



# ELECTRICAL PLIERS & CUTTERS

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# Electrical Insulated Tools

**Pro'sKit® Insulated VDE Series** come with high visibility molded ergonomic cushion handles for maximum comfort to ensure full force transfer through the grip. They also have been tested for dielectric strength under 10,000 Volts in a water bath in accordance with DIN EN 60900 (IEC 60900:2004) to encourage the users to trust a reliable insulation when live working up to 1000 Volt.

VDE tools are often used under extreme conditions, such as very low or very high temperature. Pro'sKit Insulation VDE Series are made from high grade materials, which have been tested by low-temperature impact test, high-temperature adhesive power test and burning test to offer more safety to users.



1000V 11  
IEC 60900



## Safety Caution



- Please keep your insulated tools dry and clean.
- Wear protective goggles and gloves when working.
- Do not touch the non-insulated parts when working live.

## Testing Procedure



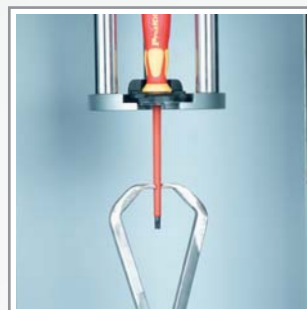
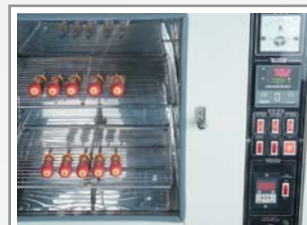
### Dielectric Strength Test

Individual immersion test at 10,000 Volt to guarantee safety working up to 1000 Volt.



### Low-temperature Impact Test

Cool the tools to -40°C then conduct the impact test. The insulation must retain its toughness and not break.



### High-temperature Adhesive Power Test

After storage for 168 hours at 70°C, pull the insulated part with tensile force of 500Nm for 3 minutes. This test ensures that the insulation still stays firm and remain snug against the tool body.



### Burning Behavior Test

Pro'sKit® insulated tools use flame-resistant plastics for insulation to protect users.

## ▶ 902-202 Insulated Wire Stripping Plier



Material	HRC	Application		OAL. (mm/inch)
	Body	Hard steel	Soft steel	
AISI 6150	46±4°	Adjustable to accept conductors up to 10mm/8AWG overall diameter		160/6.3

## ▶ 902-206 Insulated Side Cutter



Material	HRC	Application		OAL. (mm/inch)
	Body	Hard steel	Soft steel	
AISI 6150	46±4°	Ø2.0mm/12AWG	Ø2.8mm/10AWG	165/6.5

## ▶ 902-205 Insulated Heavy Duty Side Cutter



Material	HRC	Application		OAL. (mm/inch)
	Body	Hard steel	Soft steel	
AISI 6150	46±4°	Ø2.7mm/10AWG	Ø3.8mm/8AWG	200/7.9

## ▶ 902-203 Insulated Combination Plier



Material	HRC	Application		OAL. (mm/inch)
	Body	Hard steel	Soft steel	
AISI 6150	46±4°	Ø2.5mm/10AWG	Ø3.8mm/8AWG	195/7.7

## ▶ 902-204 Insulated Combination Plier

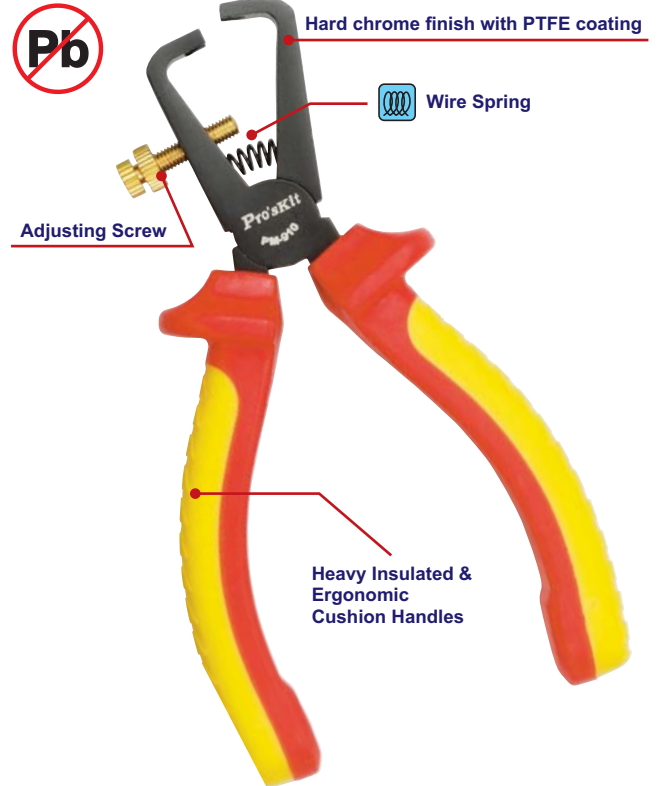


Material	HRC	Application		OAL. (mm/inch)
	Body	Hard steel	Soft steel	
AISI 6150	46±4°	Ø2.0mm/12AWG	Ø3.1mm/8AWG	175/6.9

## Insulated VDE Pliers



- Certified to IEC 60900: 2004, VDE, and DIN 1,000V safety standards and bear GS sign.
- High visibility molded ergonomic cushion handle for maximum comfort.
- Hard chrome finish with PTFE coating for anti-rust protection. Drop forged from special tool steel.



Individual packing: Blister Card

## ▶ 902-207 Insulated Long Nose Plier



Material	HRC	Application		OAL. (mm/inch)
	Body	Hard steel	Soft steel	
AISI 6150	46±4°	Ø2.2mm/12AWG	Ø3.2mm/8AWG	200/7.9

## ▶ 902-208 Insulated Long Nose Plier



Material	HRC	Application		OAL. (mm/inch)
	Body	Hard steel	Soft steel	
AISI 6150	46±4°	Ø1.6mm/14AWG	Ø2.5mm/10AWG	170/6.7

TESTERS

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ELECTRICAL PLIERS & CUTTERS

KNIVES, SCISSORS & SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN TOOLS

SOLDERING / ASSEMBLY

SCREWDRIVERS/ BITS

HEX KEY/ WRENCHES

SOCKET WRENCHES

TWEEZERS

## High Leverage Pliers



- New mechanical design, up to 50% cutting force saving than regular pliers
- Induction-hardened cutting edge stay sharp for a long service life, hardness approx. HRC56°~62°
- Hot-riveted joint ensures smooth action and no handle wobble
- Made from Cr-V steel with nickel plating for corrosion resistance
- Ergonomically shaped non-slip TPR handle for user comfort

Material: 60Cr-V  
Cutting edge: HRC56°~62°

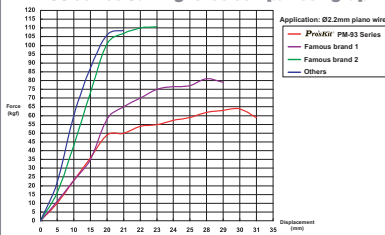


Nickel plating for  
corrosion resistance

New mechanical design,  
up to 50% force saving

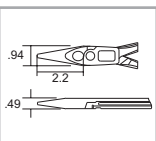
Ergonomically shaped  
non-slip  
TPR handle

PM-93 series Cutting force comparison graph



Individual packing: Blister Card

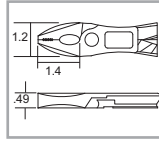
### PM-938 8" High Leverage Long Nose Plier



Unit: inch

Material	HRC		Application Hard steel	OAL. (mm/inch)
	Body	Cutting edge		
60Cr-V	46°± 2°	59°± 3°	Ø2.0mm/12AWG (HRC40°~43°)	207/8.2

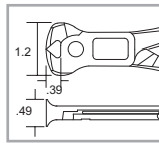
### PM-931 8.5" High Leverage Combination Cutting Plier



Unit: inch

Material	HRC		Application Hard steel	OAL. (mm/inch)
	Body	Cutting edge		
60Cr-V	46°± 2°	59°± 3°	Ø2.2mm/12AWG (HRC40°~43°)	215.5/8.5

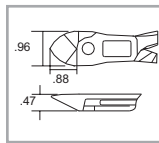
### PM-934 7.5" High Leverage End Cutting Plier



Unit: inch

Material	HRC		Application Hard steel	OAL. (mm/inch)
	Body	Cutting edge		
60Cr-V	46°± 2°	59°± 3°	Ø2.0mm/12AWG (HRC40°~43°)	189/7.4

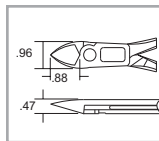
### PM-936 8" High Leverage Diagonal Cutting Plier



Unit: inch

Material	HRC		Application Hard steel	OAL. (mm/inch)
	Body	Cutting edge		
60Cr-V	46°± 2°	59°± 3°	Ø2.0mm/12AWG (HRC40°~43°)	201.5/7.9

### PM-937 7" High Leverage Diagonal Cutting Plier



Unit: inch

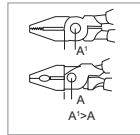
Material	HRC		Application Hard steel	OAL. (mm/inch)
	Body	Cutting edge		
60Cr-V	46°± 2°	59°± 3°	Ø2.0mm/12AWG (HRC40°~43°)	177/7.0

# Tungsten Steel Pliers & Cutters

- Tungsten steel cutting edge, hardness of HRC up to 72°±2° providing high durability, long service life and anti-rust.
  - High leverage powerful diagonal cutter
  - High quality PVC handle will not easily come off
- Individual packing: Blister Card

**5 times longer lifetime**  
than traditional pliers  
**Cost saving**

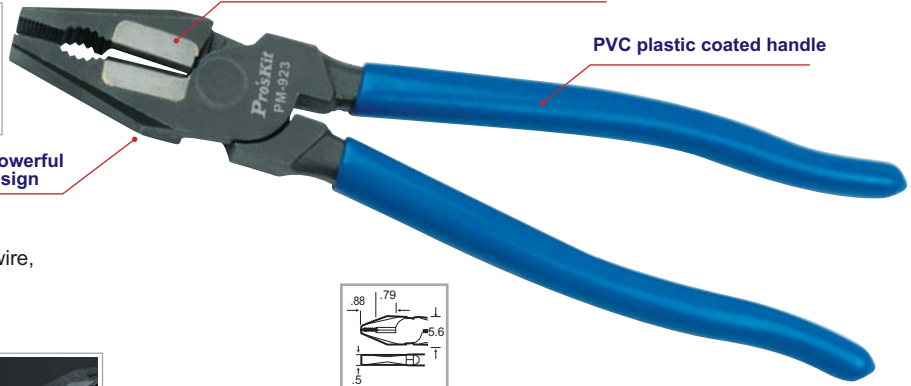
## ▶ PM-923 Tungsten Diagonal Cutting Plier



High leverage powerful  
Force saving design

Material: SAE 6140 & tungsten double alloy steel  
Hardness: HRC 45°±3°  
Steel cutting edge hardness: 72°±2°

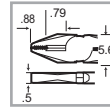
PVC plastic coated handle



- Precisely cuts wire rope strand, steel wire, spring steel wire, steel nail, piano wire (under HRC 50°)

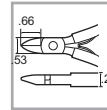


• Cutting capacity: piano wire Ø2.5mm(.10") under HRC 50°



Material	HRC		Application			OAL. (mm/inch)
	Body	Cutting edge	Hard steel	Soft steel	Copper	
SAE 6150 + Tungsten	45°±3°	72°±2°	Piano wire: Ø2.5mm (under HRC: 50°)	Ø 3.0mm 8AWG	Ø 5.5mm 4AWG	225/8.9

## ▶ PM-925 Tungsten Diagonal Cutting Plier



Unit: inch

- Precisely cuts dot matrix printer firing pin, wire spring, piano wire, hard steel components pin (under HRC 50°)
- Spring-loaded for self-opening action to supply smooth operation

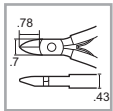
Material	HRC		Application			OAL. (mm/inch)
	Body	Cutting edge	Hard steel	Soft steel	Copper	
SAE 6140 + Tungsten	45°±3°	72°±2°	Piano wire: Ø0.5mm (under HRC: 50°)	Ø 1.6mm 14AWG	Ø 2.0mm 12AWG	125/4.9

## ▶ Tungsten Diagonal Cutting Plier



- Precisely cuts dot matrix printer firing pin, wire spring, piano wire, hard steel components pin (under HRC 50°)
- Spring-loaded for self-opening action to supply smooth operation

### PM-955

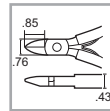


Unit: inch



Material	Handle	HRC		Application			OAL. (mm/inch)
		Body	Cutting edge	Piano Wire	Soft steel	Copper	
SAE 6140 + Tungsten	PVC	45°±3°	72°±2°	Ø 0.5mm under HRC: 50°	Ø 1.6mm 14AWG	Ø 2.0mm 12AWG	130/5.1

### PM-956



Unit: inch

Material	Handle	HRC		Application			OAL. (mm/inch)
		Body	Cutting edge	Piano Wire	Soft steel	Copper	
SAE 6140 + Tungsten	PVC	45°±3°	72°±2°	Ø 0.5mm under HRC: 50°	Ø 1.6mm 14AWG	Ø 2.0mm 12AWG	160/6.3

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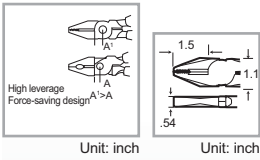
HEX KEY/ WRENCHES

SOCKET WRENCHES

TWEEZERS

## Steel Wire Cutting Crimping Plier

- Made of high quality SCM440 hot-riveted design features smooth, wobble-free operation.
- The high-leverage design provides greater cutting and gripping power
- Special design for cutting round cable with multi-conductor up to  $\varnothing 3/8"$



PM-924

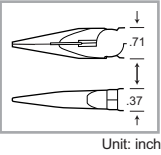


Serrated jaw for gripping

Crimping non-insulated terminals

Cutting up to  $\varnothing 3/8"$ 

## 100-021 Long Nose Plier

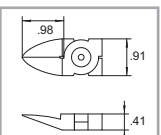


Unit: inch

Material	HRC Body	Application			OAL. (mm/inch)
		Hard steel	Soft steel	Copper	
S60C	48 $\pm$ 3 $^{\circ}$	$\varnothing 1.2\text{mm}$ 16AWG	$\varnothing 2.0\text{mm}$ 12AWG	$\varnothing 2.6\text{mm}$ 10AWG	160/6.3

Individual packing: Blister Card

## 902-049 Plastic Cutting Plier



Unit: inch

Material	HRC		Application	OAL. (mm/inch)
	Body	Cutting edge		
S55C	45 $\pm$ 3 $^{\circ}$	55 $\pm$ 3 $^{\circ}$	plastic	185/7.3

Individual packing: Blister Card

This series of pliers are made for plastic cutting only

## PM-924 9" Steel Wire Cutting Crimping Plier



Material		HRC		Application	OAL. (mm/inch)
Body	Handle	Body	Cutting edge		
SCM440	TPR	45 $\pm$ 3 $^{\circ}$	61 $\pm$ 3 $^{\circ}$	For cutting round cable up to $\varnothing 9.2\text{mm}$ ( $\varnothing 3/8"$ ) and crimping non-insulated terminals with wire 1.25/2.0/5.5/8mm <sup>2</sup> /AWG22-16/16-14/12-10/8	225/8.9

## 902-307 9.5" Lineman's Plier



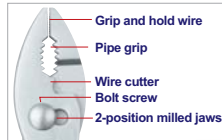
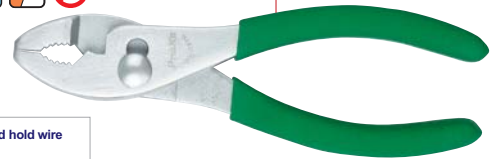
Material	HRC Body	Application		OAL. (mm/inch)
		Hard steel	Soft steel	
Cr-V	45 $\pm$ 3 $^{\circ}$	Piano wire: $\varnothing 2.5\text{mm}$ 10AWG	$\varnothing 3.0\text{mm}$ 8AWG	238/9.5

Individual packing: Blister Card

## 100-033 6" Slip-Joint Pliers



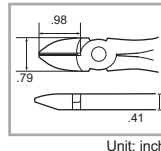
Plastic coated handle Non-slip



Model No.	Material	HRC Body	Handle		OAL. (mm/inch)
			PVC		
PN-086N	S45C	38 $\pm$ 3 $^{\circ}$	PVC		154/6.1

Individual packing: Blister Card

## 200-038 6" Diagonal Cutter

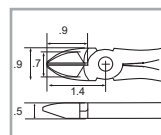


Unit: inch

Material	HRC Body	Application			OAL. (mm/inch)
		Hard steel	Soft steel	Copper	
S60C	48 $\pm$ 3 $^{\circ}$	$\varnothing 1.2\text{mm}$ 16AWG	$\varnothing 2.0\text{mm}$ 12AWG	$\varnothing 2.6\text{mm}$ 10AWG	160/6.3

Individual packing: Blister Card

## 902-246 8" Diagonal Cutter



Unit: inch

Material	HRC Body	Application			OAL. (mm/inch)
		Hard steel	Soft steel	Copper	
S55C	45 $\pm$ 3 $^{\circ}$	$\varnothing 0.8\text{mm}$ 20AWG	$\varnothing 2.0\text{mm}$ 12AWG	$\varnothing 2.6\text{mm}$ 10AWG	200/7.9

Individual packing: Blister Card

### ▶ 100-039 Multi-Crimp Tool

- Wire cutter in nose
- Plastic-coated handle
- For crimping non-insulated terminals from 10 to 22 AWG



Material	Handle	HRC Body	Application		OAL. (mm/inch)
			Hard steel	Crimping	
S60C	PVC	42°±3°	ø1.6mm 14AWG	Non-insulated terminal 10 ~ 22 AWG	248/9.8

Individual packing: Blister Card

### ▶ 200-063 Wire Rope and Armored Cable Cutter

- Special cutting action for cutting wire strand cable armour, electric cable, metal wire and rods.
- Distortion free cut
- Spring loaded handle

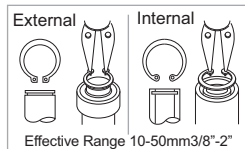


Material		HRC Cutting edge	Application	OAL. (mm/inch)
Body	Blade			
S55C+PVC	SK5	55°±3°	Cutting: Ø4mm/6AWG (Copper) Wire rope: Ø1.5mm/14AWG spring wire	190/7.5

Individual packing: Blister Card

### ▶ 100-022 Snap Ring Plier Set

- 3 convertible tip jaws can be changed easily for 6 different internal-external purposes.



Material	Handle	HRC Body	Application		OAL. (mm/inch)
			Hard steel	Effective range: 10~50mm (3/8"-2")	
S45C	PVC	43°±3°			155/6.1

Individual packing: Blister Card

### ▶ 300-151 Strain Relief Bushing Assembly Tool



- Designed to install all sizes of strain relief bushing
- Close lock and return spring function

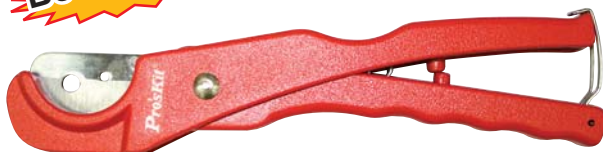


Material	Handle	Hardness Body	Application	OAL. (mm/inch)

Individual packing: Blister Card

### ▶ SR-008 PVC Pipe Cutter (Economy type)

- Ideal for cutting PVC, Aluminum or plastic pipes



Material	HRC		Application	OAL. (mm/inch)
	Body	Blade Cutting edge		
Aluminum alloy	3Cr13	53°±3°	Product characteristics: cuts PVC, Aluminum or plastic pipes. Scope of cut: rigid plastic pipes to a maximum diameter of 26mm	210/8.3

Individual packing: Blister Card

### ▶ 200-039 Plastic Pipe Cutter



Ratcheting force-saving design

Material		Application	Replacement blade	OAL. (mm/inch)
Body	Blade			
Aluminum alloy	SK5	Ø6~42mm/ 1/4"~5/8" OD. plastic pipes	200-045	195/7.7

Individual packing: Blister Card

## SR-228 Copper Clad Steel Coaxial Cable Cutter



- Body made of high quality S45C with black oxide finish for anti-rust.
- Palm-fit ergonomic cushion grip handle provides user comfort.
- Adjustable screw and nut ensures proper fix and durability
- Safety lock for easy storage

**New**



For cutting steel center conductor and keeping cable round

## 200-015 6 1/2" Round Cable Cutter



- Made of S45C carbon steel
- Safety lock for easy storage
- For cutting Multi-conductor cable up to 0.5" (12.7mm) and Strand wire up to 8 AWG (10mm<sup>2</sup>)



Cutting round cable



Spring



Safety lock



## 200-046 Round Cable Cutter



- Made of S45C carbon steel
- Safety lock for easy storage
- For cutting Thick wire up to 2/0 (70mm<sup>2</sup>/00AWG) cable, 100 pair group telephone cable size



Spring



Safety lock



Cutting round cable



Model No.	Material	HRC		Handle	Application	OAL. (mm/inch)
		Body	Body			
SR-228	S45C	50 $\pm$ 2°	PVC		RG-6, RG-58, RG-59 copper clad steel coaxial cable max. 16mm <sup>2</sup>	159/6.3
200-015		45 $\pm$ 3	PVC		38mm <sup>2</sup> flexible/3AWG	165/6.5
200-046		45 $\pm$ 3	PVC		16mm <sup>2</sup> solid/4AWG, 35mm <sup>2</sup> stranded/2AWG, 70mm <sup>2</sup> flexible/00AWG	215/8.5

Individual packing: Blister Card

## 200-068/200-013/200-069 Forged Cable Cutter



- This heavy duty cable cutter has high-leverage jaw with shear-cut blades.
- Do not cut steel or ACSR.
- Plastic coated handle.



Cuts up to 70mm<sup>2</sup>/00AWG aluminum and copper cables (200-069)

200-068



200-013



200-069



Model No.	Material	HRC		Handle	Application		OAL. (mm/inch)
		Body	Cutting edge		Copper cable	Aluminum cable	
200-068	SCM 440	45 $\pm$ 3	60 $\pm$ 5°	PVC	25mm <sup>2</sup> flexible/4AWG	25mm <sup>2</sup> stranded/4AWG	160/6.3
200-013	SCM 440	45 $\pm$ 3	60 $\pm$ 5°	PVC	38mm <sup>2</sup> flexible/3AWG	38mm <sup>2</sup> stranded/3AWG	210/8.3
200-069	S45C	45 $\pm$ 3	60 $\pm$ 5°	PVC	16mm <sup>2</sup> solid/4AWG, 35mm <sup>2</sup> stranded/2AWG, 70mm <sup>2</sup> flexible/00AWG	70mm <sup>2</sup> stranded/00AWG	235/9.3

Individual packing: Blister Card



## SR-538 Ratchet Cable Cutter 750MCM



**New Innovation  
Industrial Grade**

Material: SAE4340  
Cutting edge: HRC 46 $\pm$ 2\*

Ratchet release trigger

Handle lock

Material: S45C

Material: PP



Cutting cables up to 750MCM (300mm<sup>2</sup>)

Application	Replacement blade	OAL. (mm/inch)
750MCM(300mm <sup>2</sup> ) Copper and Aluminum cable	5SR-538-RB (Moving blade) 5SR-538-FB (Fixed blade)	335/13.2

Not designed for cutting steel or ACSR

Individual packing: Inner box+ color label

## 200-006 Round Cable Cutter 500MCM



- Cut Ø32mm(1-1/4") and smaller hard-drawn copper and aluminum cables.
- Case hardened blades improve performance and cutting life.
- Unique ratchet design ensures a non-slip cut, and increases cutting power on tough jobs.
- Cut up to 350 MCM copper 500 MCM Al-jacketed S.O. cord up to Ø1-1/4" (Ø32mm) dia or up to 200 Pair Communication cable.



Material		Hardness		Handle	Application	Replacement blade	OAL. (mm/inch)
Body	Blade	Body	Cutting edge				
Low carbon steel	SAE 4340	HR 30N 55~70	HRC 45 $\pm$ 3	PVC	Ø32mm copper & Aluminum cable	200-034 (Moving blade) 200-035 (Fixed blade)	254/10

Not designed for cutting steel or ACSR

Individual packing: Blister Card

## 200-043 24" Heavy Duty Cable Cutter



- SCM4 Chrome-Vanadium-Steel forged, efficient and secure in operation.
- Alloy-Aluminum handle, treated by T6 heat, strong durable and handy.

SCM4 Chromium-Molybdenum steel;  
efficient and secure in operation

Aluminum handles with  
non-fracture character

Soft rubber sleeves handle

200-043

Model No.	Material	HRC	Application	OAL. (mm/inch)	Individual packing
200-043	Blade: SCM4	Blade: 52 $\pm$ 2*	Copper cable: DIN 250mm <sup>2</sup> /500MCM	600/23.6	Inner box + Color label

TESTERS

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& SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN  
TOOLS

SOLDERING /  
ASSEMBLY

SCREWDRIVERS/  
BITS

HEX KEY/  
WRENCHES

SOCKET  
WRENCHES

TWEEZERS