ty-Rap® Cable ties with steel nose

Natural colour

Ty-Rap® UV-stabilised cable ties with steel nose

Black (RAL 9005), 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
Natural						
61715000	TYB* 23 M	yes	92.0 x 2.3	2.0 - 16.0	80	1000
61716250	TY 232 M	yes	203.0 x 2.3	2.0 - 50.0	80	1000
61716310	TY 234 M	yes	356.0 x 2.3	2.0 - 102.0	80	1000
61715060	TYB* 24 M	yes	140.0 x 3.6	2.0 - 29.0	180	1000
61716370	TY 242 M	yes	208.0 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	yes	186.0 x 4.8	3.5 - 45.0	220	1000
61716490	TY 253 M	yes	290.0 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 6.9	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
Black (UV-resistant)						
61723010	TYB* 23 MX	yes	92.0 x 2.3	2.0 - 16.0	80	1000
61723110	TY 232 MX	yes	203.0 x 2.3	2.0 - 50.0	80	1000
61723120	TY 234 MX	yes	356.0 x 2.3	2.0 - 102.0	80	1000
61723020	TYB* 24 MX	yes	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	284.0 x 3.6	2.0 - 76.0	180	1000
61723140	TY 244 MX	yes	368.0 x 3.6	2.0 - 103.0	180	1000
61723030	TYB* 25 MX	yes	186.0 x 4.8	3.5 - 45.0	220	1000
61723150	TY 253 MX	yes	290.0 x 4.8	3.5 - 78.0	220	1000
61723060	TY 28 MX	yes	361.0 x 4.8	3.5 - 102.0	220	1000
61723160	TY 272 MX	yes	223.0 x 6.9	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	yes	771.0 x 6.9	6.0 - 229.0	540	500

B = box, otherwise plastic bag

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Ty-Rap® Heat-resistant cable ties with steel nose

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000046

ETIM 5.0/6.0 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

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 UL94 V-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 1009

Article number	Article description	UL certification	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	Pieces / PU
Ty-Rap® Heat-resistant cable ties with steel nose						
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	yes	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	yes	771.0 x 6.9	6.0 - 229.0	530	500

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Ty-Rap® 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

Design

- Also deliverable in black and UV-resistant

Suitable tools

- Ty-Gun ERG 50 / Ty-Gun ERG 120 Cable tie pliers refer to page 1009

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000046

ETIM 5.0/6.0 Class-Description:

Cable tie



Colour delivered

Natural colour



Material

Polyamide 6.6

Halogen-free and silicone-free



Temperature range

-40°C to +85°C

Norm references / Approvals

- File number: E49405, see table
- Fire behaviour according to UL94 V-2

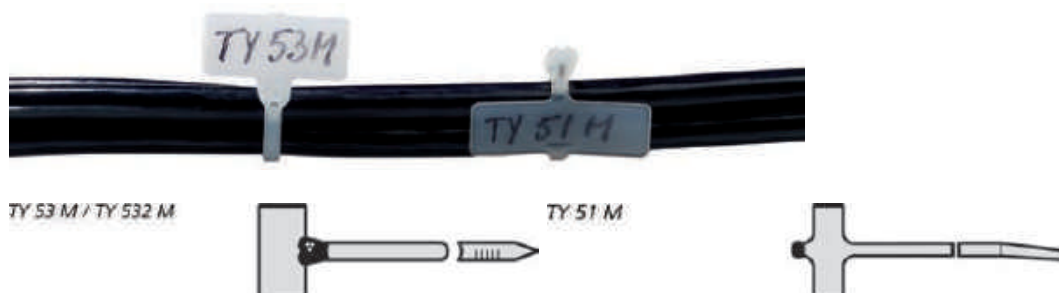
Article number	Article description	UL certification	Hole Ø (mm)	Length x width (mm)	Bundling Ø (mm)	Tensile strength (N)	Pieces / PU
Ty-Rap® Cable tie with steel nose for screwing on							
61715420	TY 33 M	yes	2.8	102.0 x 2.3	2.0 - 16.0	80	1000
61715480	TY 34 M	yes	4.2	151.0 x 3.5	2.0 - 29.0	180	1000
61720000	TY 635 M	yes	3.5	198.0 x 4.7	3.5 - 45.0	220	1000
61715540	TY 35 M	yes	4.8	199.0 x 4.7	3.5 - 45.0	220	1000
61720070	TY 1435 M	yes	6.3	198.0 x 4.7	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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Ty-Rap® Cable ties with steel nose with labelling area



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 UL94 V-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

Suitable tools

- Ty-Gun ERG 50 / Ty-Gun ERG 120 Cable tie pliers refer to page 1009

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000046 ETIM 5.0/6.0 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

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Smaller packing units are available upon request.

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Similar products

- KMK Label holders refer to page 940

Accessories

- MS Marker pens



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

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000046 ETIM 5.0/6.0 Class-Description: Cable tie
	Colour delivered Black (UV-resistant) Red
	Material Polyethylene
	Temperature range -40°C to +70°C



Article number	Article description	Colour	UL certification	Length x width (mm)	Tensile strength (N)	Pieces / PU
Red						
61710040	Quick Tie 120x3.5 RD	red	no	120.0 x 3.5	130.0	100
61710041	Quick Tie 240x3.9 RD	red	no	240.0 x 3.9	180.0	100
61710042	Quick Tie 320x4.4 RD	red	no	320.0 x 4.4	230.0	100
61710180	Quick Tie 500x5.7 RD	red	no	500.0 x 5.7	250.0	100
61710043	Quick Tie 665x6.6 RD	red	no	665.0 x 6.6	370.0	100
Black						
61721101	Quick Tie 120x3.5 BK	black	no	120.0 x 3.5	130.0	100
61721102	Quick Tie 240x3.9 BK	black	no	240.0 x 3.9	180.0	100
61721103	Quick Tie 320x4.4 BK	black	no	320.0 x 4.4	230.0	100
61710190	Quick Tie 500x5.7 BK	black	no	500.0 x 5.7	250.0	100
61721104	Quick Tie 665x6.6 BK	black	no	665.0 x 6.6	370.0	100

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

Similar products

- Ty-Grip® FOL / FO Cable tie
- Flex Tie cable tie refer to page 1007

Info

- Hook and loop ties for flexible use

Benefits

- For easy and quick bundling
- Cable friendly: Prevent injuries of cable outer sheathing
- Could be reused again
- No corrosion, as hook and loop ties are made of organic textiles
- No sharp edges, reduce the risk of injury

Application range

- Bundling of cables and conduits
- Vibration resistant (e.g. robotics)
- Where frequently changes or constant access is required (e.g. event technology, laboratories)

- Bundling of sensitive cables (e.g. fiber optic cables, data cables)

Norm references / Approvals

- Fire behaviour according to UL 94 V2, see table

Design

- Tie: With slotted head
- Roll: Endless roll à 25m to cut individually
- Strap: Made of hook and separate loop, with buckle

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000046 ETIM 5.0/6.0 Class-Description: Cable tie
	Colour delivered Black
	Material Tie + Roll: PP and Velour PA Strap: PA 6, PA 6.6., PU coating



Flex Tie cable tie



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



LS steel cable ties



Info

- LS 4.6x100 included in FLEXIMARK® sample bag (article no. M3251010)

Benefits

- Acid-resistant
- Excellent chemical resistance
- High-temperature resistant
- Secure ball lock, self-locking
- Minimum space required due to the flat binder heads

Application range

- For fixing FLEXIMARK® stainless steel marking
- Could be used in any industry with a demanding environment (e.g. oil & gas, railways, F&B)
- Outdoor applications and usage under the most extreme conditions, as corrosion and weathering resistant

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 1010

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000046
ETIM 5.0/6.0 Class-Description:
Cable tie



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 4.6x100	100.0 x 4.6	21.0	45.3	100
61812948	LS 4.6x125	125.0 x 4.6	32.0	45.3	100
61812949	LS 4.6x150	150.0 x 4.6	40.0	45.3	100
61812950	LS 4.6x200	200.0 x 4.6	51.0	45.3	100
61812960	LS 4.6x360	360.0 x 4.6	102.0	45.3	100
61812970	LS 4.6x520	520.0 x 4.6	152.0	45.3	100
61812980	LS 4.6x680	680.0 x 4.6	203.0	45.3	100
61812990	LS 4.6x840	840.0 x 4.6	254.0	45.3	100
61813000	LS 7.9x200	200.0 x 7.9	51.0	113.3	100
61813010	LS 7.9x360	360.0 x 7.9	102.0	113.3	100
61813020	LS 7.9x520	520.0 x 7.9	152.0	113.3	100
61813030	LS 7.9x680	680.0 x 7.9	203.0	113.3	100
61813040	LS 7.9x840	840.0 x 7.9	254.0	113.3	100
61813050	LS 7.9x1010	1,016.0 x 7.9	305.0	113.3	100
With polyester coating					
61813085	LSC 4.6x100	100.0 x 4.6	21.0	45.3	100
61813086	LSC 4.6x125	125.0 x 4.6	32.0	45.3	100
61813087	LSC 4.6x150	150.0 x 4.6	40.0	45.3	100
61813088	LSC 4.6x200	200.0 x 4.6	51.0	45.3	100
61813089	LSC 4.6x360	360.0 x 4.6	102.0	45.3	100
61813090	LSC 4.6x520	520.0 x 4.6	152.0	45.3	100
61813091	LSC 4.6x680	680.0 x 4.6	203.0	45.3	100
61813092	LSC 4.6x840	840.0 x 4.6	254.0	45.3	100
61813093	LSC 7.9x200	200.0 x 7.9	51.0	113.3	100
61813094	LSC 7.9x360	360.0 x 7.9	102.0	113.3	100
61813096	LSC 7.9x520	520.0 x 7.9	152.0	113.3	100
61813097	LSC 7.9x680	680.0 x 7.9	203.0	113.3	100
61813098	LSC 7.9x840	840.0 x 7.9	254.0	113.3	100

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

Accessories

- FLEXIMARK® Stainless steel FCC refer to page 913



Ty-Gun ERG 50 / Ty-Gun ERG 120 Cable tie pliers



Info

- Improved push ring and optimized blade and drawbar suspension



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)
- Lightweight
- Nose made of stainless steel guarantees a longer lifetime of the tool

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000453
ETIM 5.0/6.0 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
Ty-Gun ERG 50					
62120120	Ty-Gun ERG 50	Plastic	2.4 - 4.8	0.26	1
62120121	Ty-Gun ERG 50 spare blades	Plastic	2.4 - 4.8		2
Ty-Gun ERG 120					
62120125	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

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BASIC cable tie pliers



Benefits

- The tightening force can be adapted gradually:
Setting 0: 29,4N
Setting 1: 58,9N
Setting 2: 98,1N
Setting 3: 127,5N
- Low-cost starter product

Application range

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

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000453
ETIM 5.0/6.0 Class-Description:
Cable tie tool

Article number	Article description	For cable ties	Cable tie width (mm)	PU
BASIC cable tie pliers				
62120321	BASIC Cable tie tool	Plastic	2.2 - 4.8	1

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



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

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000453
ETIM 5.0/6.0 Class-Description:
Cable tie tool

Article number	Article description	For cable ties	Max. cable tie width (mm)	D x V mm	Weight (kg)	Pieces / PU
Steel Gun HT-338 Cable tie pliers						
83250022	FLEXIMARK® HT-338	Stainless steel	7.9	178 x 140	0.56	1

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Tie socket self-adhesive

Benefits

- Option for cross-mounting / double-mounting on the crossover points of the cable harness
- Easy to handle

Application range

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

Norm references / Approvals

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

Note

- Walls must be smooth and grease-free
- Minimum adhesive application time: 10 sec, recommended adhesive curing time: 24 h

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000449 ETIM 5.0/6.0 Class-Description: Mounting base and -element for cable ties
	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	Diameter (mm)	Tie width (mm)	Length x width (mm)	Pieces / PU
Tie socket self-adhesive						
61718612	Adhesive socket 19 x 19 NA	natural	3.2	3.6	19.0 x 19.0	100
61718611	Adhesive socket 19 x 19 BK	black	3.2	3.6	19.0 x 19.0	100
61718614	Adhesive socket 28 x 28 NA	natural	5.3	5.3	28.0 x 28.0	100
61718613	Adhesive socket 28 x 28 BK	black	5.3	5.3	28.0 x 28.0	100

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

Similar products

- Mounting socket with saddle refer to page 1011
- Tie screw socket refer to page 1012
- Tie small socket refer to page 1012

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

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000449 ETIM 5.0/6.0 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



	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

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.

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Tie small socket



TC 104



TC 102



TC 804

mm	A	B	C
TC 102	2,2	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

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000449 ETIM 5.0/6.0 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	1000

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Tie screw socket



TC 826

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



TC 828

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

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000449 ETIM 5.0/6.0 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 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.

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Aluminium screw socket

Benefits

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

Application range

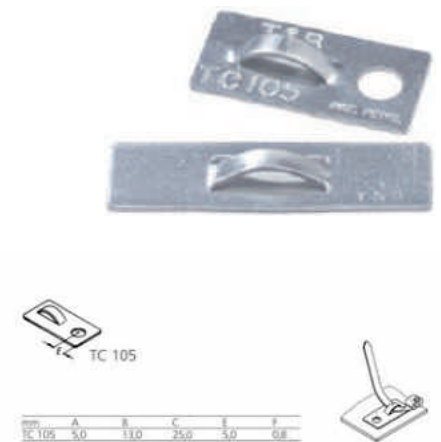
- Fastening elements for cable ties

Included

- Delivered without screws

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000449 ETIM 5.0/6.0 Class-Description: Mounting base and -element for cable ties
	Material Aluminium (3003, ASTM-B-209)
	Temperature range -100°C to +450°C



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.
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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

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 14,5 mm

Norm references / Approvals

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

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000127 ETIM 5.0/6.0 Class-Description: Saddle
	General Self-adhesive on many surfaces
	On request Upon request: Black colour
	Colour delivered Natural colour
	Material Polyamide 6.6
	Temperature range -40°C to +85°C



Article number	Article description	Max. bundle Ø (mm)	Socket area x height (mm)	Pieces / PU
CC cord clips				
61723810	CC 5	4.5	19 / 19 x 10	100
61723820	CC 11	8.5	26 / 26 x 12	100
61723840	CC 21	14.5	26 / 26 x 16	100

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Detectable cable tie sockets



Benefits

- Retrievable cable tie sockets with a special polymer compound that activates metal detectors, X-ray equipment and visual detection systems
- Minimize the risk of product contamination
- The colour blue facilitates visual detection
- Polyamid version: resistant to conventional solvents such as alcohol and ketone, aliphatic and aromatic hydrocarbons such as oil, grease, gasoline and weak alkalis; not resistant to acids (weak or strong) and metallic salts
Polypropylene version: especially resistant against chemical detergents
- Help achieve the HACCP EU-Directive

Application range

- Are recommended for applications using detection systems to detect foreign objects where plastic residuals are not allowed in the finished product
- Food and beverage industry, especially for production and processing equipment of milk and meat products
- Pharmaceutical production

Norm references / Approvals

- UL 94 V-2

Included

- Delivered without screws

Technical data

	Colour delivered Blue
	Material Polyamide 6.6 or polypropylene with metal parts Halogen-free
	Temperature range -40°C to +85°C

Article number	Article description	Fastening type	Material	Diameter (mm)	Tie width (mm)	Length x width (mm)	Pieces / PU
Socket with 4 entries (Picture 1)							
61724100	Socket Detect XS PA	screwing	PA 6.6 with metal parts	3	3.6	13.0 x 13.0	100
61724101	Socket Detect S PA	screwing	PA 6.6 with metal parts	3	3.6	20.0 x 20.0	100
61724102	Socket Detect M PA	screwing	PA 6.6 with metal parts	4,5	4.8	28.0 x 28.0	100
61724103	Socket Detect L PA	screwing	PA 6.6 with metal parts	4,5	7.6	38.0 x 38.0	100
61724107	Socket Detect S PP	screwing	PP with metal parts	3	3.6	19.1 x 19.1	100
61724108	Socket Detect M PP	screwing	PP with metal parts	3	7.6	29.0 x 29.0	100
Small Socket (Picture 2)							
61724104	Small Socket Detect PA	screwing	PA 6.6 with metal parts	3	4.8	21.2 x 10.0	100
61724109	Small Socket Detect PP	screwing	PP with metal parts	4,4	4.8	19.1 x 12.7	1000
Socket with saddle (Picture 3)							
61724105	Saddle Socket Detect XS PA	screwing	PA 6.6 with metal parts	4,3	4.7	14.9 x 9.5	100
61724106	Saddle Socket Detect S PA	screwing	PA 6.6 with metal parts	4,5	9	22.2 x 15.9	100
61724110	Saddle Socket Detect XS PP	screwing	PP with metal parts	3,8	4.8	17.0 x 11.1	100
61724111	Saddle Socket Detect S PP	screwing	PP with metal parts	5.2	7.6	23.4 x 14.2	100

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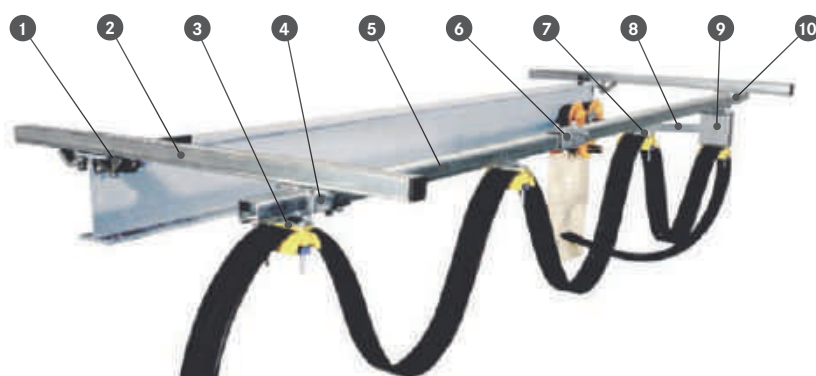
Cable Trolley Systems Overview

All cable trolley systems are available as flat cable system or round cable system. Various mounting options are available:

- C-profile rails with wall brackets or directly on beams / ceilings,
- with a steel wire
- or on an I-beam.

Mounting	Picture	Characteristics	Application areas
C30		• Suitable for C profiles 30 x 32mm • Max. cable diameter round: 36mm • Max. cable dimensions flat: 30 x 54mm • Max. cable load: 20kg • Material: Galvanized steel	• Mounting offset to the beam, thus more flexible • Wall mounting also possible • Crane and conveying machinery, hoisting equipment • E.g. indoor cranes, sawmills, ...
C40		• Suitable for C profiles 40 x 40mm • Max. cable diameter round: 36mm • Max. cable dimensions flat: 35 x 132mm • Max. cable load: 32kg • Material: Galvanized steel	• For higher weights and wider cable dimensions
C30 Stainless Steel		• Suitable for C profiles 30 x 32mm • Max. cable diameter round: 36mm • Max. cable dimensions flat: 30 x 54mm • Max. cable load: 20kg • Material: Stainless steel	• For demanding surroundings • E.g. washing plants, food and beverage industry, harbours
Steel Wire		• Suitable for steel wire • Max. cable diameter round: 36mm • Max. cable dimensions flat: 15 x 44mm • Max. cable load: 6kg • Material: Galvanized steel	• For cables with lower weight • E.g. pendant stations
I-Beam		• Suitable for I-Beam • Max. cable diameter round: 36mm • Max. cable dimensions flat: 15 x 54mm • Max. cable load: 20kg • Material: Galvanized steel	• Mounting space saving, since no side offset to the beam

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- 1 Girder clips
- 2 Support arm
- 3 End clamp
- 4 Support brackets flexible mounting
- 5 C-Profile rail
- 6 Track coupler
- 7 Cable trolley
- 8 Towing arm
- 9 Towing trolley
- 10 End stop



Cable trolley system for C-rails



Info

- NEW: C30 and C40 System in stainless steel
- Steel wire and I-Beam system in the web catalogue
- Configuration tool on our homepage (Knowledge center-cable accessories)

Benefits

- Gentle cable clamps prevent the cables from sharp bends
- Dustproof ball bearing (wheels) guarantee smooth running in the rails

Application range

- Crane and conveying machinery
- For hoisting equipment and conveyor systems
- Mechanical engineering
- Washing plants
- Not suitable for applications in explosive environments

Note

- Round- and flat cables are not allowed to be combined side by side or below each other
- Don't assemble more than three clamps for round cables below each other

- Bending radius on the bracket corresponds to a fixed installation
- Cable trolleys with suffix „b“ are suitable for cables with a larger bending radius (see data sheet)

Product Make-up

- The installation of a system depends on various criteria, e.g. maximum cable slack (cable weight) and working length.

Included

- Delivery length of the C-profile 6 m

Suitable conduits

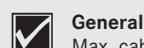
- Even air-pressure lines can be installed

Suitable cables

- See selection tabel A 3-2

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002935
ETIM 5.0/6.0 Class-Description:
Accessories for cable carrying system



General

Max. cable load:
C30 System: 20 kg
C40 System: 32 kg



Material

Metal parts: Galvanized steel
Clamps: Polyamide 6



Temperature range

-40 °C to +120 °C

Article number	Article designation	System	Max. flat cable dimensions mm	max. round cable diameter mm	Pieces / PU
Cable trolley flat cables					
62200421	Cable trolley flat C30 15x54	C30	15 x 54		1
62200442	Cable trolley flat C30 30x54	C30	30 x 54		1
62200477	Cable trolley flat C30 22x54 b	C30	22 x 54		1
62200420	Towing trolley flat C30 30x54	C30	30 x 54		1
62200482	Towing trolley flat C30 22x54 b	C30	22 x 54		1
62200422	End clamp flat C30 30x54	C30	30 x 54		1
62200483	End clamp flat C30 22x54 b	C30	22 x 54		1
62200464	Cable trolley flat C40 22x52	C40	22 x 52		1
62200479	Cable trolley flat C40 22x72	C40	22 x 72		1
62200419	Cable trolley flat C40 22x97	C40	22 x 97		1
62200480	Cable trolley flat C40 22x132	C40	22 x 132		1
62200446	Cable trolley flat C40 35x72	C40	35 x 72		1
62200457	Cable trolley flat C40 35x97	C40	35 x 97		1
62204505	Cable trolley flat C40 35x132	C40	35 x 132		1
62200465	Towing trolley flat C40 22x52	C40	22 x 52		1
62200488	Towing trolley flat C40 22x72	C40	22 x 72		1
62200418	Towing trolley flat C40 22x97	C40	22 x 97		1
62200489	Towing trolley flat C40 22x132	C40	22 x 132		1
62200447	Towing trolley flat C40 35x72	C40	35 x 72		1
62200458	Towing trolley flat C40 35x97	C40	35 x 97		1
62200466	Towing trolley flat C40 35x132	C40	35 x 132		1
62200484	End clamp flat C40 22x52	C40	22 x 52		1
62200485	End clamp flat C40 22x72	C40	22 x 72		1
62200417	End clamp flat C40 22x97	C40	22 x 97		1
62200486	End clamp flat C40 22x132	C40	22 x 132		1
62200448	End clamp flat C40 35x72	C40	35 x 72		1
62200459	End clamp flat C40 35x97	C40	35 x 97		1
62204504	End clamp flat C40 35x132	C40	35 x 132		1
Cable trolley round cable					
62200434	Cable trolley round C30	C30			1
62200435	Towing trolley round C30	C30			1
62200478	Cable trolley round C40	C40			1
62200481	Towing trolley round C40	C40			1
62200437	Clamp round 10-16mm			10 - 16	1
62200438	Clamp round 17-25mm			17 - 25	1
62200439	Clamp round 26-36mm			26 - 36	1
62200436	End clamp round	C30, C40			1

Article number	Article designation	System	Max. flat cable dimensions mm	max. round cable diameter mm	Pieces / PU
Fastening components					
62200440	C Profile rail 6m C30	C30			1
62200424	Track coupler C30	C30			1
62200427	Support brackets flex. C30	C30			1
62200429	Support brackets wall C30	C30			1
62200425	End stop C30	C30			1
62200432	Support arm 800mm C30	C30			1
62200444	C Profile rail 6m C40	C40			1
62200445	Track coupler C40	C40			1
62200456	Support brackets flex. C40	C40			1
62200461	Support brackets wall C40	C40			1
62200449	End stop C40	C40			1
62200467	Support arm 800mm C40	C40			1
62200460	Wall bracket	C30, C40			1
62200430	Towing arm 400mm	C30, C40			1
62200431	Towing arm 630mm	C30, C40			1
62200433	Girder clips	C30, C40			1

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Similar products

- Cable trolley system for C-rails stainless steel refer to page 1017
- Cable trolley system I-beam
- Cable trolley system steel wire



Cable trolley system for C-rails stainless steel

Info

- Configuration tool on our homepage (Knowledge center-cable accessories)

Benefits

- Gentle cable clamps prevent the cables from sharp bends
- Dustproof ball bearing (wheels) guarantee smooth running in the rails

Application range

- Crane and conveying machinery
- For hoisting equipment and conveyor systems
- Mechanical engineering
- Washing plants
- Not suitable for applications in explosive environments

Note

- Round- and flat cables are not allowed to be combined side by side or below each other

- 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 installation of a system depends on various criteria, e.g. maximum cable slack (cable weight) and working length.

Included

- Delivery length of the C-profile 6 m

Suitable conduits

- Even air-pressure lines can be installed

Suitable cables

- See selection tabel A 3-2

Technical data



General

Max. cable load: 20 kg



Material

Metal parts: Acid proof steel SS 2343
Nuts and bolts: Acid proof steel A4
Clamps: Polyamide 6



Temperature range

-40°C to +120°C

Article number	Article designation	System	Max. flat cable dimensions mm	max. round cable diameter mm	Pieces / PU
Cable trolley flat cables					
62200453	Cable trolley flat C30 15x54 stainless	C30 stainless steel	15 x 54		1
62200462	Cable trolley flat C30 30x54 stainless	C30 stainless steel	30 x 54		1
62200630	Towing trolley flat C30 30x54 stainless	C30 stainless steel	30 x 54		1
62200640	End clamp flat C30 30x54 stainless	C30 stainless steel	30 x 54		1
Cable trolley round cable					
62200120	Cable trolley round C30 stainless	C30 stainless steel			1
62200680	Towing trolley round C30 stainless	C30 stainless steel			1
62200130	Clamp round 10-16mm stainless	C30 stainless steel		10 - 16	1
62200463	Clamp round 17-25mm stainless	C30 stainless steel		17 - 25	1
62200700	Clamp round 26-36mm stainless	C30 stainless steel		26 - 36	1
62200690	End clamp round stainless	C30 stainless steel			1
Fastening components					
62200454	C Profile rail 6m C30 stainless	C30 stainless steel			1
62200600	Track coupler C30 stainless	C30 stainless steel			1
62200610	Support brackets flex. C30 stainless	C30 stainless steel			1
62200487	Support brackets wall C30 stainless	C30 stainless steel			1
62200620	End stop C30 stainless	C30 stainless steel			1
62200660	Support arm 800mm C30 stainless	C30 stainless steel			1
62200650	Towing arm 400mm stainless	C30 stainless steel			1
62200670	Girder clips stainless	C30 stainless steel			1

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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**Classification ETIM 5/6**

ETIM 5.0/6.0 Class-ID: EC000127

ETIM 5.0/6.0 Class-Description: Saddle

**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	2	1
52026012	DKK 26	19-26	125 x 85 x 120	2	1

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CHAMPION Drum dispenser



 Info

- For professional and gentle unwinding of even sensitive cables

Benefits

- Robust construction with 200 kg load capacity
- Safer stability thanks to noise-reducing rubber feet
- Easily adjustable carrier rollers with 3 different positions
- Maintenance-free

Application range

- Drum dispenser for everyday use in the workshop or on the construction site
- Also as storage solution in the workshop
- With additional rollers for mobile use

Product features

- For drum diameter from 150 up to 900mm
- Available in two sizes for drums up to 520 or 670mm width
- Lightweight hybrid frame made of glass fiber reinforced polyamide and aluminum
- Provided with 4 non-slip rubber feet
- Optionally with 4 rollers for drum transport

Technical data

 **Dimensions**
52: 577x565x120mm
67: 727x565x120mm

 **General data**
Weight:
52: 7.2kg
67: 9.0kg
Material: glass-fiber reinforced polyamide and aluminium

Article number	Article designation
CHAMPION Drum dispenser	
85008070	CHAMPION 52
85008071	CHAMPION 67
85008072	CHAMPION Steering rollers set
85008073	CHAMPION Rubber feet (4 pc)

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Drum cardboard



Info

- The cardboard can also be ordered filled with a cable. In this case, please contact our customer service



Benefits

- Simple unwinding directly from the box
- Can be stacked at the Location
- Dispenser solution (reusable)
- Cardboard provides protection against damage and contamination

Application range

- Transporting, storing and unwinding of cable drums

Product features

- Folding and tilting system allows easy insertion of the drum
- Suitable for drums with a flange diameter of 40cm
- Manual transport by means of carrier handles
- For unwinding, the cable is simply pulled through the opening in the cardboard

Technical data



Dimensions

Drum width: up to 40cm
Dimensions:
L=480, W=430, H=450mm



General data

Max. load: 30 kg

Article number	Article designation
Drum cardboard	
85008061	Drum cardboard

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Spooling pallet



Info

- The pallet can also be ordered filled with a cable. In this case, please contact our customer service



Benefits

- By using the rolls, the unwinding of the cable directly from the pallet is possible in a simple way
- No need to move the drum thus reducing any risk of damage
- Reusable

Application range

- Transporting, storing and unwinding of cable drums

Product features

- Pallet frame with two integrated rolls
- Suitable for drums with a flange diameter of up to 90cm
- Pallet can be picked up from all four sides by the forklift
- Suitable for export as IPPC treated

Technical data



Dimensions

Drum width: up to 90cm
Dimensions: L=800, W=800mm



General data

Max. load: 500 kg
Weight: 16 kg

Article number	Article designation
Spooling pallet	
85008062	Spooling pallet

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TRONIC Single core cart



Info

- Matching single wire rings under H05V-K and H07V-K (Maxi ring) available



Benefits

- Easy removal of single core rings
- Easy placement of the rings
- Flexible storage capacities
- Kanban-capable

Application range

- Storage of single wires
- Mobile Solution „Articles about Man / Machine“

Product features

- TRONIC module consists of 2 TRONIC mounted on a holder

Suitable cables

- H05V-K <HAR> Page 217
- H07V-K <HAR> Page 220
- H07V-U
- MULTI-STANDARD SC 1 Page 224
- MULTI-STANDARD SC 2.1 Page 225
- MULTI-STANDARD SC 2.2 Page 228

Technical data



Dimensions

Fits for cable rings:
Cable outerdiameter: max. 10 mm
Coil Diameter: max. 295 mm
Inner diameter: 80-180 mm
Height: max. 80 mm



General data

Max. load per TRONIC: 7 kg



Material

Painted steel

Article number	Article designation	Includes	Capacity of rings	Dimension in mm	Weight (kg)
Single modules					
85001632	TRONIC		1	D=310.0, H=103.0	0.7
85001625	TRONIC Module		2	L=335.0, W=335.0, H=280.0	2.6
Carts incl. modules					
85001621	TRONIC Module single core cart 6x2	6 TRONIC Module	12	L=610.0, W=580.0, H=1160.0	29
85001624	TRONIC Single core cart 12	12 TRONIC	12	L=670.0, W=610.0, H=950.0	19
85001622	TRONIC Module single core cart 18x2	18 TRONIC Module	36	L=840.0, W=820.0, H=1400.0	93
85001629	TRONIC Single core cart 48	48 TRONIC	48	L=865.0, W=770.0, H=1460.0	106

TRONIC is a brand name of the company Meccanica Nicoletti S.R.L.

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