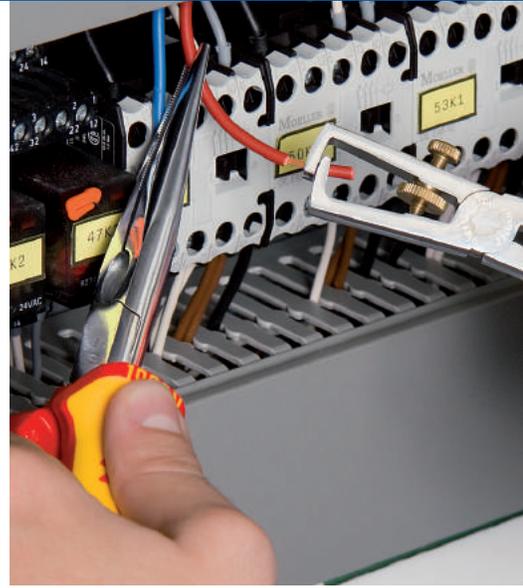


INSULATED PROGRAM



Trusted. Innovative. Ergonomic. Safe.



INSULATED TOOLS



Professionals trust their tools. This trust is vital when working on electrical installations. In this case, the electrician holding the pliers is also holding his life in his hands. Our insulated tools therefore not only meet statutory requirements, but also offer the greatest possible safety, reliability and performance in the area not determined by regulations: underneath the insulation.

REGULATED BY STANDARDS

Only trained professionals are allowed to work on live installations. Such work is subject to strict occupational health and safety standards such as the German DIN VDE 0105 and the international EN 50110 and IEC 60364. In each case they must deploy special tools that have been specifically manufactured and tested for this work.

Which requirements have to be met by tools used in live work and is determined by DIN EN / IEC 60900. KNIPEX tools which bear the special mark  1000 V are approved for work up to 1,000V AC.

GUARANTEED INDIVIDUALLY CHECKED

Every insulated tool undergoes, one by one, a dielectric strength at 1,000V AC before we sell it. This means that work in the area up to 1,000V AC has a safety buffer of ten times the permitted maximum limit. Other procedures check the reliability of the insulation towards heat, cold, tensile and impact force. In addition to the KNIPEX quality assurance team, external institutes and test centers such as the VDE guarantee that all VDE criteria have been satisfied.

We go through this effort to safeguard the user. He trusts his well-being with our pliers, day in and day out. In return, we want to give him the best possible safety at all times. We stand by this responsibility with our name on the insulation of KNIPEX tools.

Type examination, manufacturing inspections and stock monitoring by the independent VDE testing center.



INSULATION BY INJECTION MOLDED SLEEVES (VERSION 6)

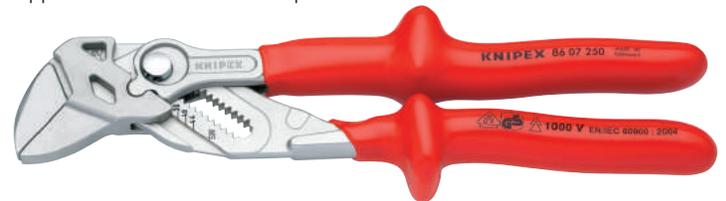
KNIPEX pliers with the two-color multi-component handle insulation, meet the requirements of the international standard IEC 60900. This claim is confirmed by the VDE/GS mark, awarded by a prestigious independent neutral inspection body and of ASTM F1505.



The slip guard is designed to prevent the hand from slipping unintentionally on conductive metal parts at the head of the pliers.

DIPPED INSULATION (VERSION 7)

Hand tools such as open-ended spanners/single-ended box wrenches, socket wrenches, ratchets, etc. are insulated at KNIPEX using a plastic dipping method. These also meet all requirements of the international standards IEC 60900 and ASTM F1505. To round off this range, KNIPEX also insulates pliers in a dipping process to adapt these tools concerning appearance and production method to the other dipped insulated tools. These pliers also bear the VDE/GS mark.



The firmly bonded extra thick dipped insulation is made of insulating material which is free of harmful substances. Two Layer insulation at the ends of the handles, prevents cracks caused by an impact.

Always comply with the currently valid regulations and observe the SAFETY INSTRUCTIONS given below:

- Insulated tools must be transported and stored in a manner that will prevent any damage to the insulation.
- Check before every use whether the insulation is damaged in any way, defective tools must be discarded.
- Always keep your insulated tools clean and dry.
- Wear protective goggles when working with cutting nippers or working overhead.
- Always wear goggles or a facial mask when working on live equipment.
- Make sure the workplace is clean and orderly, particularly when you are working on live installations.
- Wear protective clothing and use additional safety equipment (e.g. insulating gloves, insulating mats, protective covers) especially in confined working spaces.
- Use only a tool with suitable dimensions. That will prevent slipping on the workpiece and unintentional contact with non-insulated parts.
- Make sure that detached parts or cut-off ends of conductors do not fall onto live parts.

1000V High Leverage Combination Pliers

ISO 5746 IEC 60900 ASTM F1505

- heavy-duty pliers with gripping zones for flat and round material
- induction hardened cutting edges (approx. 63 HRC) for cutting soft, hard, piano wire and ACSR wire
- long cutting edges for thicker cable
- requires 35% less effort compared to conventional combination pliers due to improved lever action
- 1000V, dual component insulated handles
- German special tool steel, forged, oil-hardened



02 08 225 SBA

Part number	UPC Code	Length	Cutting Capacities	
			hard	piano
02 08 200 SBA	843221018597	8"	7/64"	3/32"
02 08 225 SBA	843221000486	9"	1/8"	3/32"

1000V Lineman's Pliers

ISO 5746 ASME B107.20 IEC 60900 ASTM F1505

- cuts hard and soft wire, ACSR, bolts, screws and nails
- induction hardened cutting edges (approx. 64 HRC) for cutting soft, hard and ACSR wire
- high leverage design that requires 40% less effort compared to conventional combination pliers
- cross-hatch gripping zone in the jaws enables strong gripping and pulling
- additional gripping zone below the joint for powerful leverage and squeezing performance
- 1000V, dual component insulated handles
- German Vanadium electric steel; forged, oil-hardened



09 08 240 SBA

Part Number	UPC Code	Length	Cutting Capacities	
			med. hard	hard
09 08 240 SBA	843221000479	9 1/2"	3/16"	1/8"

1000V Combination Pliers

ISO 5746 IEC 60900 ASTM F1505

- gripping zones for flat and round material
- induction hardened cutting edges (approx. 60 HRC) for cutting soft and hard wire
- long cutting edges for thicker cable
- 1000V, dual component insulated handles
- German special tool steel, forged, oil-hardened



03 08 200 SBA

Part Number	UPC Code	Length	Cutting Capacities	
			med. hard	hard
03 08 160 SBA	843221018610	6 1/4"	1/8"	5/64"
03 08 180 SBA	843221018627	7 1/4"	9/64"	3/32"
03 08 200 SBA	843221018634	8"	5/32"	3/32"

1000V Insulation Stripper

IEC 60900 ASTM F1505

- for single, multiple and fine stranded conductors with plastic or rubber insulation
- easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
- 1000V, dual component Insulated handles
- German special tool steel, forged, oil-hardened



11 08 160 SBA

Part Number	UPC Code	Length	Capacities
11 08 160 SBA	843221018641	6 1/4"	13/64" 7 AWG

Visit www.knipex-tools.com for more insulated tools.



1000V Electrical Installation Pliers

ASTM F1505 IEC 60900

- 6 functions in one pair of pliers
 - cutting: cable shears with induction hardened cutting edges for copper and aluminum cables; cuts stranded wire up to 9/16" and solid wire up to 5/32"
 - stripping: stripping holes for 12 and 14 AWG
 - crimping: crimp die for 12-20 AWG
 - gripping: serrated gripping surfaces and pipe grip for flat and round material
 - bending: smooth surface near the tips for a non-damaging grip when forming wire loops
 - deburring: clear-cut outside edge for reaming conduit or pipe and for deburring feed-through holes
- slim long nose design for easy access into tight places
- bolted joint for precision smooth action
- 1000V, dual component insulated handles
- forged from German high-grade special tool steel



13 88 8 SBA

Part Number	UPC Code	Length	Stripping Capacity (AWG)	Cutting Capacities Stranded	Cutting Capacities Solid	Crimping
13 88 8 SBA	843221012120	8"	12 and 14	9/16"	5/32"	12-20

1000V Round Nose Pliers

ISO 5745 IEC 60900 ASTM F1505

- for bending wire loops
- precision ground, short and round smooth jaws
- 1000V, dual component insulated handles
- German chrome vanadium electric steel; forged, oil-hardened



22 08 160 SBA

Part Number	UPC Code	Length
22 08 160 SBA	843221018658	6 1/4"

1000V Long Nose Side Cutting Pliers

ISO 5745 IEC 60900 ASTM F1505

- for gripping and cutting work in precision mechanics
- pointed, half-round jaws with serrated gripping surfaces
- induction hardened cutting edges (approx. 61 HRC) for cutting medium hard and hard wire
- 1000V, dual component insulated handles
- German vanadium electric steel; forged, oil-hardened



25 08 160 SBA

Part Number	UPC Code	Length	Cutting Capacities	
			med. hard	hard
25 08 160 SBA	843221018665	6 1/4"	3/32"	1/16"

1000V Long Nose Side Cutting Pliers

ISO 5745 IEC 60900 ASTM F1505

- resilient precision tips snap back into place even after being twisted
- induction hardened cutting edges (approx. 61 HRC) for cutting medium and hard wire
- half-round, long jaws with serrated gripping surfaces
- cutting edges induction hardened to approximately 61 HRC
- 1000V, dual component insulated handles
- German vanadium electric steel; forged, oil-hardened



26 18 200 SBA

Part Number	UPC Code	Length	Cutting Capacities	
			med. hard	hard
26 18 200 SBA	843221000509	8"	1/8"	3/32"
26 28 200 SBA	843221019297	8"	1/8"	3/32"

1000V Diagonal Cutters

ISO 5749 IEC 60900 ASTM F1505

- induction hardened cutting edges (approx. 62 HRC) for cutting soft and hard wire precisely
- narrow head style for use in confined areas
- 1000V, dual component insulated handles
- German vanadium electric steel; forged, oil-hardened



70 08 160 SBA

Part Number	UPC Code	Length	Cutting Capacities		
			soft	med. hard	hard
70 08 160 SBA	843221018672	6 1/4"	5/32"	7/64"	5/64"
70 08 180 SBA	843221018689	7 1/4"	5/32"	1/8"	3/32"

1000V High Leverage Diagonal Cutter

ISO 5749 IEC 60900 ASTM F1505

20%
Less Effort

- high leverage precision matched, induction hardened cutting edges (approx. 64 HRC) cuts soft, hard and ACSR wire
- heavy-duty fixed forged axle rivet joint ensures smooth operation and long life
- 1000V, dual component insulated handles
- German chrome vanadium heavy-duty steel; forged, oil-hardened



74 08 200 SBA

Part Number	UPC Code	Length	Cutting Capacities		
			med. / hard	hard	piano wire
74 08 200 SBA	843221000523	8"	11/64"	1/8"	3/32"
74 08 250 SBA	843221001216	10"	3/16"	9/64"	1/8"

1000V X-Cut

ISO 5749 IEC 60900 ASTM F1505

40%
Less Effort

- box-joint design: highest stability at low weight
- dual supported joint axis for heavy-duty cutting
- high cutting capacity with very little effort due to the optimum coordination of cutting edge angle and lever ratio with off center pivot point
- cuts all wires precisely, even fine copper wires to piano wires
- 1000V, dual component insulated handles
- German chrome vanadium heavy-duty steel; forged, oil-hardened



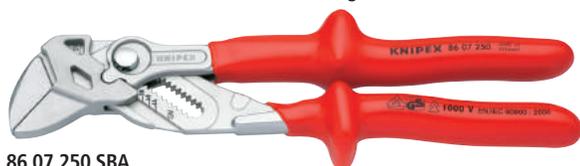
73 06 160 SB

Part Number	UPC Code	Length	Capacities		
			med. hard	hard	piano wire
73 06 160 SB	843221019556	6 1/4"	5/32"	7/64"	3/32"

1000V Pliers Wrench

IEC 60900 ASTM F1505

- replaces a full set of SAE and metric open end wrenches
- smooth jaws will not round off nuts or bolts and won't damage chrome or soft finishes
- parallel jaws evenly distribute force to the workpiece for a secure grip that is 10x your strength
- push-button adjustment- adjust once and it stays
- unique ratcheting action for extremely fast turns of nuts and bolts without having to reset the tool
- 1,000V, dipped insulated handles
- German chrome vanadium electric steel, forged, oil-hardened



86 07 250 SBA

Part Number	UPC Code	Length	Capacities	Adjustment positions
86 07 250 SBA	843221006969	10"	1 3/4"	17

1000V Cobra® Water Pump Pliers

ISO 5749 IEC 60900 ASTM F1505

- easily grips pipes, nuts and bolts
- gripping surfaces with special hardened teeth (approx. 61 HRC) is wear resistant and grips any shaped object
- self-locking on pipes and nuts means no slipping on the work piece
- push-button mechanism – adjust once and it stays
- 24 fine adjustments to different size workpieces
- 1000V, dual component insulated handles
- German chrome vanadium electric steel; forged, oil-hardened



87 28 250 SBA

Part Number	UPC Code	Length	Capacities	Adjustment positions
87 28 250 SBA	43221010560	10"	2"	24

1000V Alligator® Water Pump Pliers

ISO 5749 IEC 60900 ASTM F1505

- self locking on pipes and nuts means no slipping on the workpiece
- gripping surface with special hardened teeth (approx. 61 HRC) is wear resistant and grips any shaped object
- 9 adjustments to fit different size workpieces
- box-joint design provides directional stability
- 1000V, dual component insulated handles
- German chrome vanadium electric steel; forged, oil-hardened



88 08 250 SBA

Part Number	UPC Code	Length	Capacities	Adjustment positions
88 08 250 SBA	843221001339	10"	2"	9

1000V XL Cable Shears

IEC 60900 ASTM F1505

- precision ground, hardened blades cut copper and aluminum cables, and single and multiple wire. Cutting capacity = 1" diameter.
- provides a clean and smooth cut without crushing or deformation
- not suitable for ACSR, steel wire and wire ropes
- low hand force required due to a powerful lever action ratio and advanced blade geometry
- adjustable screw joint and guard
- 1000V, dipped insulated handles
- cutter head: German vanadium electric steel; forged, oil-hardened
- handle shank: aluminum tube, high-strength



95 17 500

Part Number	UPC Code	Length	Cutting Capacities
95 17 500	843221005702	20"	5/0 AWG

1000V Cable Shears

IEC 60900 ASTM F1505

- precision ground, hardened blades cut copper and aluminum cables, and single and multiple wire
- not suitable for ACSR, steel wire and hard drawn copper conductors
- provides a clean and smooth cut without crushing or deformation
- easy cutting – one-handed operation
- adjustable screw joint; self-locking
- 1000V, dual component insulated handles
- German high-grade special tool steel, forged, oil-hardened



95 18 165 SBA



95 18 200 SBA

Part Number	UPC Code	Length	Cutting Capacities
95 18 165 SBA	843221001360	6 1/2"	1/0 AWG
95 18 200 SBA	843221000530	8"	2/0 AWG

1000V Cable Cutter (Ratchet Action)

IEC 60900 ASTM F1505

- precision ground, hardened blades cut copper and aluminum cables, and single and multiple wire. Not suitable for ACSR, steel wire and wire ropes.
- for a clean and smooth cut without crushing or deformation
- one-handed operation using ratcheting principle.
- two-stage ratchet drive for easy cutting.
- low hand force required due to an optimum transmission ratio
- with pinch and slip guard
- 1000V, dual component insulated handles
- German high-grade special tool steel, forged, oil-hardened



95 36 250 SBA

Part Number	UPC Code	Length	Cutting Capacities
95 36 250 SBA	843221002220	10"	500 MCM
95 36 280 SBA	843221002237	11"	750 MCM
95 36 320	843221019594	12 1/2"	1200 MCM

1000V Dismantling Knives

IEC 60900 ASTM F1505

- thumb recess and "finger hook" at the end of the handle ensure a good transmission of force when the blade is pulled
- transparent protective cap
- blade: special tool steel; oil-hardened

98 52

Solid, fixed straight blade suitable for cable

98 53 03

Solid, fixed hook blade suitable for round cables. Blade made of special tool steel and oil-hardened.

98 53 13

Narrow, fixed hook blade, sickle shaped suitable for sector cables. Blade made of special tool steel and oil-hardened.

98 54 SB

Back of the blade is plastic coated to avoid short circuits

98 55 SB

Solid, fixed hook blade, sickle shaped with guide shoe at the blade point. No damage of the conductor insulation. Blade made from surgical steel, stainless and air-hardened.

98 56 SB

Replaceable straight blade. Hinged blade guard integrated into the handle. Back of blade is plastic coated to avoid short circuits.



98 52



98 53 03



98 53 13



98 54 SB



98 55 SB



98 56 SB

Part number	UPC Code	Length	Blade Length
98 52	843221006419	7 1/4"	1 31/32"
98 53 03	843221006426	6"	1 7/64"
98 53 13	843221006433	7 1/4"	1 31/32"
98 54 SB	843221017873	7 1/4"	1 31/32"
98 55 SB	843221017880	6"	1 1/2"
98 56 SB	843221017897	7 1/4"	1 31/32"

INSULATED TOOLS

Hex Sockets - 3/8" and 1/2" Drive

IEC 60900 ASTM F1505

98 37 5/8"



Part Number	UPC Code	Description	Size	Contained in Set #	
98 37 5/16"	843221006761	Fractional - 3/8" Drive	5/16"	98 99 11 S3	
98 37 3/8"	843221006754		3/8"	98 99 11 S3	
98 37 7/16"	843221006785		7/16"	98 99 11 S3	
98 37 1/2"	843221019679		1/2"	98 99 11 S3	
98 37 9/16"	843221006792		9/16"	98 99 11 S3	
98 37 5/8"	843221006778		5/8"	98 99 11 S3	
98 37 3/4"	843221006747		3/4"	98 99 11 S3	
98 37 10	843221006341		Metric - 3/8" Drive	10 mm	98 99 11 S4
98 37 11	843221017583			11 mm	98 99 11 S4
98 37 12	843221017590	12 mm		98 99 11 S4	
98 37 13	843221006358	13 mm		98 99 11 S4	
98 37 14	843221006365	14 mm		98 99 11 S4	
98 37 16	843221017606	16 mm			
98 37 17	843221006372	17 mm		98 99 11 S4	
98 37 19	843221017613	19 mm		98 99 11 S4	
98 47 1/2"	84322209898	Fractional - 1/2" Drive		1/2"	98 99 11 S5
98 47 9/16"	843221006846		9/16"	98 99 11 S5	
98 47 5/8"	843221006839		5/8"	98 99 11 S5	
98 47 11/16"	843221009038		11/16"	98 99 11 S5	
98 47 3/4"	843221006822		3/4"	98 99 11 S5	
98 47 7/8"	843221009045		7/8"	98 99 11 S5	
98 47 1"	843221006808		1"	98 99 11 S5	
98 47 1 1/16"	843221017699		1 1/16"		
98 47 10	843221017705		Metric - 1/2" Drive	10 mm	
98 47 11	843221017729	11 mm			
98 47 12	843221017736	12 mm			
98 47 13	843221017750	13 mm		98 99 11 S6	
98 47 14	843221017767	14 mm		98 99 11 S6	
98 47 16	843221017781	16 mm			
98 47 17	843221017798	17 mm		98 99 11 S6	
98 47 19	843221017811	19 mm		98 99 11 S6	
98 47 22	843221017828	22 mm		98 99 11 S6	
98 47 24	843221017835	24 mm		98 99 11 S6	
98 47 27	843221017842	27 mm	98 99 11 S6		

10 Pc. Hex Socket Sets

IEC 60900 ASTM F1505

Set contains:

- hexagon sockets
- 5" extension bar
- 10" extension bar
- reversible ratchet drive

98 99 11 S3



Part Number	UPC Code	Description
98 99 11 S3	843221002374	10 pc. insulated socket set 3/8" SAE
98 99 11 S4	843221002381	10 pc. insulated socket set 3/8" metric
98 99 11 S5	843221002398	10 pc. insulated socket set 1/2" SAE
98 99 11 S6	843221002404	10 pc. insulated socket set 1/2" metric

Hex Drive Sockets

IEC 60900 ASTM F1505



98 39 06

Part Number	UPC Code	Description	Size	Total Length
98 39 05	843221017644	Metric - 3/8" Drive	5 mm	3"
98 39 06	843221017651		6 mm	3"
98 39 08	843221017668		8 mm	3"
98 49 05	843221006389	Metric - 1/2" Drive	5 mm	3"
98 49 06	843221006396		6 mm	3"
98 49 08	843221006402		8 mm	3"

Open End Wrenches

IEC 60900 ASTM F1505



98 00 14

- 15° offset jaw
- basic wrench made from German chrome vanadium electric steel
- heavy-duty dipped PVC handle provides 1000V protection plus comfort

Part Number	UPC Code	Style	Jaw Size	Length	Contained in Set #
98 00 1/4"	843221019167	Fractional	1/4"	4 1/4"	98 99 13 S4
98 00 5/16"	843221006600		5/16"	4 1/4"	98 99 13 S4
98 00 3/8"	843221016944		3/8"	4 1/4"	98 99 13 S4
98 00 7/16"	843221006624		7/16"	4 3/4"	98 99 13 S4
98 00 1/2"	8432220996		1/2"	5 1/2"	98 99 13 S4
98 00 9/16"	843221006648		9/16"	6"	98 99 13 S4
98 00 5/8"	843221006617		5/8"	6 1/2"	98 99 13 S4
98 00 3/4"	843221006594		3/4"	7 1/2"	98 99 13 S4
98 00 1"	843221016838		1"	8"	
98 00 1 1/16"	843221016821	1 1/16"	8 1/2"		
98 00 07	843221016791	Metric	7 mm	105 mm	
98 00 08	843221016807		8 mm	105 mm	98 99 13 S5
98 00 09	843221016814		9 mm	105 mm	
98 00 10	843221006242		10 mm	105 mm	98 99 13 S5
98 00 11	843221016869		11 mm	120 mm	
98 00 12	843221016876		12 mm	125 mm	
98 00 13	843221006259		13 mm	130 mm	98 99 13 S5
98 00 14	843221016883		14 mm	135 mm	98 99 13 S5
98 00 15	843221016890		15 mm	145 mm	
98 00 16	843221016906		16 mm	155 mm	
98 00 17	843221006266		17 mm	155 mm	98 99 13 S5
98 00 18	843221016913		18 mm	160 mm	
98 00 19	843221006273		19 mm	165 mm	98 99 13 S5
98 00 22	843221006280		22 mm	190 mm	98 99 13 S5
98 00 24	843221016920		24 mm	210 mm	98 99 13 S5
98 00 27	843221016937		27mm	215 mm	

8 Pc. Open End Wrench Sets

IEC 60900 ASTM F1505



98 99 13 S4

Part Number	UPC Code	Description
98 99 13 S4	843221002411	8 pc. insulated open end wrench set - SAE
98 99 13 S5	843221002428	8 pc. insulated open end wrench set - metric

1000V Box End Wrenches

IEC 60900 ASTM F1505

- cranked (offset) head
- wrench is chrome plated
- heavy-duty dipped PVC handle provides 1000V protection plus comfort



98 01 14

Part Number	UPC Code	Style	Jaw Size	Length
98 01 5/16"	843221017101	Fractional	5/16"	6"
98 01 3/8"	843221006693		3/8"	6 1/4"
98 01 9/16"	843221006723		9/16"	7 3/4"
98 01 5/8"	843221006709		5/8"	8"
98 01 11/16"	8432206662		11/16"	8"
98 01 3/4"	843221006686		3/4"	9"
98 01 7/8"	843221006716		7/8"	9"
98 01 1"	843221006655		1"	10 1/2"
98 01 1 1/16"	843221006662		1 1/16"	10 1/2"
98 01 07	843221016951		Metric	7 mm
98 01 08	843221016968	8 mm		155 mm
98 01 09	843221016975	9 mm		165 mm
98 01 10	843221016982	10 mm		160 mm
98 01 11	843221017002	11 mm		165 mm
98 01 12	843221017019	12 mm		185 mm
98 01 13	843221017026	13 mm		185 mm
98 01 14	843221017033	14 mm		195 mm
98 01 15	843221017040	15 mm		200 mm
98 01 16	843221017057	16 mm		200 mm
98 01 17	843221017019	17 mm		205 mm
98 01 18	843221017064	18 mm		210 mm
98 01 19	843221017071	19 mm		225 mm
98 01 22	843221017095	22 mm		225 mm
98 01 24	843221017095	24 mm		265 mm

1000V T-Handle Drive

IEC 60900 ASTM F1505

- quick, easy and reliable locking of attached sockets
- basic tool - chrome plated
- high-grade special tool steel; forged, oil-hardened



98 40

Part Number	UPC Code	Square Drive	Length	Handle Capacities
98 30	843221017552	3/8"	8"	6 1/2"
98 40	843221006334	1/2"	8"	6 1/2"

1000V Reversible Ratchet

IEC 60900 ASTM F1505

- for quickly and securely using sockets
- reversible for clockwise and counterclockwise operation
- forged from German chrome vanadium steel for greater strength



98 31

Part number	UPC Code	Square Drive	Total Length
98 31	843221005719	3/8"	7 1/2"
98 41	843221005740	1/2"	10 1/2"
98 42	843221017675	1/2"	10 1/2"

1000V Socket Extensions and Adapters

IEC 60900 ASTM F1505

- forged from German chrome vanadium steel for greater strength
- overlapping PVC insulation increases safety level when used with other KNIPEX ratchets and handles
- chrome plated for maximum corrosion resistance



98 35 125

Part number	UPC Code	Square Drive	Total Length
98 35 125	843221005726	3/8"	5"
98 35 250	843221005733	3/8"	10"
98 45 125	843221005764	1/2"	5"
98 45 250	843221005771	1/2"	10"



98 99 14

**48 Pc. Universal Tool Case is available.
Please call to inquire about it.**

1000V Torque Wrench (Reversible)

IEC 60900 ASTM F1505

- reversible for clockwise and counterclockwise turning
- range of application 5-50 Nm; range of application for 98 33 25 is 5-25 Nm
- lockable torque adjustment
- calibration certificate included
- made from German chrome vanadium steel for greater strength



98 43 50

Part number	UPC Code	Square Drive	Total Length
98 33 25	843221019457	3/8"	11 1/4"
98 33 50	843221017569	3/8"	15"
98 43 50	843221017682	1/2"	15"

1000V PUK® Junior Hacksaw insulating

IEC 60900 ASTM F1505

- saw blade for metal and wood with 25 teeth per inch



98 90

Part Number	UPC Code	Length	Saw blade length
98 90	843221006556	9 1/2"	6"

1000V Pliers of plastic

IEC 60900 ASTM F1505

- full insulation reduces risk of short circuits
- plastic material, fiberglass-reinforced
- for meter installation and meter blocking



98 62 01



98 62 02

Part Number	UPC Code	Length	Style
98 62 01	843221002350	7 1/2"	Flat
98 62 02	843221002367	8 3/4"	Long Nose

1000V Insulating Clamp from plastic

DIN VDE 0680-1

- for holding insulated mats in place
- with integrated spring
- fully insulated to avoid short circuits
- solid plastic, fiberglass-reinforced



98 64 02

Part Number	UPC Code	Length	Clamping capacity
98 64 02	843221006488	6"	19/32"

1000V Electrician's Gloves

IEC 60903 DIN EN 60903

- for added protection when working live or close to live parts
- classification: 0



98 65 40

Part Number	UPC Code	Size
98 65 40	843221002312	9
98 65 41	843221017927	10

1000V Rubber Insulating Mat

IEC 61112 DIN VDE 0608-1

- for added protection when working live or close to live parts



98 67 05

Part Number	UPC Code	Length mm	Thickness
98 67 05	843221019600	500 x 500	1.0
98 67 10	843221019617	1000 x 1000	1.0

INSULATED TOOLS

13 Pc. Electricians Set 9K 00 80 03 US

IEC 60900 ASTM F1505
UPC Code: 843221008443

- in a roll-up ballistic material pouch

9K 00 80 03 US



Component	Description
02 08 225	9" Combination Pliers
11 18 160	6 1/4" End Wire Strippers
26 18 200	8" Long Nose Side Cutting Pliers
74 08 200	8" High Leverage Diagonal Cutting Pliers
88 08 250	10" Alligator® Water Pump Pliers
95 18 200	8" Cable Shears
98 54	Cable Knife
9T 74124	PROTOP Insulated 4" Slotted Screwdriver
9T 74126	PROTOP Insulated 6" Slotted Screwdriver
9T 74522	PROTOP Insulated Ph1 x 3" Screwdriver
9T 74523	PROTOP Insulated Ph2 x 4" Screwdriver
9T 74108	PROTOP Insulated 8"
9T 74504	PROTOP Insulated 6" PH3



KNIPEX / Witte-Insulated Set 9K 00 80 06 US

IEC 60900 ASTM F1505
UPC Code: 843221008467

- in a roll-up ballistic material pouch

Component	Description
26 18 200 US	8" Long Nose Side Cutting Pliers
74 08 200 US	8" High Leverage Diagonal Cutting Pliers
02 08 225 US	9" High Leverage Combination Pliers
88 08 250 US	10" Alligator® Water Pump Pliers
95 18 165 US	6 1/4" Cable Shears
9T 53704	MAXXPRO VDE Slotted (5/32") 4.0 x 100
9T 53705	MAXXPRO VDE Slotted (7/32") 5.5 x 125
9T 53706	MAXXPRO VDE Slotted (1/4") 6.5 x 150
9T 53712	MAXXPRO VDE Phillips #2 x 100
9T 54812	MAXXPRO VDE Square #2 x 100

19 Pc. Safety Insulated Set 9K 00 80 04 US

IEC 60900 ASTM F1505
UPC Code: 843221008314

- shock-resistant plastic case



9K 00 80 04 US

Component	Description
03 08 200	8" Combination Pliers
70 08 180	7 1/4" Diagonal Cutting Pliers
98 54	Cable Knife
98 00 1"	Open Jaw Wrenches
98 00 1/2"	Open Jaw Wrenches
98 00 1/4"	Open Jaw Wrenches
98 00 3/4"	Open Jaw Wrenches
98 00 3/8"	Open Jaw Wrenches
98 00 5/8"	Open Jaw Wrenches
98 31	Reversible Ratchets, 3/8"
98 35 250	Extension Bars, 3/8" x 10"
98 37 1/2"	1/2" Hexagon Socket Wrenches, 3/8"
98 37 1/4"	1/4" Hexagon Socket Wrenches, 3/8"
98 37 3/4"	3/4" Hexagon Socket Wrenches, 3/8"
98 37 3/8"	3/8" Hexagon Socket Wrenches, 3/8"
98 37 5/8"	5/8" Hexagon Socket Wrenches, 3/8"
9T 74124	PROTOP Insulated 4" Slotted Screwdriver
9T 74126	PROTOP Insulated 6" Slotted Screwdriver
9T 74523	PROTOP Insulated Ph2 X 4" Screwdriver



9K 00 80 06 US

**Custom sets are also available.
Please call to inquire.**

5 Pc. Insulated Automotive Set 9K 98 98 20 US

IEC 60900 ASTM F1505
UPC Code: 843221006921



9K 98 98 20 US

Component	Description
74 08 250 US	10" High Leverage Diagonal Cutting Pliers
02 08 250 US	10" Alligator® Water Pump Pliers
9T 53704	MAXXPRO VDE Slotted (3/32") 4.0 x 100
9T 53706	MAXXPRO VDE Slotted (1/4") 6.5 x 175
9T 53712	MAXXPRO VDE Phillips #2 x 100

5 Pc. Insulated High Leverage Set 9K 98 98 22 US

IEC 60900 ASTM F1505
UPC Code: 843221005573



9K 98 98 22 US

Component	Description
74 08 250 US	10" High Leverage Diagonal Cutting Pliers
09 08 240 US	9 1/2" Lineman's Pliers
9T 53705	MAXXPRO VDE Slotted (7/32") 5.5 x 125
9T 53712	MAXXPRO VDE Phillips #2 x 100
9T 54812	MAXXPRO VDE Robertson Square #2 x 100

5 Pc. Insulated Tradesman Set 9K 98 98 21 US

IEC 60900 ASTM F1505
UPC Code: 843221005566



9K 98 98 21 US

Component	Description
74 08 200 US	8" High Leverage Diagonal Cutting Pliers
02 08 225 US	9" High Leverage Combination Pliers
9T 53705	MAXXPRO VDE Slotted (7/32") 5.5 x 125
9T 53712	MAXXPRO VDE Phillips #2 x 100
9T 54812	MAXXPRO VDE Square #2 x 100

7 Pc. Insulated Tool Set 9K 98 98 25 US

IEC 60900 ASTM F1505
UPC Code: 843221005580

- in a roll-up ballistic material pouch



9K 98 98 25 US

Component	Description
26 18 200 US	8" Long Nose Side Cutting Pliers
74 08 200 US	8" High Leverage Diagonal Cutting Pliers
02 08 225 US	9" High Leverage Combination Pliers
88 08 250 US	10" Alligator® Water Pump Pliers
9T 53705	MAXXPRO VDE Slotted (7/32") 5.5 x 125
9T 54812	MAXXPRO VDE Square #2 x 100
9T 53712	MAXXPRO VDE Phillips #2 x 100



7 Pc. Insulated Tool Set 9K 98 98 26 US

IEC 60900 ASTM F1505
UPC Code: 843221005597

- in a roll-up ballistic material pouch



9K 98 98 26 US

Component	Description
26 18 200 US	8" Long Nose Side Cutting Pliers
09 08 240 US	9 1/2" High Leverage Lineman's Pliers
88 08 250 US	10" Alligator® Water Pump Pliers
74 08 250 US	10" Diagonal Cutting Pliers
9T 53705	MAXXPRO VDE Slotted (7/32") 5.5 x 125
9T 54812	MAXXPRO VDE Square #2 x 100
9T 53712	MAXXPRO VDE Phillips #2 x 100

7 Pc. Insulated Tool Set 9K 98 98 27 US

IEC 60900 ASTM F1505
UPC Code: 843221006938

- in a roll-up ballistic material pouch



9K 98 98 27 US

Component	Description
26 18 200 US	8" Long Nose Side Cutting Pliers
74 08 200 US	8" High Leverage Diagonal Cutting Pliers
02 08 225 US	9" High Leverage Combination Pliers
88 08 250 US	10" Alligator® Water Pump Pliers
9T 53704	MAXXPRO VDE Slotted (5/32") 4.0 x 100
9T 53706	MAXXPRO VDE Slotted (1/4") 6.5 x 150
9T 53712	MAXXPRO VDE Phillips #2 x 100

10 Pc. Insulated Industrial Tool Set 9K 98 98 30 US

IEC 60900 ASTM F1505
UPC Code: 843221005603

- shock-resistant plastic case



9K 98 98 30 US

Component	Description
02 08 225 US	9" High Leverage Combination Pliers
26 18 200 US	8" Long Nose Side Cutting Pliers
74 08 200 US	8" Diagonal Cutting Pliers
88 08 250 US	10" Alligator® Water Pump Pliers
95 18 165 US	6 1/4" Cable Shears
9T 53704	MAXXPRO VDE Slotted (5/32") 4.0 x 100
9T 54812	MAXXPRO VDE Square #2 x 100
9T 53706	MAXXPRO VDE Slotted 1/4" 6.5 x 150
9T 53712	MAXXPRO VDE Phillips #2 x 100
9T 53711	MAXXPRO VDE Phillips #1 x 80

10 Pc. Insulated Tool Set 9K 98 98 31 US

IEC 60900 ASTM F1505
UPC Code: 843221005610

- shock-resistant plastic case



9K 98 98 31 US

Component	Description
09 08 240 US	9 1/2" High Leverage Lineman's Pliers
26 18 200 US	8" Long Nose Side Cutting Pliers
74 08 250 US	10" High Leverage Diagonal Cutting Pliers
88 08 250 US	10" Alligator® Water Pump Pliers
95 18 165 US	6 1/4" Cable Shears
9T 53704	MAXXPRO VDE Slotted (5/32") 4.0 x 100
9T 54812	MAXXPRO VDE Square #2 x 100
9T 53706	MAXXPRO VDE Slotted (1/4") 6.5 x 150
9T 53712	MAXXPRO VDE Phillips #2 x 100
9T 53711	MAXXPRO VDE Phillips #1 x 80