



SAFETY CATALOG

THE ELECTRICIAN'S
CHAMPIONTM



IDEALIND.COM

YOUR SAFETY IS OUR #1 CONCERN

A leader in personal safety for professional electricians, IDEAL® Safety, Health and Environment products comply with ASTM requirements and OSHA regulations. Every day we are protecting lives with the products we provide, from 1000 volt insulated tools to Lockout/Tagout equipment, Clamp Meters, S-Class® Fish Tapes, specialty connectors and more.

IDEAL continuously works on methods and equipment that provide the maximum in performance to assure your safety and health while delivering better environment solutions that leave a small footprint.

Training...essential in keeping you safe whatever the job.

The proper use of materials and tools can mean the difference to your personal safety and health. IDEAL provides state-of-the-art training to give you the best methods and utilization of this equipment through hands-on demonstrations, peer discussions and on-site applications.

Training consists of several proven methods of:

- Lockout/Tagout Safety and Procedures
- Arc Flash Safety and 1000 volt Insulated Tools
- Test and Measurement Equipment and procedures

For more details on available training programs, please contact IDEAL customer service or your local IDEAL resource representative.

THE ELECTRICIAN'S
CHAMPION™

TABLE OF CONTENTS

LOCKOUT/TAGOUT

Kits.....	1-4
Stations.....	4, 5
Breaker Lockout Devices.....	5, 6
Plug Lockouts.....	6, 7
Circuit Breaker Lockout System.....	6
Miscellaneous Lockout Devices.....	7
Safety Padlocks, Labels and Lockout Tags.....	8
Signs, Voltage Markers.....	9
Underground Tapes.....	10
Barricade Tapes.....	11
Compatibility Chart.....	12-18
Insulated Kits and Tools.....	19-23
Fuse Pullers.....	24

SUPPLIES

Fish Tapes.....	25
-----------------	----

TEST & MEASUREMENT

TightSight™ Clamp Meters.....	26
700 Series 4-in-1 Tester.....	27
Multimeters.....	27
Circuit Analyzers.....	28
Circuit Tracers.....	29 - 31
Solenoid Testers.....	32
GFCI Circuit Tester.....	32
Vol-Con® Testers.....	32
Insulation Testers.....	32
Circuit Breaker Finders.....	33
Split-Jaw™ Smart Meter.....	33
3 Phase/Motor Rotation Tester.....	34

WIRE CONNECTORS

PowerPlug® Luminaire Disconnects.....	35
SpliceLine® In-Line Wire Connectors.....	35
WeatherProof and UnderGround Wire Connectors.....	36
Twister® Al/Cu Wire Connectors.....	37

Starter Lockout/Tagout Kit



- A starter selection of the lockout/tagout devices every electrician/maintenance person needs
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description	Part No.	
Starter Lockout/Tagout Kit	44-973	
Kit Includes:	Qty.	Part No.
Universal Multi-Pole Lockout	1	44-783
1 in. Safety Lockout Hasp	1	44-800
Universal 277V Breaker/Single-Pole Lockout	1	44-809
110V Plug Lockout	1	44-818
Striped Lockout Tags - Do Not Operate	2	44-849
3/4 in. Shackle Red Padlock	1	44-906
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.

Basic Lockout/Tagout Kit



- A great selection of the most popular lockout/tagout devices
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description	Part No.	
Basic Lockout/Tagout Kit	44-970	
Kit Includes:	Qty.	Part No.
Universal Multi-Pole Breaker Lockout	1	44-783
Wall Switch Lockout	1	44-789
1 in. Safety Lockout Hasp	1	44-800
480/600V Breaker Lockout	1	44-807
Universal 277V Breaker Lockout/Single Pole	1	44-809
Hinged Single-Pole Breaker Lockouts	2	44-810
110V Plug Lockout	1	44-818
Striped Lockout Tags - Do Not Operate	5	44-849
3/4 in. Red Padlock	1	44-906
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.

Standard Lockout/Tagout Kit



- Excellent selection of lockout/tagout devices, tags and locks for maintenance workers or contractors
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description	Part No.	
Standard Lockout/Tagout Kit	44-971	
Kit Includes:	Qty.	Part No.
Hinged Single-Pole Breaker Lockouts	3	44-810
Universal 277V Breaker Lockouts/Single Pole	2	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockout	1	44-789
110V Small Plug Lockout	1	44-818
2 in. Shackle Red Padlocks	2	44-907
1 in. Safety Lockout Hasps	2	44-800
Lockout Tags - Do Not Operate	5	44-848
Striped Lockout Tags - Do Not Operate	5	44-849
Cleat for 277V Breaker Lockout	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Universal Multi-Pole Breaker Lockouts	2	44-783
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.

Job Site Lockout/Tagout Kit



- Perfect kit for individual workers; padlocks keyed-alike for worker convenience
- Excellent selection of lockout/tagout devices, tags and keyed-alike padlocks for most applications

Description	Part No.	
Job Site Lockout/Tagout Kit	44-979	
Kit Includes:	Qty.	Part No.
Circuit Breaker Lockouts - tall and wide toggles	2	44-956
Circuit Breaker Lockouts - standard single and double toggles	3	44-957
Circuit Breaker Lockout Padlock	1	—
Red Lockout Padlocks	3	44-916
1 in. Safety Lockout Hasp	1	44-800
Red Labeled Lockout	1	44-791*
Universal Wall Switch Lockout	1	44-772
Lockout Tags - Do Not Operate (striped)	12	44-833*
Tool Box*** (12 in. x 6 in. x 6 in.)	1	IA-3241

*Master Lock® equivalent.

***Tool box color may vary.

Master Lock® is a registered trademark of Master Lock Company LLC.

Plant Facility Lockout/Tagout Kit



- Ideal for plant facility personnel to keep all lockout/tagout devices in one convenient place
- Polypropylene plastic tool box resists oil and chemicals

Description	Part No.	
Plant Facility Lockout/Tagout Kit	44-972	
Kit Includes:	Qty.	Part No.
Hinged Single-Pole Breaker Lockouts	5	44-810
Universal 277V Breaker/Single Pole Lockouts	3	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockouts	2	44-789
110V Plug Lockout	1	44-818
1 in. Safety Lockout Hasps	3	44-800
Red Labeled Lockout	1	44-791
220/550V Plug Lockout	1	44-819
Striped Lockout Tags - Do Not Operate	10	44-849
Fuse Blockout	1	44-815
Fuse Blockout	1	K-7349
Gate Valve Lockout	1	44-824
Cleat for 277V Breaker Lockout	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Universal Multi-Pole Breaker Lockouts	3	44-783
Tool Box* (12 in. x 6 in. x 6 in.)	1	IA-3241

Quantities listed in kit description are for individual pieces, not carded packages.

*Tool box color may vary.

Industrial Lockout/Tagout Kit



- An industrial selection of lockout/tagout devices
- Polypropylene plastic tool box resists oil and chemicals

Description	Part No.	
Industrial Lockout/Tagout Kit	44-974	
Kit Includes:	Qty.	Part No.
Hinged Single-Pole Breaker Lockouts	3	44-810
Universal 277V Breaker/Single Pole Lockouts	2	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockout	1	44-789
110V Small Plug Lockout	1	44-818
Ball Valve Lockout	1	44-820
1 in. Safety Lockout Hasps	2	44-800
Red Labeled Lockout	1	44-791
220/550V Plug Lockout	1	44-819
Striped Lockout Tags - Do Not Operate	10	44-849
Fuse Blockout	1	44-815
Fuse Blockout	1	K-7349
Gate Valve Lockout	1	44-824
Cleat for 277V Breaker Lockout	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Red Lockout Padlocks	4	44-916
Universal Multi-Pole Breaker Lockouts	2	44-783
Tool Box* (12 in. x 6 in. x 6 in.)	1	IA-3241

Quantities listed in kit description are for individual pieces, not carded packages.

*Tool Box color may vary.

Group Lock Box

- Helps ensure maximum security for complex work team situations
- Allows up to 13 individuals to personally lock the closed box
- Heavy-duty steel construction resists unauthorized entry and job-site abuse
- Compact 8-3/4 in. x 3-1/2 in. x 6 in. design



Description	Part No.
Group Lock Box	44-804

Personal Lockout/Tagout Pouch Kit



- Easy to carry, zippered pouch holds a worker's personal padlocks and other small devices

Description	Part No.
Personal Lockout/Tagout Pouch Kit	44-969
Kit Includes:	Qty. Part No.
1 in. Safety Lockout Hasp	1 44-800
Lockout Tags	12 44-833
Red Safety Padlocks - Keyed Alike	3 44-916
Personal Lockout Pouch	1 -

Industrial Lockout/Tagout Station



- Large Lockout/Tagout Station can be wall mounted or easily transported
- All metal, lockable cabinets come with two adjustable shelves
- Lockout safety tips are conveniently located inside of door for frequent reminders of proper lockout procedures

Description	Part No.
Industrial Lockout/Tagout Station (16 in. H x 16 in. W x 6 in. D)	44-975
Kit Includes:	Qty. Part No.
Hinged Single-Pole Breaker Lockouts	2 44-810
Universal Single-Pole Breaker Lockouts	2 44-809
Cleat for Universal Single-Pole Lockouts	2 44-785
Universal Multi-Pole Breaker Lockouts	2 44-783
480/600V Breaker Lockout	1 44-807
Cleat for 480/600V Breaker Lockout	1 44-786
Wall Switch Lockout	1 44-789
1 in. Safety Lockout Hasps	3 44-800
Red Safety Padlocks	4 44-916
100V Small Plug Lockout	1 44-818
220/550V Plug Lockout	1 44-819
Lockout Tags - Do Not Operate	10 44-849
Gate Valve Lockout - 1 in. to 2-1/2 in.	1 44-824
Gate Valve Lockout - 2-1/2 in. to 5 in.	1 44-825
Ball Valve Lockout	1 44-820
Pneumatic Lockout	1 44-774
Cabinet	1 IA-4989

Quantities listed in kit description are for individual pieces, not carded packages.

Lock Stations



44-778



44-806

- Resilient polycarbonate material provides twice the heat resistance and quadruple the impact strength of typical stations
- Lockable cover prevents loss of valuable safety products and innovative hinge holds cover open for easy product selection

Description	Part No.	
Four-Lock Station Kit	44-778	
Kit Includes:	Qty.	Part No.
Four-Lock Station Board	1	—
Safety Padlocks, Red	4	44-916
Heavy-Duty Lockout Tags	12	—
1 in. Safety Lockout Hasps	2	44-800

Description	Part No.	
Ten-Lock Station Kit	44-806	
Kit Includes:	Qty.	Part No.
Ten-Lock Station Board	1	—
Safety Padlocks, Red	10	44-916
Heavy-Duty Lockout Tags	24	—
1 in. Safety Lockout Hasps	2	44-800

Hinged Single-Pole Breaker Lockouts

- Hinged single-pole lockout with locking post design, locks lever in off position to isolate and prevent breaker use
- Ideal for applications where panel closure is preferred



Description	Quantity	Part No.
Hinged Single-Pole Breaker Lockouts	3	44-810
	100	44-1810

Universal 120/277V Breaker Lockouts

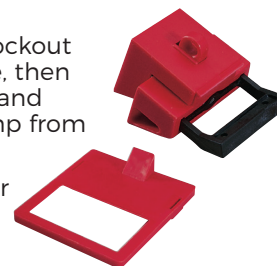
- Use thumbscrew to clamp lockout securely on to switch tongue, then pull cover over thumbscrew and lock in place to prevent clamp from being loosened
- Blade design provides tighter grip with less torque on thumbscrew



Description	Quantity	Part No.
Single-Breaker Lockouts	3	44-809
Cleat for Single-Pole Breaker Lockouts	3	44-785
Single-Pole Breaker Lockouts	50	44-1809

480/600V Single/Multi-Pole Breaker Lockouts

- Use thumbscrew to clamp lockout securely on to switch tongue, then pull cover over thumbscrew and lock in place to prevent clamp from being loosened
- Blade design provides tighter grip with less torque on thumbscrew



Description	Quantity	Part No.
480/600V Single/ Multi-Pole Lockout	1	44-807
480/600V Single/Multi-Pole Lockouts	50	44-1807
Cleat for 480/600V Single/Multi-Pole Lockouts	2	44-786

Large Breaker Lockout

- Designed to lockout large 480/600V breaker switches up to 2-1/2 in. wide and 7/8 in. thick
- Easy to install – no tools required



Description	Quantity	Part No.
Large Breaker Lockout	1	44-823

Multi-Pole Breaker Lockout

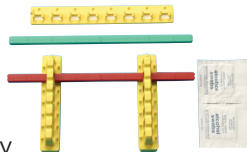
- Works with most major multi-pole breakers with tie-bar type switches from major brands including GE, ITE Sylvania, Challenger, Bryant, Westinghouse, SQUARE D (2/3 poles) and General Switch Co.
- Easy to install – thumbscrew secures and locks tie bar in place; no cable ties or tools required



Description	Quantity	Part No.
Multi-Pole Breaker Lockout	1	44-783

Oversized Circuit Breaker Lockout System

- Unique Lockout system for over-sized 480/600V circuit breakers
- System can be permanently installed into an electrical panel putting all lockout items at the point of need
- Easy installation of adhesive mounting rails – no tools required
- Pegs in mounting rails mate with holes in locking arms for security of arm when lock is in place
- Red arms lock off, green arms lock on



Description	Quantity	Part No.
Oversized Circuit Breaker System	1	44-822

Circuit Breaker Lockouts



44-956



44-957

- Attaches securely to breaker with simple thumb turn and clamping handle
- 44-956 is designed for breakers with wide or tall toggles
- 44-957 fits standard height and tie-bar toggles
- The narrow profile permits side-by-side breaker lockout

Description	Part No.
Circuit Breaker Lockout	44-956
	44-957

Plug Lockouts

- Accommodates a variety of electrical plug and cord sizes to prevent accidental connection or disconnection
- Durable plastic body resists wear, chemicals and job-site abuse
- Accommodates cable ties or padlocks (with up to 3/8 in. shackles)



44-819

Description	Size (in.)	Part No.
Plug Lockout - 100V	2 x 2 x 3-1/2	44-818
Plug Lockout - 220/550V	3-1/4 x 3-1/4 x 7	44-819

Circuit Breaker Lockout System

- Covers most 120V - 277V breakers
- Works on wide range of breakers, including single- and multi-pole configurations
- Makes use of unique lock rail system, providing the following benefits:
 - Allows panel door to be closed even when lockouts are in place
 - Accommodates multiple locks, facilitating group lockout activity without hasps
 - Keeps weight off the breakers, protecting delicate electrical components from damage
 - Positions locks and tags outside the panel, making sure lockout activity is clearly visible to anyone in the area
- Technical Information
 - Lockout devices constructed of high-impact Isoplast® polymers
 - Cables are 2 ft. in length
 - Lock rails made of durable Isoplast® polymers with acrylic adhesive backing
- **Snap-on** – For use on Square D NQO and other breakers that have a hole in the switch tongue. Just align pins with hole and snap closed. Pins prevent switch from being thrown.
- **Clamp-on** – For use on breakers that do not have a hole in the switch tongue, including multiple breakers with tie bars. Turn thumb-screw to clamp lockout securely onto switch, then snap closed to prevent thumb wheel from being loosened.



44-764
Clamp-on

44-768
Snap-on

Description	Quantity	Part No.
Clamp-on lockout for breakers without hole in the switch tongue, including multi-pole breakers with tie bars	1	44-764
Snap-on lockout for Square D NQO and other breakers with a hole in the switch tongue		44-768
4 in. Lock Rail with seven lock loops		44-769

Isoplast® is a registered trademark of Lubrizol Advanced Materials, Inc.

Plug Lockouts

- Plug lockout, 44-792 works with high and low voltage plugs up to 3 in. in diameter and 5-1/2 in. in length, up to 1-1/4 in. cord diameter
- Plug lockout, 44-793 works with 110V/220V plugs up to 1-3/4 in. in diameter and 2-1/2 in. in length, up to a 1/2 in. cord diameter



Description	Part No.
Plug Lockout	44-792
Plug Lockout	44-793

Electric Plug Lockout

- Slides over cord prongs and locks in place to prevent cord from being plugged into an outlet
- Cannot be removed without key
- Works on any 2- or 3-prong plug



Description	Part No.
Electric Plug Lockout	44-782

Wall Switch Lockouts

- Universal Wall Switch Lockout locks out both toggle and Decora® wall switches
- Universal design assures switch is locked on or off. Hinges open for unobstructed normal switch operation
- Standard wall switch lockout fits most wall-mounted single or three-way electrical switches



44-772



44-789

Description	Quantity	Part No.
Universal Wall Switch	1	44-772
Standard Wall Switch		44-789

Decora® is a registered trademark of Leviton Manufacturing Co., Inc.

Cable Lockout

- Unique hasp lockout device accepts up to six 9/32 in. padlocks and comes with a 6 ft. plastic-coated steel cable



Description	Part No.
Cable Lockout, 6 ft. cable	44-829

Ball Valve Lockout Devices

- Best available method for locking out ball valves
- Patented design fits most major brand ball valves
- Designed to lock in off position only
- Complies with OSHA lockout standard



44-847

Valve Size	Max. Shackle Length	Material	Part No.
1/2 to 1-1/4 in.	—	Polypropylene	44-846
1-1/4 to 3 in.		Polypropylene	44-847
1/4 to 1 in.	9/32 in.	Nylon	44-820
1-1/4 to 3 in.		Heavy Steel	44-821

Adjustable Cable Lockout

- Infinitely adjustable safety hasp and cable
- Ideal for multiple circuit breaker panels and side-by-side gate valve lockouts
- Feed the cable end through the points to be locked out, then back through the lockout body. Cinch it tight to remove any slack with the patented locking feature.
- Tough, flexible multi-stranded 6 ft., 1/4 in. dia. steel cable is insulated with a clear vinyl coating
- Tough, lightweight, dielectric thermoplastic body withstands chemicals; performs effectively in extreme conditions
- Up to four workers can apply their personal safety locks
- Complete with high-visibility, re-usable, write-on safety labels (English, French & Spanish). Identify the responsible person, then erase for the next job.



Description	Part No.
Adjustable Cable Lockout	44-808

Gate Valve Lockouts

44-824

44-825

44-817



- Unique patent pending rotating design allows for easier installation in confined space applications
- Each size rotates into itself and nests within the next larger size to save space in storage
- Up to four workers can apply their personal safety locks
- Complete with high-visibility permanent safety labels (English, French & Spanish) that can be written on to identify the responsible person, then erased for the next job
- Tough, lightweight, dielectric thermoplastic bodies withstand chemicals and perform effectively in extreme conditions, temperature range: -50°F (-46°C) to +350°F (177°C)

Valve Size	Quantity	Part No.
1 in. to 2.5 in.	1	44-824
2.5 in. to 5 in.		44-825
Set of five sizes (1 in. to 13 in.)		44-817

Steel Padlocks

- Rustproofed, steel case with nickel-plated shackle withstands abuse and environmental hazards
- Includes two keys
- 1-1/2 in. wide lock with 9/32 in. shackle diameter
- Keyed-alike and Master Lock® Keyed locks available by special order



Bumper Color	3/4 In. Shackle Clearance Part No.	2 In. Shackle Clearance Part No.
Blue	44-900	44-901
Red	44-906	44-907

Master Lock® is a registered trademark of Master Lock Company LLC.

Safety Lockout Padlocks w/Key Retention

- Dedicated safety lockout device reduces confusion with other locks
- Complies with OSHA's "1-key, 1-lock"
- Non-conductive, lightweight body; four colors for easy identification
- Key retention ensures keys do not get lost while not in use and that padlocks are not left untouched
- 1-1/2 in. shackle clearance; 1-1/2 in. wide lock with 1/4 in. shackle
- Keyed-alike, Master Lock® Keyed locks, 2nd key, additional colors and engraving available by special order



Bumper Color	Part No.
Blue	44-912
Black	44-914
Red	44-916
Yellow	44-918

Master Lock® is a registered trademark of Master Lock Company LLC.

Lock Labels

- Easy identification of employees' locks
- Write-on, vinyl labels with peel-off adhesive backing
- Polyester over laminate protects label



Description	Quantity	Part No.
Lock Labels	8 labels	44-898

Safety Lockout Hasps

- Rustproofed, plated and vinyl-coated **44-801**
- Labeled hasps feature anodized aluminum alloy construction for long-term durability



Description	Jaw Diameter	Quantity	Part No.
Safety Lockout Hasps	1 in.	3	44-800
	1-1/2 in.	2	44-801

Labeled Safety Lockout Hasps

- Allow up to six workers to lock out a single energy source **44-790**
- Permanent "Do Not Operate" labels accept pens, pencils and permanent markers



Description	Color	Quantity	Part No.
Labeled Safety Lockout Hasp - Do Not Operate	Blue	1	44-790
Labeled Safety Lockout Hasp - Do Not Operate	Red	1	44-791
Labeled Safety Lockout Hasp - Do Not Operate	Red	50	44-1791

Heavy-Duty Lockout Tags



- High-visibility lettering
- Laminated plastic tags have non-fade legends, resist corrosive and harsh environmental conditions grommet
- Vinyl tags are silk screened with a 7/8 in. metal grommet; fastener included
- Exceeds OSHA's 50-lb. pullout requirement
- Matte finish for easy writing surface

Description	Type	Qty.	Part No.
Heavy-Duty Lockout Tag - Do Not Operate	Heavy-Duty Laminated	5/card	44-830
	Economy Vinyl	100/box	44-1830
Heavy-Duty Lockout Tag - Do Not Operate - Electricians at Work	Heavy-Duty Laminated	5/card	44-832
	Economy Vinyl	25/bag	44-843
Heavy-Duty Lockout Tag - Do Not Operate - (red striped background)	Heavy-Duty Laminated	5/card	44-833
	Economy Vinyl	100/box	44-1833
		25/bag	44-849

Bilingual Lockout Tags

- Spanish/English tags provide extra safety and information in bilingual situations
- High-visibility lettering
- Laminated vinyl tags with non-fade legends resist corrosive and harsh environmental conditions
- Write-on tag with 7/8 in. grommet can be padlocked to device to help prevent unauthorized removal



Description	Quantity	Part No.
Bilingual Lockout Tags - Do Not Operate (striped)	5	44-841

Flash Protection Labels and Signs



44-893



44-894



44-896

National Electric Code 110.16 Flash Protection: Switchboards, panel boards, industrial control panels and motor control centers, in other than dwelling occupancies, that are likely to require examination, adjustment, servicing or maintenance while energized, shall be field marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing or maintenance of the equipment.

Description	Type	Size	Qty.	Part No.
NEC Arc Flash, Warning	Self-Sticking Polyester	3-1/2 in. x 5 in.	5	44-892
NEC Arc Flash, Warning			100	44-892BK
NEC Arc Flash, Warning		5 in. x 7 in.	5	44-893
NEC Arc Flash, Warning			5	44-894
NEC Arc Flash, Danger		4 in. x 6 in.	5	44-895
NEC Arc Flash, Warning		7 in. x 10 in.	1	44-896

Lockout Signs



44-877



44-878



44-890

- Resistant to both chemicals and abrasion - protected graphics for indoor and outdoor use

Description	Material	Size (In.)	Part No.
Lockout Sign - OSHA Regulation, 36 in. clearance	Self-sticking polyester	3-1/2 x 10	44-877
Lockout Sign - OSHA Regulation (Bilingual) 36 in. clearance		7 x 10	44-878
Lockout Sign - Danger-Breakers Locked Out	Magnetic	5 x 7	44-890

Safety Signs

- Resistant to both chemicals & abrasion – protected graphics for indoor & outdoor use



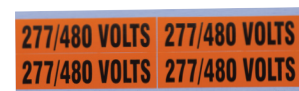
Description	Material	Size (In.)	Part No.
Safety Sign - Danger-High Voltage	Fiberglass	10 x 14	44-862
	Self-Sticking Polyester	7 x 10	44-863
Safety Sign - Danger-High Voltage-Keep Out	Fiberglass	10 x 14	44-880
	Self-Sticking Polyester	7 x 10	44-881
Safety Sign - Danger-High Voltage-Spanish	Self-Sticking Polyester	7 x 10	44-865

Voltage & Conduit Markers

44-289



44-299



44-410

- Identify junction boxes, switches, circuit breakers, raceways, pipe and fuse boxes
- Non-conductive for user safety
- High-adhesion properties with easy removal
- Resist abrasion, moisture, dirt and oil
- Non-smear, black legend on bright orange background for high visibility
- Specifications: Temperature Range: -40°F to 180°F (-40°C to 82°C)
Adhesion: 45 oz./in. width ultimate

Description	Large Part No. (2-1/4 in. x 9 in.) 1/card	Medium Part No. (1-1/8 in. x 4-1/2 in.) 4/card	Small Part No. (2-1/4 in. x 1/2 in.) 18/card
120/208V	44-295	44-296	-
277/480V	44-298	44-299	-
120V	-	44-353	-
208V	-	44-355	-
240V	-	44-358	-
277V	-	-	44-410
480V	44-314	44-364	-
Danger	44-289	-	-
High Voltage	44-292	-	-

Detectable Underground Tapes



42-251



42-252

- Solid aluminum foil core tapes for protection, location and identification of underground utility installations
- Meets or exceeds industry standards including the American Public Works Association (APWA) color code
- Formulated to resist degradation from acid and alkali found in soils
- Lead-free pigments and organic lead-free ink

Description	Color	Size	Part No.
Detectable Underground Tape - Caution Buried Electric Line Below	Red	3 in. x 1,000 ft.	42-201
Detectable Underground Tape - Caution Buried Electric Line Below		6 in. x 1,000 ft.	42-251
Detectable Underground Tape - Caution Buried Fiber Optic Line Below	Orange	6 in. x 1,000 ft.	42-252

Specifications:		
Property	Method	Value
Thickness	ASTMD2103	5.0 Mils
Elongation	ASTMD882-75B	80%
Composition	IDEAL Specs.	Bottom Layer PE; Top layer PET; Foil industry standard
Tensile Strength	ASTMD882	32 lbs./in. (15,000 PSI)

Non-Detectable Underground Tapes



42-102



42-103



42-104



42-101

- For protection, location and identification of underground utility installations
- Formulated to resist degradation from acid and alkali found in soils
- Lead-free pigments and organic lead-free ink
- Recommended Burial Depth: 3 in. Tape - 4 to 6 in.
6 in. Tape - less than 12 in.

Description	Color	Size	Part No.
Non-Detectable Underground Tape - Caution Buried Electric Line Below	Red	3 in. x 1,000 ft.	42-101
Non-Detectable Underground Tape - Caution Buried Electric Line Below	Yellow		42-102
Non-Detectable Underground Tape - Caution Buried Telephone Line Below	Orange		42-103
Non-Detectable Underground Tape - Caution Buried Fiber Optic Line Below		42-104	
Non-Detectable Underground Tape - Caution Buried Electric Line Below	Red	6 in. x 1,000 ft.	42-151
Non-Detectable Underground Tape - Caution Buried Electric Line Below	Yellow		42-152

Specifications:		
Property	Method	Value
Thickness	ASTMD2103	4.0 Mils
Elongation	ASTMD882-75B	500%
Composition	IDEAL Specs.	LDPE
Tensile Strength	ASTMD882	2,750 PSI

Barricade Tapes

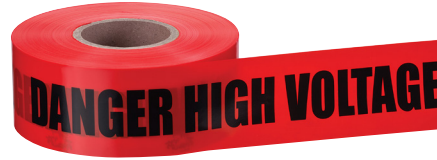
42-002



42-003



42-052



- High-visibility safety yellow or red polyethylene construction with bold black letters
- Meets OSHA specifications Section 1010.144 for marking physical hazards

Description	Color	Size	Thickness	Part No.
Barricade Tape - Caution	Yellow	3 in. x 1,000 ft.	4.0 Mils	42-001
Barricade Tape - Caution Do Not Enter				42-002
Barricade Tape - Caution High Voltage				42-003
Barricade Tape - Danger	Red			42-051
Barricade Tape - Danger High Voltage Keep Out				42-052
Barricade Tape - Caution Do Not Enter	Yellow		2.0 Mils	42-012

Specifications:		
Property	Method	Value
Elongation	ASTMD882-75B	≥ 400%
Composition	IDEAL Specs.	LDPE
Tensile Strength	ASTMD882	2,350 PSI TD; 1,893 PSI MD

Python™ Adjustable Locking Cable

Python™ Adjustable Locking Cable secures anything within its grasp. The only locking cable that is right length for your application. This patented product holds flexible steel cable tight at any position.

- Infinite Locking Positions - Patented lock holds cable tight from 1 ft. (30cm) to 6 ft. (1.8m)
- Application Flexibility - Interchangeable cables
- Keyed Alike Convenience - Rekeyable cylinder
- Cut Resistance - 3/8 in. (10mm), 100% steel braided cable
- Weather Tough - Rust resistant aluminum lock body
- Scratch Resistant - Vinyl cable sleeve and lock body bumper

Other Applications: Bikes, lawn furniture, lawn mowers, job sites, canoes, boats, skis, snowboards, generators, pickup truck cargo, spare tire locks and much more.



Description	Part No.
Master Lock® Python™ Kit with 6 ft. Cable-keyed different	44-990

Master Lock® is a registered trademark of Master Lock Company LLC.
Python™ is a trademark of Master Lock Company LLC.

LOCKOUT/TAGOUT CROSS REFERENCE CHART

IDEAL												
Standard Breaker Lockouts											EZ Panel Loc™	
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
Airpax		Airpax	1									
American Switch		C	1									
Bryant		BR	1									
Challenger		C	1									
Challenger	Type C	C	2-3									
Challenger	Same as W DK	CDK										
Challenger		LM	1									
Challenger		NEJ	1-2									
Crouse Hinds		MP	2									
Cutler Hammer		BA	1									
Cutler Hammer		CH	2-3									
Cutler Hammer		CH2	4									
Cutler Hammer		CHB	3									
Cutler Hammer	Quicklag	BAB	1									
Cutler Hammer	Quicklag	BAB	2-3									
Cutler Hammer	BR	BD	1									
Cutler Hammer	BR	BR	1									
Cutler Hammer	BR	BR	2-3									
Cutler Hammer	BR	BRH	1									
Cutler Hammer	BR	BRH	2-3									
Cutler Hammer	BR	BRHH	2									
Cutler Hammer	CH	CH	1									
Cutler Hammer	CH	CH	2-3									
Cutler Hammer	CH	CH2	4									
Cutler Hammer	CH	CHB	1									
Cutler Hammer	CH	CHB	2-3									
Cutler Hammer	K-Frame	CHKD	2-3									
Cutler Hammer	L-Frame	CHLD	2-4									
Cutler Hammer	M-Frame	CHMDL	2-3									
Cutler Hammer	N-Frame	CHND	2-4									
Cutler Hammer	CH	CHP	1									
Cutler Hammer	CH	CHP	2-3									
Cutler Hammer	CH	CHQ	1									
Cutler Hammer	CH	CHQ	2									
Cutler Hammer	CH	CHSW	2-3									
Cutler Hammer	K-Frame	CKD	2-3									
Cutler Hammer	CL	CL	1									
Cutler Hammer	CL	CL	2									
Cutler Hammer	L-Frame	CLD	2-4									
Cutler Hammer	CL	CLR	1-2									
Cutler Hammer	M-Frame	CMDL	2-3									
Cutler Hammer	N-Frame	CND	2-4									
Cutler Hammer	N-Frame	CNDC	2-4									
Cutler Hammer	CH	CSR	1									
Cutler Hammer	K-Frame	DK	2-3									
Cutler Hammer	E125-Frame	E125B										
Cutler Hammer	E125-Frame	E125E										
Cutler Hammer	E125-Frame	E125H										
Cutler Hammer	E125-Frame	E125S										
Cutler Hammer	F-Frame	ED	2-4									
Cutler Hammer	F-Frame	EDC	2-4									
Cutler Hammer	F-Frame	EDH	2-4									
Cutler Hammer	E125-Frame	EFH	1-4									
Cutler Hammer	E125-Frame	EGB	1-4									
Cutler Hammer	E125-Frame	EGE	1-4									
Cutler Hammer	E125-Frame	EGS	1-4									
Cutler Hammer		EHC										

LOCKOUT/TAGOUT CROSS REFERENCE CHART

				IDEAL								
				Standard Breaker Lockouts						EZ Panel Loc™		
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
Cutler Hammer	F-Frame	EHD	1-4									
Cutler Hammer	Tri Pac Cur. Lim	FB	2-3									
Cutler Hammer		FC										
Cutler Hammer	F-Frame	FD	1-4									
Cutler Hammer	F-Frame	FDB	2-4									
Cutler Hammer	F-Frame	FDC	2-4									
Cutler Hammer	F-Frame	FS	2-3									
Cutler Hammer	G-Frame	GB	1-3									
Cutler-Hammer	G-Frame	GC	1-3									
Cutler Hammer	L-Frame	LDB	2-3									
Cutler Hammer	L-Frame	LDC	2-4									
Cutler Hammer		LH	3									
Cutler Hammer		LHB	3									
Cutler Hammer	Type CC	LJ										
Cutler Hammer		MA	2-3									
Cutler Hammer		MC	2-3									
Cutler Hammer	M-Frame	MD	2-3									
Cutler Hammer	M-Frame	MDL	2-3									
Cutler Hammer	M-Frame	MDS	2-3									
Cutler Hammer	Tri Pac Cur. Lim	NB	2-3									
Cutler Hammer	N-Frame	ND	2-4									
Cutler Hammer	N-Frame	NDC	2-4									
Cutler Hammer	N-Frame	OPTIM	3									
Cutler Hammer	Tri Pac Cur. Lim	PB	2-3									
Cutler Hammer	Quicklag	QBGF	1									
Cutler Hammer	Quicklag	QBGF	2									
Cutler Hammer	Quicklag	QBGFEP	1									
Cutler Hammer	Quicklag	QBGFEP	2									
Cutler Hammer	Quicklag	QBHGF	1									
Cutler Hammer	Quicklag	QBHGFEP	1									
Cutler Hammer	Quicklag	QBHW	1									
Cutler Hammer	Quicklag	QBHW	2-3									
Cutler Hammer	Quicklag Type P	QC	1									
Cutler Hammer	Quicklag Type P	QC	2-3									
Cutler Hammer	Quicklag Type P	QCD	1									
Cutler Hammer	Quicklag Type P	QCD	2-3									
Cutler Hammer	Quicklag	QCGF	1									
Cutler Hammer	Quicklag	QCGFEP	1									
Cutler Hammer	Quicklag	QCHGF	1									
Cutler Hammer	Quicklag	QCHGFEP	1									
Cutler Hammer	Quicklag	QCHW	1									
Cutler Hammer	Quicklag	QCHW	2-3									
Cutler Hammer	Quicklag	QHCW	1									
Cutler Hammer	Quicklag	QHCW	2-3									
Cutler Hammer	Quicklag	QHCX	1									
Cutler Hammer	Quicklag	QHCX	2-3									
Cutler Hammer	Quicklag	QHPW	1									
Cutler Hammer	Quicklag	QHPW	2-3									
Cutler Hammer	Quicklag	QHPX	1									
Cutler Hammer	Quicklag	QHPX	2-3									
Cutler Hammer	Ground Fault	QPGF	1									
Cutler Hammer		QPGF	2									
Cutler Hammer	Ground Fault	QPGFEP	1									
Cutler Hammer		QPGFEP	2									
Cutler-Hammer	Ground Fault	QPHGF	1									
Cutler-Hammer	Ground Fault	QPHGFEP	1									
Cutler-Hammer	Quicklag	QPHW	1									
Cutler-Hammer	Quicklag	QPHW	2-3									
Fed. Pacific Elec.		BAB	1									
Fed. Pacific Elec.		NA-single	3									
Fed. Pacific Elec.		NA-tie bar	2									
Fed. Pacific Elec.		NB	1									

LOCKOUT/TAGOUT CROSS REFERENCE CHART

IDEAL												
Standard Breaker Lockouts										EZ Panel Loc™		
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
Fed. Pacific Elec.		NBH GFI	1									
Fed. Pacific Elec.		NE/NEF										
Fed. Pacific Elec.		NEJ										
Fed. Pacific Elec.		NFJ										
Fed. Pacific Elec.		NJ										
Fed. Pacific Elec.		NJL										
Fed. Pacific Elec.		NM										
Fed. Pacific Elec.		NP-single	1									
Frank Adams	FA Quicklag	P	1									
General Electric	Type C	HQC	3									
General Electric	SE150	SED	2-3									
General Electric	SE150	SEH	2-3									
General Electric	SE150	SEL	2-3									
General Electric	SE150	SEP	2-3									
General Electric	SF250	SFH	2-3									
General Electric	SF250	SFL	2-3									
General Electric	SF250	SFP	2-3									
General Electric	Tri Break	TB1										
General Electric	Tri Break	TB4										
General Electric	Tri Break	TB6										
General Electric	Tri Break	TB8										
General Electric	Mag Break	TBC4										
General Electric	Mag Break	TBC6										
General Electric	Mag Break	TBC8										
General Electric	E150	TE	1-3									
General Electric	E150	TEB	1-3									
General Electric	E150	TED	1-3									
General Electric		TEF	1-3									
General Electric	E150	TEL	3									
General Electric	Mag Break	TEML	3									
General Electric	E150	TEY	1-3									
General Electric	E150	TF	1-3									
General Electric	Mag Break	TFC	3									
General Electric	F225	TFJ	2-3									
General Electric	F225	TFK	2-3									
General Electric	F225	TFL	3									
General Electric	Like TED	THED	1-3									
General Electric	Like TED	THEF										
General Electric	F225	THFK	2-3									
General Electric	Q Line	THHQB	2-3									
General Electric	Q Line	THHQB-A	1									
General Electric	Q Line	THHQB-S	1									
General Electric	Q Line	THHQC	1-3									
General Electric	Q Line	THHQC-A	1									
General Electric	Q Line	THHQC-S	1									
General Electric	Q Line	THHQL	2-3									
General Electric	Q Line	THHQL-A	1									
General Electric	Q Line	THHQL-S	1									
General Electric	J600	THJK4	2-3									
General Electric	J600	THJK6	2-3									
General Electric	K1200	THKM12	2-3									
General Electric	K1200	THKM8	2-3									
General Electric	THLC Current Limiting	THLC1	3									
General Electric	Q Line	THQB	2-3									
General Electric	Q Line	THQB-A	1									
General Electric	Q Line	THQB-S	1									
General Electric	Q Line	THQC	2-3									
General Electric	Q Line	THQC-A	1									
General Electric	Q Line	THQC-AL	2-3									
General Electric	Q Line	THQC-S	1									
General Electric	Q Line	THQD	2-3									
General Electric	Q Line	THQDBL	3									
General Electric	Q Line	THQL	2-3									

LOCKOUT/TAGOUT CROSS REFERENCE CHART

IDEAL												
Standard Breaker Lockouts												
Mfg.	Breaker Classification	Breaker Type	# of Poles	Standard Breaker Lockouts							EZ Panel Loc™	
				1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
General Electric	Q Line	THQL-A	1									
General Electric	Q Line	THQL-S	1									
General Electric		TJ4	3									
General Electric	Mag Break	TJC										
General Electric	TJD432400WL	TJD	2-3									
General Electric	J600	TJJ	2-3									
General Electric	J600	TJK4	2-3									
General Electric	TJK636F000	TJK6	2-3									
General Electric	TJS3604S	TJS										
General Electric	MicroVersaTrip	TK4V	3									
General Electric	Mag Break	TKC	3									
General Electric	TKM4365000	TKM4										
General Electric	K1200	TKM8	2-3									
General Electric		TKMA8	3									
General Electric	Q Line	TQB	2-3									
General Electric	Q-Line	TQB-A	1									
General Electric	Q-Line	TQB-S	1									
General Electric	Q Line	TQC	2-3									
General Electric		TQC-A	1									
General Electric		TQC-S	1									
General Electric	Q Line	TQD	2-3									
General Electric	Q Line	TQL-A	1									
General Electric	Q Line	TQL-S	1									
Heinemann		LB	1									
Heinemann		LF	1									
Heinemann		LJ	1									
Merlin Gerin	400 Amp series	CJ	3									
Siemens ITE		BL	1									
Siemens ITE		BL	2-3									
Siemens ITE		BL	1									
Siemens ITE		BL	2-3									
Siemens ITE		BLF-GFI	2									
Siemens ITE		BLH	1									
Siemens ITE		BLH	2-3									
Siemens ITE		BQ	1									
Siemens ITE		BQ	2-3									
Siemens ITE		BQCH	1-3									
Siemens ITE		BQD	3									
Siemens ITE		BQD	1-3									
Siemens ITE		BQD6	1-3									
Siemens ITE		BQH	1									
Siemens ITE		BQH	2-3									
Siemens ITE		CED6	2-3									
Siemens ITE		CFD6	2-3									
Siemens ITE		CFD6-ETI	2-3									
Siemens ITE		CJ3										
Siemens ITE		CJD6	2-3									
Siemens ITE		CJD6-ETI	2-3									
Siemens ITE		CLF	2									
Siemens ITE		CMD6	3									
Siemens ITE		CMD6-ETI	3									
Siemens ITE		CND6	3									
Siemens ITE		CPD6	3									
Siemens ITE		CQD	1-3									
Siemens ITE		E2										
Siemens ITE		E4	1									
Siemens ITE		ED2	1-3									
Siemens ITE		ED4	1-3									
Siemens ITE		ED6	1-3									
Siemens ITE		ED6-ETI	3									
Siemens ITE		EE3										
Siemens ITE		EH3										
Siemens ITE		EOP	4									
Siemens ITE		EQT QF										
Siemens ITE	F-Frame	ET										
Siemens ITE		FD6A	2-3									

LOCKOUT/TAGOUT CROSS REFERENCE CHART

IDEAL												
Standard Breaker Lockouts												
EZ Panel Loc™												
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
Siemens ITE		FJ2-B	2-3									
Siemens ITE		FJ3	2									
Siemens ITE		FJ6	2									
Siemens ITE		FXD6A	2-3									
Siemens ITE		FXD6-ETI	2-3									
Siemens ITE		GF	1									
Siemens ITE		HBL	1									
Siemens ITE		HBL	2-3									
Siemens ITE		HBO	1									
Siemens ITE		HBO	2-3									
Siemens ITE		HE4										
Siemens ITE		HED4	1-3									
Siemens ITE		HED6	2-3									
Siemens ITE		HFD6	2-3									
Siemens ITE		HFXD6	2-3									
Siemens ITE		HHED6	2-3									
Siemens ITE		HHFD6	2-3									
Siemens ITE		HHJD6	2-3									
Siemens ITE		HHJXD6	2-3									
Siemens ITE		HJD6	2-3									
Siemens ITE		HJD6-A	2-3									
Siemens ITE		HJXD6	2-3									
Siemens ITE		HJXD6-A	2-3									
Siemens ITE		HMD6	2-3									
Siemens ITE		HMXD6	2-3									
Siemens ITE		HND6	2-3									
Siemens ITE		HNXD6	2-3									
Siemens ITE		HPD6	3									
Siemens ITE		HPXD6	3									
Siemens ITE		HQJ2-H	3									
Siemens ITE		HQP	1									
Siemens ITE		HQP	2-3									
Siemens ITE		HQPP	1									
Siemens ITE		HQPP	2-3									
Siemens ITE		HQPPH	2									
Siemens ITE		HRD6	3									
Siemens ITE		HRXD6	3									
Siemens ITE		JD6-A	2-3									
Siemens ITE		JJ3										
Siemens ITE		JL3	3									
Siemens ITE		JXD2-A	2-3									
Siemens ITE		JXD6-A	2-3									
Siemens ITE		LL3										
Siemens ITE		MD6	2-3									
Siemens ITE		MXD6	2-3									
Siemens ITE		MXD6-ETI	2-3									
Siemens ITE		ND6	2-3									
Siemens ITE		NXD6	2-3									
Siemens ITE		PD6	3									
Siemens ITE		PXD6	3									
Siemens ITE		QJ2	2-3									
Siemens ITE		QJ2-H	2-3									
Siemens ITE		QJH2	2-3									
Siemens ITE		QP	1									
Siemens ITE		QP	2-3									
Siemens ITE		QP1	1									
Siemens ITE		QPH	1									
Siemens ITE		QPH	4									
Siemens ITE		QPH	2-3									
Siemens ITE		QPP	1									
Siemens ITE		QPP	2-3									
Siemens ITE		QPPH	1									
Siemens ITE		QPPH	2-3									
Siemens ITE		RD6	3									
Siemens ITE		RXD6	3									
Siemens ITE	Solid State Trip Ckt. Bkr.	SCMD6	3									
Siemens ITE	Solid State Trip Ckt. Bkr.	SCND6	3									
Siemens ITE	Solid State Trip Ckt. Bkr.	SHMD6	3									
Siemens ITE	Solid State Trip Ckt. Bkr.	SHND6	3									
Siemens ITE	Solid State Trip Ckt. Bkr.	SMD6	3									

LOCKOUT/TAGOUT CROSS REFERENCE CHART

IDEAL												
Standard Breaker Lockouts												
Mfg.	Breaker Classification	Breaker Type	# of Poles	Standard Breaker Lockouts							EZ Panel Loc™	
				1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
Siemens ITE	Solid State Trip Ckt. Bkr.	SND6	3									
Simplex		NX	3									
Square D		EDB	1-3									
Square D		EGB	1-3									
Square D		EH4	1-3									
Square D		EHB	1-3									
Square D		EHB	2-3									
Square D		EJB	1-3									
Square D		EZ	3									
Square D	100 Amp Frame	FA	1-3									
Square D	100 Amp Frame	FAL	1-3									
Square D	100 Amp Frame	FC	3									
Square D	100 Amp Frame	FCL	2-3									
Square D	FDA 34040	FDA										
Square D	100 Amp Frame	FH	1-3									
Square D	100 Amp Frame	FHL	1-3									
Square D	100 Amp Frame	FHL-DC	3									
Square D	100 Amp Frame	FI	3									
Square D	100 Amp Frame	FIL	3									
Square D	100 Amp Frame	FY	1									
Square D	Mag Gard	GJL	3									
Square D	250 Amp Frame	KA	2-3									
Square D		KAL	2-3									
Square D		KAP										
Square D	250 Amp Frame	KC	2-3									
Square D		KCL	2-3									
Square D	250 Amp Frame	KH	2-3									
Square D		KHL	3									
Square D	250 Amp Frame	KI	2-3									
Square D	250 Amp Frame	KIL	2-3									
Square D	400 Amp Frame	LA	2-3									
Square D		LAL	2-3									
Square D	400 Amp Frame	LH	2-3									
Square D		LHL	3									
Square D		LHP										
Square D		MA	3									
Square D	1000 Amp Frame	MA	2-3									
Square D		MAL	3									
Square D	1000 Amp Frame	MH	2-3									
Square D		MHL	2-3									
Square D		ML-1	3									
Square D		ML-3	3									
Square D	250 Amp Frame	Q1B	2-3									
Square D	250 Amp Frame	Q1L	2-3									
Square D	250 Amp Frame	Q2	2-3									
Square D	250 Amp Frame	Q2H	2-3									
Square D	250 Amp Frame	Q2L	2-3									
Square D	250 Amp Frame	Q2MT	2-3									
Square D	400 Amp Frame	Q4	2-3									
Square D	400 Amp Frame	Q4L	2-3									
Square D	QO	QO	1									
Square D	QO	QO	2-3									
Square D	QO	QOB	1									
Square D	QO	QOB	2-3									
Square D	QO	QOB-H	2									
Square D	QO	QOB-VH	1									
Square D	QO	QOB-VH	2-3									
Square D	QO	QO-H	2									
Square D	Main Circuit Breaker QO	QOM1-VH	2									
Square D	Main Circuit Breaker QO	QOM2-VH	2									
Square D	QO	QO-SWN	2-3									
Square D	DIN Rail Mnt QO	QOU	1									
Square D	DIN Rail Mnt QO	QOU	2-3									
Square D	DIN Rail Mnt QO	QOU w/tie	2-3									
Square D	QO	QO-VH	1									
Square D	QO	QO-VH	2-3									
Square D	DIN Rail Mount	QYU	1									
Square D	2500 Amp Frame	RG	2-4									
Square D	2500 Amp Frame	RJ	2-4									
Square D	2500 Amp Frame	RL	2-4									
Square D		Y1										

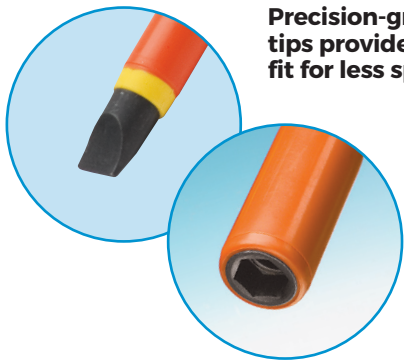
LOCKOUT/TAGOUT CROSS REFERENCE CHART

IDEAL												
Standard Breaker Lockouts										EZ Panel Loc™		
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
Sylvania GTE		QC	2									
Sylvania GTE		Type C	2									
T&B		F Frame	1-3									
Westinghouse		BA	1									
Westinghouse		BA	2-3									
Westinghouse		BA	2-3									
Westinghouse		BA	1									
Westinghouse		BAB	1									
Westinghouse		BR	1									
Westinghouse		BR	2-3									
Westinghouse		BRH	2-3									
Westinghouse		CA										
Westinghouse		DA										
Westinghouse		DK										
Westinghouse		EB	1-3									
Westinghouse		ED										
Westinghouse		EH	1-3									
Westinghouse		EHB	1-3									
Westinghouse		EHD	1-3									
Westinghouse		FA	3									
Westinghouse		FB	2-3									
Westinghouse		FD	1-4									
Westinghouse		FDB	2-4									
Westinghouse		FDC	2-4									
Westinghouse	For Fire Protect.	FP	3									
Westinghouse		GB	1-3									
Westinghouse		GBH	1-3									
Westinghouse		GHB	1-3									
Westinghouse		GR	3									
Westinghouse		HBAW	1									
Westinghouse		HBAX	1									
Westinghouse		HCA	3									
Westinghouse		HFB	1-3									
Westinghouse		HFD	1-4									
Westinghouse		HKD	3									
Westinghouse		HLA										
Westinghouse		HLB										
Westinghouse		HMC										
Westinghouse		HMCP										
Westinghouse		HNC										
Westinghouse		HQNP	3									
Westinghouse		HQP	1									
Westinghouse		JA										
Westinghouse		JD	2-4									
Westinghouse		KA	3									
Westinghouse		KB										
Westinghouse		LA	3									
Westinghouse		LB										
Westinghouse		LBB	3									
Westinghouse		LH										
Westinghouse		MA	2-3									
Westinghouse		MC	2-3									
Westinghouse		MCC	2-3									
Westinghouse		MCPO	3									
Westinghouse		NB										
Westinghouse		P	3									
Westinghouse		QBHW	1									
Westinghouse		QC	1									
Westinghouse	Quicklag C	QC	3									
Westinghouse		QCHQ	1									
Westinghouse		QHCW	1									
Westinghouse		QHCX	1									
Westinghouse		QHPW	1									
Westinghouse		QPHW	1									
Westinghouse		Quicklag P										
Westinghouse		RE										
Westinghouse		RH	3									
Westinghouse		WPHX	1									
Zinsco		HQB	3									
Zinsco		QB	1									
Zinsco		QCB	2									
Zinsco		Type Q	1									
Zinsco		Type T	1									

INSULATED SCREWDRIVERS & NUT DRIVERS

IDEAL insulated screwdrivers and nut drivers are VDE certified to 1000V AC. Each one is designed to meet ASTM F1505-01, EN, DIN and IEC 60 900 test standards.

- Tempered blades are finished with black oxide and super hardened for maximum quality
- Precision ground tips provide secure fit for less spin-out
- Meets OSHA requirements for insulated tools (29 CFR 1910)



Precision-ground tips provide secure fit for less spin-out

Molded-on insulation provides permanent bonding

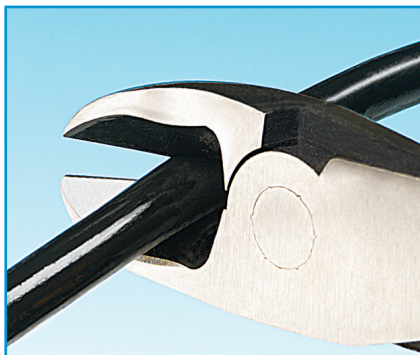


Tempered chrome vanadium tool steel blades are super hardened for maximum quality

INSULATED HAND TOOLS

Cutting Jaws

Induction hardened cutting edges for precise cuts and long life.



Impact-Resistant

Designed for the most rugged job site conditions.



Safety Finger Guard

Reduces chance of accidental contact with exposed metal tool parts.



9-Piece Insulated Tool Kit



Description	Part No.
9-Piece Insulated Tool Kit (Case Included)	35-9108
Kit Includes:	
9-1/4 in. Insulated Linesman Pliers	30-9430
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Insulated Long-Nose Pliers	35-9038
Insulated T [®] -Stripper Wire Stripper	45-9120
Slotted 7/32 in. x 5 in. Insulated Screwdriver	35-9147
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Phillips #1 x 3-3/16 in. Insulated Screwdriver	35-9193
Phillips #2 x 4 in. Insulated Screwdriver	35-9194

Basic Insulated Tool Kit



Description	Part No.
Basic Insulated Tool Kit (Case Included)	35-9100
Kit Includes:	
9-1/4 in. Insulated Linesman Pliers	30-9430
Safe-T-Grip [®] Fuse Puller, Medium	34-002
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Insulated Long-Nose Pliers	35-9038
9-1/2 in. Insulated Cable Cutter	35-9052
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Phillips #2 x 4 in. Insulated Screwdriver	35-9194
Safety Lockout Padlock, Red	44-916
Circuit Breaker Lockout	44-956
Circuit Breaker Lockout	44-957
Insulated T [®] -Stripper Wire Stripper	45-9120

Standard Insulated Tool Kit



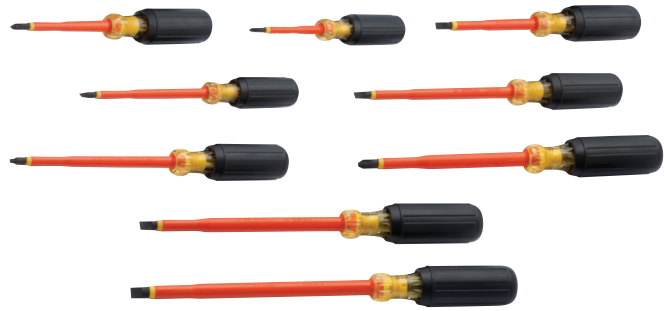
Description	Part No.
Standard Insulated Tool Kit (Case Included)	35-9101
Kit Includes:	
9-1/4 in. Insulated Linesman Pliers	30-9430
Safe-T-Grip [®] Fuse Puller, Medium	34-002
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Insulated Long-Nose Pliers	35-9038
9-1/2 in. Insulated Cable Cutter	35-9052
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Slotted 5/16 in. x 7 in. Insulated Screwdriver	35-9166
Slotted 3/8 in. x 8 in. Insulated Screwdriver	35-9168
Phillips #1 x 3-3/16 in. Insulated Screwdriver	35-9193
Insulated Skinning Knife	35-9340
10 in. Insulated Tongue & Groove Pliers	35-9420
Safety Lockout Padlock, Red	44-916
Circuit Breaker Lockout	44-956
Circuit Breaker Lockout	44-957
Insulated T [®] -Stripper Wire Stripper	45-9120
VoltSensor [™] Non-Contact Voltage Tester	61-063

Journeyman Insulated Tool Kit



Description	Part No.
Journeyman Insulated Tool Kit (Case Included)	35-9102
Kit Includes:	
9-3/4 in. Insulated Multi-Crimp Tool	30-9429
9-1/4 in. Insulated Linesman Pliers	30-9430
Safe-T-Grip® Fuse Puller, Medium	34-002
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Insulated Long-Nose Pliers	35-9038
9-1/2 in. Insulated Cable Cutter	35-9052
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Slotted 5/16 in. x 7 in. Insulated Screwdriver	35-9166
Slotted 3/8 in. x 8 in. Insulated Screwdriver	35-9168
Phillips #1 x 3-3/16 in. Insulated Screwdriver	35-9193
Phillips #2 x 4 in. Insulated Screwdriver	35-9194
Phillips #3 x 6 in. Insulated Screwdriver	35-9196
3/16 in. x 5 in. Insulated Nut Driver	35-9290
1/4 in. x 5 in. Insulated Nut Driver	35-9291
5/16 in. x 5 in. Insulated Nut Driver	35-9292
3/8 in. x 5 in. Insulated Nut Driver	35-9294
7/16 in. x 5 in. Insulated Nut Driver	35-9295
1/2 in. x 5 in. Insulated Nut Driver	35-9296
Insulated Skinning Knife	35-9340
10 in. Insulated Tongue & Groove Pliers	35-9420
Safety Lockout Padlock, Red	44-916
Circuit Breaker Lockout	44-956
Circuit Breaker Lockout	44-957
Insulated T®-Stripper Wire Stripper	45-9120
VoltSensor™ Non-Contact Voltage Tester	61-063

9-Piece Insulated Screwdriver Set



Description	Part No.
9-Piece Insulated Screwdriver Set (Case included)	35-9103
Set Includes:	
Slotted 7/32 in. x 5 in. Insulated Screwdriver	35-9147
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Slotted 5/16 in. x 7 in. Insulated Screwdriver	35-9166
Slotted 3/8 in. x 8 in. Insulated Screwdriver	35-9168
Phillips #1 x 3-3/16 in. Insulated Screwdriver	35-9193
Phillips #2 x 4 in. Insulated Screwdriver	35-9194
Phillips #3 x 6 in. Insulated Screwdriver	35-9196
Square #0 x 4 in. Insulated Screwdriver	35-9690

2-Piece Insulated Screwdriver Set



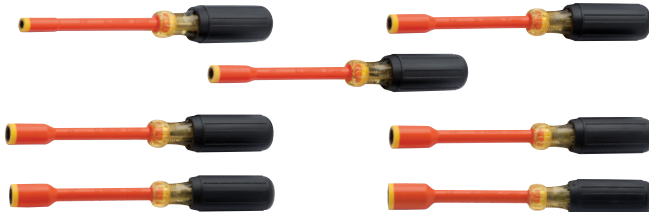
Description	Part No.
2-Piece Insulated Screwdriver Set	35-9305
Set Includes:	
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Phillips #2 x 4 in. Insulated Screwdriver	35-9194

Insulated Screwdrivers



Description	Blade Length	Part No.
7/32 in. Slotted Insulated Screwdriver	5 in.	35-9147
3/32 in. Slotted Insulated Screwdriver	3 in.	35-9148
1/8 in. Slotted Insulated Screwdriver	4 in.	35-9149
1/4 in. Slotted Insulated Screwdriver	4 in.	35-9150
1/4 in. Slotted Insulated Screwdriver	6 in.	35-9151
5/16 in. Slotted Insulated Screwdriver	7 in.	35-9166
3/8 in. Slotted Insulated Screwdriver	8 in.	35-9168
#0 Phillips Insulated Screwdriver	2-3/8 in.	35-9169
#1 Phillips Insulated Screwdriver	3-1/8 in.	35-9170
#3 Phillips Insulated Screwdriver	6 in.	35-9172
#1 Phillips Insulated Screwdriver	3-3/16 in.	35-9193
#2 Phillips Insulated Screwdriver	4 in.	35-9194
#3 Phillips Insulated Screwdriver	6 in.	35-9196
#0 Square Insulated Screwdriver	6 in.	35-9690
#1 Square Insulated Screwdriver	6 in.	35-9691
#2 Square Insulated Screwdriver	6 in.	35-9693
#3 Square Insulated Screwdriver	6 in.	35-9695

7-Piece Insulated Nut Driver Set



Description	Part No.
7-Piece Insulated Nut Driver Set (Case included)	35-9104
Set Includes:	
3/16 in. x 5 in. Insulated Nut Driver	35-9290
1/4 in. x 5 in. Insulated Nut Driver	35-9291
5/16 in. x 5 in. Insulated Nut Driver	35-9292
3/8 in. x 5 in. Insulated Nut Driver	35-9294
7/16 in. x 5 in. Insulated Nut Driver	35-9295
1/2 in. x 5 in. Insulated Nut Driver	35-9296
9/16 in. x 5 in. Insulated Nut Driver	35-9297

Insulated Nut Drivers



Description	Blade Length	Part No.
3/16 in. Insulated Nut Driver	5 in.	35-9290
1/4 in. Insulated Nut Driver		35-9291
5/16 in. Insulated Nut Driver		35-9292
11/32 in. Insulated Nut Driver		35-9293
3/8 in. Insulated Nut Driver		35-9294
7/16 in. Insulated Nut Driver		35-9295
1/2 in. Insulated Nut Driver		35-9296
9/16 in. Insulated Nut Driver		35-9297

Insulated Tool Kit Cases



Description	Part No.
Soft Zipper Case for Basic Kit (35-9100 & 35-9108)	35-9350
Soft Zipper Case for Standard Kit (35-9101)	35-9351
Soft Zipper Case for Journeyman Kit (35-9102)	35-9352

Insulated Multi-Crimp Tool



Description	Part No.
9-3/4 in. Insulated Multi-Crimp Tool	30-9429

Insulated Cable Cutter



Description	Part No.
9-1/2 in. Insulated Cable Cutter	35-9052

Insulated Linesman Pliers



Description	Part No.
9-1/4 in. Insulated Linesman Pliers	30-9430

Insulated Tongue and Groove Pliers



Description	Part No.
10 in. Insulated Tongue and Groove Pliers	35-9420

Insulated Diagonal-Cutting Pliers



Description	Part No.
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029

Insulated T[®]-5 Wire Stripper



Description	Part No.
Insulated T [®] -Stripper Wire Stripper - 10-18 AWG solid or 12-20 AWG stranded.	45-9120

Insulated Long-Nose Pliers



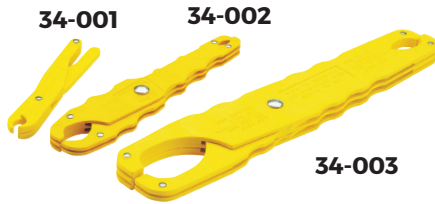
Description	Part No.
8-1/2 in. Insulated Long-Nose Pliers	35-9038

Insulated Skinning Knife



Description	Part No.
Insulated Electrician's Skinning Knife	35-9340

Safe-T-Grip® Fuse Pullers



- Maximum efficiency and convenience for removing or replacing cartridge-type fuses
- Three sizes handle fuses ranging from 0 to 600A
- Fully insulated, high-dielectric, glass-filled polypropylene construction
- Notched handles provide safe, no-slip grip
- Clearly marked amperage ranges
- Exceed MIL specifications

Description	Overall Length	Part No.
Small Puller for 250V, 9/32 in. to 1/2 in. dia. fuses	5 in.	34-001
Medium Puller for 0 to 100A/250V & 600V, 1/2 in. to 1 in. dia. fuses	7-1/2 in.	34-002
Large Puller for 31 to 600A/250V & 31 to 400A/600V, 3/4 in. to 2-1/2 in. dia. fuses	11-3/4 in.	34-003

Fuse Puller & Test Light



- Convenient pocket-sized tool safely pulls cartridge fuses and checks electrical connections
- Test prods fit parallel and tandem slot receptacles
- Built-in resistors limit current flow to eliminate false indication
- For 9/16 in. to 1 in. fuses, 100A/250V and 60A/600V
- Test capacity from 100V to 600V AC/DC

Description	Part No.
Fuse Puller & Test Light	34-012

Fuse Pullers



- Molded of tough, high-impact nylon for strength
- No-slip gripping surface and protective finger stops for added safety

Description	Overall Length	Part No.
Small Puller for 0 to 30A/250V, 1/4 in. to 1/2 in. dia. fuses	5 in.	34-015
Large Puller for 0 to 100A/250V & 0 to 60A/600V, 9/16 in. to 1 in. dia. fuses	7-1/4 in.	34-016

Fuse Puller Cross Reference

Fuse Size	Current	Voltage	IDEAL®	Bussmann	Littlefuse
Ferrule Type	Amps	Volt a.c.			
1/4 x 1-1/4	1/500 to 30	250	34-015	FP-A3	97023
13/32 x 1-1/2	1/10 to 30	250	34-001, 34-015	FP-2	MFP
9/16 x 2	1/10 to 30	250	34-002, 34-012, 34-016	FP-2	LPFP
13/16 x 3	35 to 60	250	34-016, 34-003, 34-012	FP-2	LPFP
Knife Blade	Amps	Volt a.c.			
1 x 5-7/8	70 to 100	250	34-012, 34-002, 34-016	FP-3	LPFP
1-1/2 x 7-1/8	110 to 200	250	34-003	FP-3	LPFP
2 x 8-5/8	225 to 400	250	34-003	FP-4	GFP
2-1/2 x 10-3/8	450 to 600	250	34-003	FP-4	GFP
Ferrule Type	Amps	Volt a.c.			
13/32 x 1-1/2	1/10 to 30	600	34-001, 34-012, 34-016	FP-2	MFP
3/4 x 5	1/10 to 30	600	34-002	FP-2	MFP
1 x 5-1/2	35 to 60	600	34-012, 34-002, 34-016	FP-3	MFP
Knife Blade	Amps	Volt a.c.			
1-1/4 x 7-1/8	70 to 100	600	34-003	FP-3	LPFP
1-3/4 x 9-5/8	110 to 200	600	34-003	FP-4	LPFP
2-1/2 x 11-5/8	225 to 400	600	34-003	FP-4	LPFP
3 x 13-3/8	450 to 600	600	NONE	NONE	NONE

Volt-Guard Fish Tapes

- Light-duty non-conductive tape for use around live circuits
- Elliptical design gives the Volt-Guard greater pushing power
- Repair kit available, order #31-541



Length (ft.)	Width & Thickness	Case Diameter	End Type	Tuff-Grip™ Pro	Replacement Tapes (No Case)
60	3/16 in. x .094 in.	12 in.	Non-Conductive Eyelet	31-542	31-552
120	3/16 in. x .094 in.	12 in.	Non-Conductive Eyelet	31-544	31-554

S-Class® Fiberglass Fish Tapes

- Non-conductive tape for use around live circuits
- Structural glass core provides a more durable fiberglass tape
- Fiberglass cone with nylon outer jacket provides durability



Length (ft.)	Diameter	Case Diameter	End Type	Tuff-Grip™ Pro	Rapid-Pak®	Replacement Tapes (No Case)
50	3/16 in.	12 in.	Leader	31-060	31-187	31-150
50	3/16 in.	12 in.	Metal Eyelet	31-062	31-190	31-160
50	3/16 in.	12 in.	Non-Conductive Eyelet	31-086	-	31-200
100	3/16 in.	12 in.	Leader	31-061	31-186	31-152
100	3/16 in.	12 in.	Metal Eyelet	31-063	31-189	31-162
100	3/16 in.	12 in.	Non-Conductive Eyelet	31-087	-	31-201
200	3/16 in.	16 in.*	Leader	31-064	31-207	31-155
200	3/16 in.	16 in.*	Metal Eyelet	31-065	31-208	31-165
200	3/16 in.	16 in.*	Non-Conductive Eyelet	31-088	-	31-202

*Traditional handle

TightSight™ 1000A Clamp Meters

- TightSight™ bottom display
- Tapered jaws with hook tip
- True RMS current and voltage
- AC/DC Voltage
- Audible continuity
- High frequency rejection*
- Peak hold
- Max/min hold
- Data hold
- Selectable audible and visual alerts when potentially hazardous voltages are detected at the probe terminals
- Selectable auto power off
- Backlit display
- Low battery indicator



* Reads accurately on noisy electrical circuits.

Description	Part No.
1000A AC Clamp Meter	61-773
1000A AC/DC Clamp Meter	61-775

Includes: Carrying Case and Test Leads w/Alligator Clips.

TightSight™ 660A Clamp Meters

- TightSight™ bottom display
- Tapered jaws with hook tip
- True RMS current and voltage
- AC/DC Voltage
- Audible continuity
- High frequency rejection*
- Peak hold
- Max/min hold
- Data hold
- Selectable audible and visual alerts when potentially hazardous voltages are detected at the probe terminals
- Selectable auto power off
- Backlit display
- Low battery indicator



* Reads accurately on noisy electrical circuits.

Description	Part No.
660A AC Clamp Meter	61-763
660A AC/DC Clamp Meter	61-765

Includes: Carrying Case and Test Leads w/Alligator Clips.

Specifications	Range & Resolution				Accuracy
	61-773	61-775	61-763	61-765	
AC Current	0.0-999.9A		0.0-660.0A		2.0%
DC Current	—	0.0-999.9A	—	0.0-660.0A	2.0%
AC Voltage	0.0-750.0V				1.0%
DC Voltage	0.0-999.9V				1.0%
Resistance	0.0-999.9Ω				1.5%
Capacitance	0.0-999.9μF				5.0%
Continuity	0.0-999.9Ω				Audible @ <30Ω
Frequency (clamp head or test leads)	20.0-400.0Hz				0.5%
Jaw Size	2" (51mm)		1.42" (36mm)		—

Accessories	Part No.
Test Leads w/Large Alligator Clips	TL-770
Nylon Carrying Case (for 61-763 & 61-765)	C-760
Nylon Carrying Case (for 61-773 & 61-775)	C-770



4-in-1 Test Tool



- 200AAC current capability
- Non-contact voltage (40-600VAC)
- Visual, audible and tactile (shaker) indication of high AC/DC voltage at terminals
- Clean voltage indicator
- Max hold
- Audible continuity
- Low battery indication
- Integral lead storage
- Auto power off
- Ergonomic hourglass shape
- Compact clamp head



Description	Part No.
4-in-1 Test Tool w/TRMS, Backlight	61-704

Includes: Carrying Case and Silicone Test Leads.

Specifications	Range & Resolution	Accuracy
AC Voltage	2000m/200.0/750 V	1.2%
DC Voltage	2000m/200.0/1000 V	0.5%
AC Current	200A	3.0%
Resistance	200.0/200.0k Ω	1.0%
Capacitance	200.0 μ F	3.0%

Jaw opening is 1.3" (33mm).

486 Commercial-Grade Multimeter

- Voltage
- Current
- Resistance
- Audible continuity
- Capacitance
- Frequency
- Temperature
- Data hold
- Min/max/relative modes
- Backlight
- True RMS
- Auto AC/DC voltage detect w/low impedance (Auto - VLoZ)
- Analog bar graph
- Non-contact voltage detection
- Peak hold
- Low battery indication
- Auto power off
- Limited 2-year warranty



Description	Part No.
Digital Multimeter w/peak hold, temperature, includes thermocouple	61-486

Includes: Test Leads, Thermocouple & Carrying Case.

Specifications	Range & Resolution	Accuracy
AC Voltage	6.000/60.00/600.0/1000.0 V	0.80%
AC mV	600.0 mV	1.2%
DC Voltage	6.000/60.00/600.0/1000.0 V	0.08%
DC mV	60.00/600.0 mV	
AC Current	60.00m/600.0m/6.000/10.00A	1.2%
DC Current	60.00m/600.0m/6.000/10.00A	0.80%
Resistance	600.0/6.000k/60.00k/600.0k/ 6.000M/40.00M Ω	0.80%
Capacitance	1nF to 10mF	0.1%
Frequency	99.9 to 100.0k Hz	0.1%
Temperature	-40°F to 752°F (-40°C to 400°C)	1.0%

Accessories	Part No.
Test Leads w/Alligator Clips, Standard	TL-495
Test Leads w/Larger Alligator Clips	TL-770
Test Leads with Alligator Clips, Premium	TL-795
Beaded K-type Thermocouple*	61-461
Thermocouple Adapter*	61-465
Replacement Thermocouple	TC-486

*Note: K-type thermocouple plugs into digital multimeter voltage jacks with 61-465 adapter.

SureTest® Circuit Analyzer

Have wiring issues ever required you to remove multiple outlet covers and pull outlets out of their boxes to look for a problem? Have you ever suspected that wiring integrity is the issue but your meter shows 120 volts and your receptacle tester indicates wiring is correct?

The SureTest® Circuit Analyzer from IDEAL is a comprehensive branch circuit analyzer that allows you to “look behind the walls” to find wiring problems, saving you time and money while letting you get the job done with safety and confidence.

SureTest Circuit Analyzer finds many of the toughest problems:

Bootleg Grounds have been fooling inspectors for years when checking circuits for integrity. Receptacle (Plug) testers test for voltage and can't identify this improper wiring condition. Bootleg grounds set up the potential for dangerous undetected fault conditions.



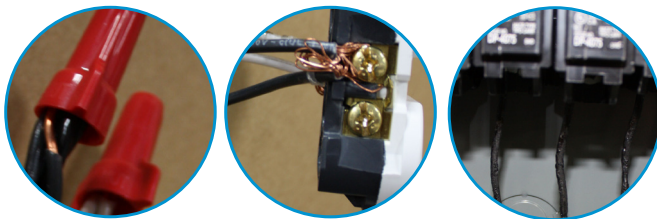
Traditional receptacle test indicates circuit is good.

Solution: The SureTest® by IDEAL can't be fooled, its advanced processing software gives it the capability to quickly identify bootleg grounds within 15 ft. of the outlet being tested.



IDEAL SureTest™ clearly identifies a fault with the ground.

Improper Installations can result in electrical fire hazards, personal shock hazards, and premature equipment failure.



Improper solid wire connection. Improper stranded wire connection. Improperly torqued circuit breaker lugs.

Solution: The SureTest® measures and displays individual Line Impedance giving the electrician/inspector valuable insight as to whether a particular conductor is the problem due perhaps to faulty splicing, overly long conductor runs, or undersized wire gauge.



Excessive voltage drop in a circuit can cause lights to flicker or burn dimly, heaters to heat poorly, and motors to run hotter than normal and burn out. It also causes overheating of components, often resulting in expensive damage or fire.

- Measures voltage drop under load*
- Hot, neutral, and ground conductor impedances
- Estimates Load on Line (ELL) up to 15A
- Tests GFCIs and EPDs for proper operation
- Super-bright OLED display
- True RMS
- Identifies proper wiring in 3-wire receptacles
- Identifies false (bootleg) grounds
- Tests without disturbing sensitive loads
- Verifies isolated grounds (with 61-176 adapter)
- 2-year warranty

***12A, 15A, 20A load tests**

Solution: SureTest® measures the line voltage under simulated load conditions. Results are displayed for 12A, 15A, and 20A loads.



Description	Part No.
SureTest® Circuit Analyzer	61-164

Includes: Carrying Case and Extension Cord.

The SureTest® Circuit Analyzer is designed for use on 120 VAC clean power, (no dimmer switches), Hot to Neutral and ground only. Certain calculations are not possible when no ground is present. It is protected against inadvertent connection to 240 volts but should be unplugged IMMEDIATELY and no buttons should be pressed. It is not intended for use on split (balanced) 60-60 volts systems.

Specifications	Range & Resolution	Accuracy
AC Voltage	85.0 - 265.0 VAC	1.0%
Frequency	45.0 - 65.0 Hz	1.0%
Impedance	0.00 - 3.00 Ω	5.0%
Ground-Neutral Voltage	0.0 - 24.0 VAC	2.0%
% Voltage Drop 12A, 15A, 20A load tests	0.1% - 50.0%	5.0%
GFCI Test Current/Time	6.0 - 9.0 mA 0.0 - 6500 mS	2.0%

Accessories	Part No.
Ground Continuity Adapter	61-175
Isolated Ground Adapter	61-176
Alligator Clip Adapter	61-183
1' Extension Cord	61-182
Nylon Carrying Case	61-179

SURETRACE™ CIRCUIT TRACERS

IDEAL, a leader in Circuit Tracing technology, has released the latest generation of circuit tracers with refinements in performance, ease-of-use and safety.

Performance

- Four defined ranges let you quickly select the proper sensitivity for your job
- Easy-to-replace AA batteries

Ease-of-Use

- Super-bright OLED display (61-957 and 61-959) indicates a numeric value between 0 and 99, providing a quick and easy way to determine received signal strength
- Audible indication with variable tone assists in locating signal source
- Peak detection provides instantaneous signal strength feedback
- SureTrace™ Circuit Tracers feature a rotating display. Regardless of the receiver orientation, the display automatically adjusts itself to a vertical position for easy reading.

Safety

- Designed for durability and safety
- CAT III 600V
- High energy fuse

Features

- Can be used on circuits 0-600V AC/DC
- The transmitter is compatible with DC, 50 & 60Hz voltage from 0-600 volts. It is not compatible with the output of dimmer switches, variable frequency drives and any non-standard waveform.
- Identifies breakers and fuses
- Pinpoints opens and shorts
- Traces wires behind walls

⚡ CertainCircuit™

After the correct breaker has been identified and tripped, the transmitter senses the loss of power and sends a different signal back to the receiver at the panel to give the user confidence that the right circuit has been de-energized.



Exclusive Rotating Display



Pinpoints Opens & Shorts



Traces behind walls



Traces on de-energized circuits



Inductive Clamp



SureTrace™ Circuit Tracers

- Receiver display rotates automatically for easy viewing
- Identifies breakers and fuses with CertainCircuit™ detection
- Pinpoints opens and shorts
- Traces wires
- “0-99” display of signal strength
- Audible indication intensifies in tone/pitch with signal strength
- Works on energized or de-energized circuits (0 - 600V AC/DC)
- Four sensitivity levels
- Peak reading bar graph
- 2-year warranty



Description	Part No.
Receiver with super-bright OLED Rotating Display (in 90° increments) – Kit includes Transmitter TR-955, Receiver RC-959, Lead Set TL-956, Inductive Clamp IC-958, Battery Pack BP-958 & Strap 61-565, Hard Carrying Case C-959, Batteries and Instruction Manual	61-959
Receiver with super-bright OLED Rotating Display (in 90° increments) – Kit includes Transmitter TR-955, Receiver RC-959, Lead Set TL-956, Hard Carrying Case C-957, Batteries and Instruction Manual	61-957
Receiver with Rotating red LED Display (in 180° increments) – Kit includes Transmitter TR-955, Receiver RC-955, Lead Set TL-956, Hard Carrying Case C-955, Batteries and Instruction Manual	61-955

Kit Components	61-959	61-957	61-955
Transmitter	TR-955	TR-955	TR-955
Receiver	RC-959	RC-959	RC-955
Tracer Test Lead Set	TL-956	TL-956	TL-956
Inductive Clamp Transmitter	IC-958	–	–
Battery Pack & Strap (61-565)	BP-958	–	–
Hard Carrying Case	C-959	C-957	C-955
Batteries	•	•	•
Instruction Manual	•	•	•
Battery Pack Strap	61-565	–	–

Notes:

- Circuit breaker identification is not possible using the inductive clamp. Connect directly to the H-N for breaker or fuse identification.
- The inductive clamp is intended for use on de-energized closed loop circuits, low voltage conductors, or live circuits up to 120V AC with less than 5 Amps of current flowing.
- All instruction manuals are included and are available on-line at <https://idealind.com/content/dam/electrical/assets/TestMeasurement/SureTrace%20Circuit%20Tracers/nd-7837-2-suretrace-ins.pdf>

Cases only compatible with current components.



Visit idealcircuit-tracer.com for complete information and “How-To Videos.”

RC-959 Receiver

- Super-bright OLED display
- Rotating display (in 90° increments)
- Displays 0-99 numeric signal strength
- Four sensitivity levels
- CertainCircuit™ detection
- Peak reading bar graph
- Audible indication (variable pitch/tone)
- Displays battery life remaining
- Supplied with 3 AA batteries



Description	Part No.
Receiver	RC-959

RC-955 Receiver

- Red LED display (suitable for indoor lighting conditions)
- Rotating display (in 180° increments)
- Displays 0-99 numeric signal strength
- Four sensitivity levels
- CertainCircuit™ detection
- Peak reading bar graph
- Audible indication (variable pitch/tone)
- Displays battery life remaining
- Supplied with 3 AA batteries



Description	Part No.
Receiver	RC-955

TR-955 Transmitter

- Rated for use on circuits from 0 to 600V AC/DC
- Works on de-energized circuits
- Can be used on GFCI protected circuits
- Indicates presence of AC/DC voltage
- DC and clean 50 and 60Hz waveforms only, incompatible with VFD outputs.
- Low battery indicator
- Supplied with 4 AA batteries



Description	Part No.
Transmitter	TR-955

Inductive Clamp & Battery Pack

- Induces a signal in a conductor
- 1 in. jaw opening/6 ft. cord
- Works on de-energized circuits and energized circuits up to 120VAC, with less than 5 amps, also low voltage wiring & metal conduit
- Powered solely by a separate battery pack (supplied with 8 C-cell batteries)
- Battery pack has magnetic strap for hanging in panels



Description	Part No.
Inductive Clamp	IC-958
Battery Pack	BP-958

Included in 61-659 kit only.

Accessories

TL-956 Lead Adapter Kit



Replacement Parts	Part No.
Cradle for Receiver (threaded for use on standard extension pole)	CR-959
Fuse (for TR-955 Transmitter) - Contact Technical Services for information/availability	F-956
Lead/Adapter Kit (contains items 1 through 6 below)	TL-956
1. 3 ft. Lead Adapters for Transmitter (set of 2)	—
2. 25 ft. Lead Adapter for Transmitter	—
3. Alligator Clips for Lead Adapters (set of 2)	—
4. Blade Prongs for Lead Adapters (set of 2)	—
5. Prong for Lead Adapters	—
6. Outlet Plug Adapter for Transmitter	—

Solenoid Voltage Testers

- Extremely rugged and reliable
- Vibrates when AC voltage is present
- Indicates AC/DC voltage level
- Replaceable leads with shielded probe tips (UL 61010-031 compliant)
- Bright, long-life LED's and neon indicator lamp
- Dual voltage indication for backup safety
- 2-year warranty



Description	Part No.
Vol-Con® Voltage/Continuity Tester, 5-600V AC/DC	61-076
Vol-Test® Voltage Tester, 100-600V AC/DC	61-065
Nylon Carrying Case	C-90
Standard Test Leads (for use with 61-076 & 61-065)	61-070
Resistor Fused Leads (for use with 61-076 & 61-065)	61-072
Replacement 1.5V Batteries, 4/pack	61-201

Includes: Standard Test Leads.

E-Z Check® Circuit Tester

- Tests for correct wiring, open Ground, reverse polarity, open hot, open neutral, hot on neutral, hot and ground reversed with open hot in 3-wire, 120VAC circuits
- Simulates ground fault for testing GFCIs (61-051 only)
- No-slip ergonomic design maximizes comfort
- Premium neon lamps prevent false readings
- Tough, impact-resistant case
- 2-year warranty



Description	Part No.
E-Z Check® Plus GFCI Circuit Tester	61-051
E-Z Check® Circuit Tester	61-035



Vol-Con® Elite Digital Voltage Tester

- Tests for AC Voltage from 24-600VAC and DC Voltage from 6-220VDC
- Visual and audible warning
- Audible continuity
- Non-contact voltage indication (40-600VAC)
- Low impedance to eliminate ghost voltages
- Low battery indicator
- Replaceable silicone test leads (UL 61010-031 compliant)
- Integral lead storage
- 2-year warranty



Description	Part No.
Vol-Con® Elite Digital Voltage Tester w/vibration mode	61-092
Nylon Carrying Case	C-90
Silicone Test Leads	TL-102

Includes: Silicone Test Leads.

Insulation Testers

- Checks new installations for damaged insulation
- Checks existing installations and motor windings for breakdowns in insulation
- 2-year warranty



Description	Part No.
Insulation Meter w/PI, DAR, Includes Remote Probe, Test Leads and Carrying Case	61-797
Remote Probe Test Lead (61-797)	TL-797RP
Insulation Tester - Includes Test Leads and Carrying Case	61-795
Test Leads w/Alligator Clips, Premium (for 61-795 & 61-797)	TL-795

Specifications	Range & Resolution	
	61-797	61-795
Test Voltage	50/100/250/500/1000 VDC	250/500/1000 VDC
Voltage AC/DC	0.1-600.0 V	0.1-600.0 V
Continuity	—	0.01-20.0 Ω
Resistance	0.01 Ω to 40.00k Ω	0-200.0Ω
Insulation Resistance	Up to 20G Ω	Up to 4000M Ω
Earth-Bond Resistance	0.01 Ω to 40.00k Ω	0.01 Ω to 19.99 Ω

Circuit Breaker Finder w/GFCI Receptacle Testing and Non-Contact Voltage Sensing

Locating breakers is often a two person job, one turning off breakers, the other waiting to see when a specific circuit is de-energized. It is frequently done by trial and error, or even by dangerously grounding a wire to the box to trip a breaker.

When locating breakers becomes needlessly time consuming and short cuts are taken, nobody wins. It was with this challenge in mind that IDEAL developed the Digital Circuit Breaker Finder.

The patented 61-534 Digital Circuit Breaker Finder from IDEAL makes locating breakers in AC circuits quick and easy. No need to interrupt the supply - simply plug the transmitter into an outlet, then two quick passes of the receiver over the breakers will reveal the associated breaker with clear audible and visual indicators. The 61-534 Digital Circuit Breaker Finder enables safe and reliable working by taking the guesswork out of circuit identification.

The IDEAL 61-534 Circuit Breaker Finder provides three testers in one device. The receiver identifies breakers by detecting a signal applied to the branch circuit by the transmitter, and additionally incorporates a non-contact voltage sensing function. The transmitter also works as a GFCI receptacle tester, allowing you to verify AC is present in an outlet and to detect nearly all common improper wiring conditions. So you get the functionality of a circuit breaker finder, a non-contact voltage tester, and a GFCI receptacle tester in one versatile tool.



Features & Specifications Transmitter

- Triple function - acts as a Signal Transmitter, Polarity Indicator and GFCI Receptacle Tester
- Tests for correct wiring, open ground, reverse polarity, open hot, open neutral, hot on neutral, hot and ground reversed with open hot in 3 wire, AC circuits
- 3-pin plug format allows direct connection to standard NEMA 5 15R receptacles
- Compatible with the latest generation of self-testing GFCIs
- Power Supply: Line powered (115-250VAC)
- Supply Frequency: 47-63Hz
- Weight: 50g approx.
- Pulse Amplitude: 18A approx. @ 120V
- Pulse Rate: 4mS every 17ms (@ 60Hz)
- Power Consumption: 200mW max. @ 120VAC



Receiver

- Dual function - acts as a Non-Contact Voltage Tester and Breaker Finder
- Ergonomic Bent Tip Design w/ flat surface to support correct receiver orientation when scanning the panel
- Visual and audible indicators
- Low battery detect
- Auto Power off (after 10 mins. of no activity)
- Power Supply: 9V Alkaline Battery
- Weight: 85g (without battery)

System

- Warranty: 2-years (limited)
- Certification: UL 1436
- Use Environment: Cat II 300V
- Operating Temperature: 32 to 122°F (0 to 50°C)

Description	Part No.
Circuit Breaker Finder w/Digital Receiver & GFCI Circuit Tester	61-534

Split-Jaw™ Smart Meter

- Measures
 - 0.9-200AAC
 - 1.3-750VAC
 - 2.1-1000VDC
 - 0.0-9999Ω
- Audible continuity
- Data hold
- Integral lead storage
- Replaceable test leads
- Auto power off
- Low battery indication
- Test leads UL 61010-031 compliant
- 2-year warranty

Description	Part No.
Split-Jaw™ Smart Meter	61-096

Includes: Test Leads.

Specifications	Range & Resolution	Accuracy
AC Voltage	1.3 - 750 V	1.5%
DC Voltage	1.8 - 1000 V 0.6 - 1000 V	1.0%
AC Current	0.6 - 200.0A	3.0%
Resistance	0 - 2000 Ω	1.0%

*Note: Jaw opening is 0.6 in. (16mm) - up to 1/0 copper cable.



3-Phase Sequence Tester

- For use from 120 to 600VAC
- Color-coded insulators
- Shock resistant housing
- Easy to read
- 2-year warranty



Description	Part No.
3-Phase Sequence Tester	61-520

Includes Carrying Case.

3-Phase/Motor Rotation Tester

- Identifies three-phase sequence
- Indicates motor rotation
- Checks for open phases
- For use up to 600VAC
- 2-year warranty



Description	Part No.
3-Phase/Motor Rotation Tester	61-521
Test Lead Set	TL-521

Includes Carrying Case.

SAFETY IN THE FIELD

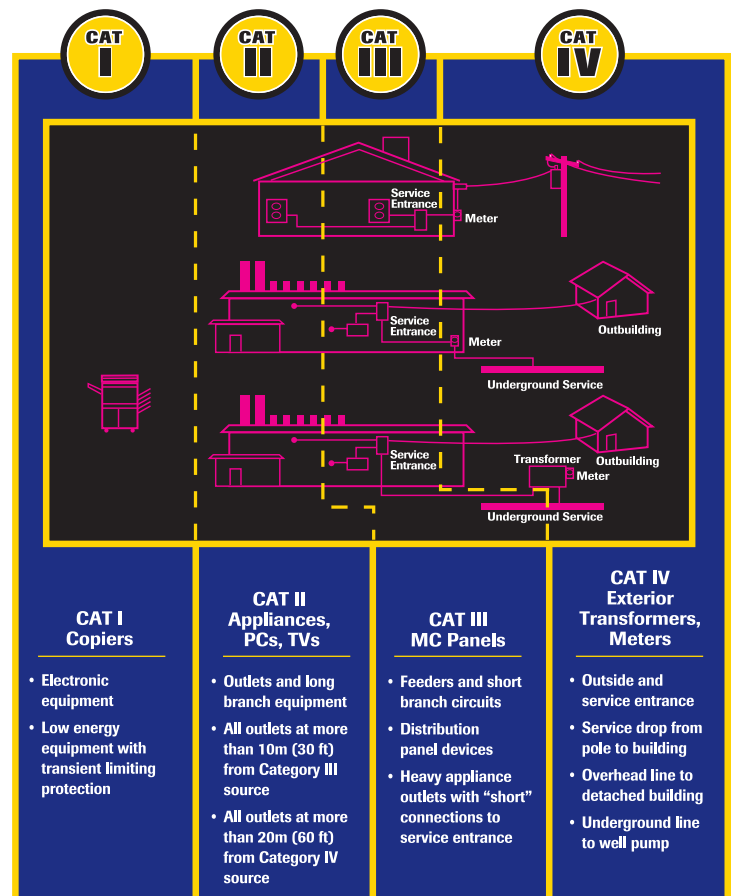
IEC (International Electrotechnical Commission) Category Ratings

Category I – The signal level for telecommunications, electronic and other low-energy equipment with transient limiting protection. Peak impulse transient range is 600-4,000 volts with 30 ohm source.

Category II – The local level for fixed and non-fixed powered devices including appliances, lighting and portable equipment. Outlets located more than 30 feet from CAT III sources and 60 ft. from CAT IV sources. Peak impulse transient range is from 600-6,000 volts with a 12 ohm source.

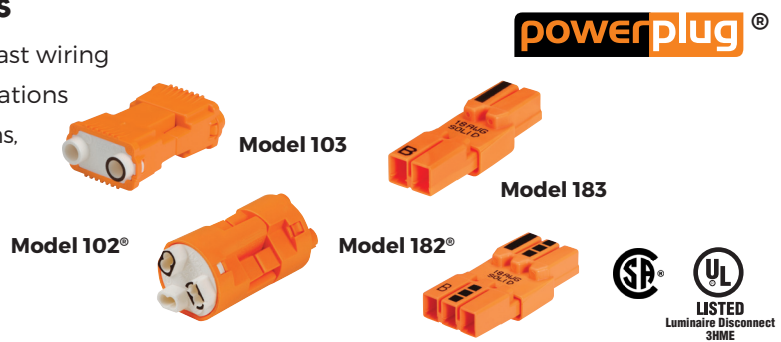
Category III – The distribution level for fixed primary feeders or branch circuits. Circuits that are separated from CAT IV sources by at least one level of transformer isolation. Peak impulse transient range is 600-8,000 volts with a 2 ohm source.

Category IV – The primary supply level for the highest levels of transient over voltage. Includes the utility service both outside and at the service entrance, service drop from the pole to the building, overhead line to remote buildings, and underground line to a well pump. Peak impulse transient range is 600-12,000 volts with less than a 1 ohm source. Visit idealind.com for more technical product details, application support, white papers, videos and software.



PowerPlug® Luminaire Disconnects

- Allows safe disconnect of hot and neutral ballast wiring
- Perfect for new, retrofit or OEM lighting installations
- Push-in technology results in quicker connections, saving time and increasing productivity
- Both halves are “touch-safe” per UL 2459
- Fits through 1/2 in. knockout



Selection Chart

Application	New Installations	Retrofits
For 1-ballast fixtures	102°	102°, 182°
For 2-ballast, dimming and switching fixtures	103	103, 183

Model	Color	Electrical Rating	Line Side	Ballast Side	Quantity	Part No.
102° 2-wire	Orange	6 Amps/600 Volts Max.	Solid: #12 - #18 Stranded: #12 - #14 (≤19 str.) Stranded Tin-Bonded: #12 - #14 (≤19 str.) #16 (≤26 str.) #18 (≤16 str.)	Solid: #12 - #18 Stranded: #12 - #14 (≤19 str.) Stranded Tin-Bonded: #12 - #14 (≤19 str.) #16 (≤26 str.) #18 (≤16 str.)	Card of 25	30-372
					Jar of 75	30-382J
					Jar of 150	30-352J
					Box of 1,000	30-102
103 3-Wire	Orange	6 Amps/600 Volts Max.	Solid: #12 - #18 Stranded: #12 - #14 (≤19 str.) Stranded Tin-Bonded: #12 - #14 (≤19 str.) #16 (≤26 str.) #18 (≤16 str.)	Solid: #18 Stranded: None Stranded Tin-Bonded: #18 (≤16 str.)	Card of 20	30-383X
					Jar of 100	30-353XJ
					Box of 1,000	30-103X
182° 2-Wire	Orange	3 Amps/600 Volts Max.	Solid: #18	Solid: #18	Box of 100	30-082
					Box of 2,500	30-682
					Box of 1,000	30-682L
183 3-Wire	Orange	3 Amps/600 Volts Max.	Solid: #18	Solid: #18	Box of 100	30-083
					Box of 2,500	30-683

1,000V maximum fixtures and signs.

SpliceLine® In-Line Wire Connectors

- Faster alternative to traditional butt splices
- Crimp-free, solderless push-in butt splice
- Slim design fits through 1/2 in. knockout
- Perfect for lengthening wire
- Transparent polycarbonate housing for visual inspection of connection
- Listed for UL 467



SpliceLine®



Model	Color	Rating	Wire Range	Quantity	Part No.
42	Orange	600V/20A 105°C	Solid: 20-12 AWG Stranded: 16-12 AWG (≤19 str.) Stranded Tin-Bonded: 18-14 AWG (≤19 str.)	Bag of 10	30-1342S
				Box of 100	30-1042
				Jar of 300	30-1042J
				Box of 2,500	30-1642

WeatherProof Wire Connectors

Above Grade (Ground) Use



- 100% Silicone-based sealant protects against moisture and corrosion
- UL Listed to 486G sealed twist-on wire connector for use in damp/wet locations or above-grade applications
- Easy to apply, pre-filled twist-on wire connectors
- Swept-wing design is built for comfort and efficiency
- Eliminates the need for heat-shrink or excessive taping
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)



UnderGround Wire Connectors

Below Grade (Ground) Use



- 100% Silicone-based sealant protects against moisture and corrosion
- UL Listed to 486G sealed twist-on wire connector for use in damp/wet locations or direct burial/below-grade applications
- Easy to apply, pre-filled twist-on wire connectors
- Expanding, live-action square-wire spring for fast, secure and long-lasting connections
- Deep skirt provides superior moisture resistance to protect connections
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)



WeatherProof Wire Connectors					
Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
61°	Gray/Orange	600V* 22 to 14 AWG Min. 2 #20 - Max. 2 #14	600V* .34mm ² to 4,0mm ² Min. 2-.5mm ² - Max. 2-2,5mm ²	Card of 25	30-1161
				Jar of 150	30-1261J
				Carton of 1,000	30-1361
62°	Gray/Red	600V* 18 to 8 AWG Min. 3 #18 - Max. 2 #10 w/1 #14	600V* .75mm ² to 10,0mm ² Min. 2-1,5mm ² Sol. - Max. 2-6,0mm ²	Card of 20	30-1162
				Jar of 100	30-1262J
				Carton of 1,000	30-1362
63°	Gray/Dk. Blue	600V* 16 to 6 AWG Min. 3 #14 - Max. 5 #10	600V* 1,5mm ² to 16,0mm ² Min. 3-2,5mm ² Sol. - Max. 5-6,0mm ²	Card of 15	30-1163
				Jar of 50	30-1263J
				Carton of 1,000	30-1363
UnderGround Wire Connectors					
Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
60°	Gray/Gray	600V* 20 to 10 AWG Min. 1 #20 w/1 #18 Max. 1 #10 w/2 #12	600V* .5mm ² to 6,0mm ² Min. 1-.5mm ² w/1,75mm ² Max. 1-6,0mm ² w/2-4,0mm ²	Card of 25	30-1160
				Box of 100	30-1260
64°	Gray/Dk. Blue	600V* 18 to 8 AWG Min. 2 #18 Sol. - Max. 3 #10	600V* .75mm ² to 10,0mm ² Min. 2-.75mm ² Sol. - Max. 3-6,0mm ²	Box of 50	30-1264
66™	Gray/Dk. Blue	600V* 14 to 6 AWG Min. 3 #12 - Max. 2 #6 w/1 #10	600V* 2,5mm ² to 16,0mm ² Min. 3-4,0mm ² Sol. - Max. 2-16,0mm ² w/1-6,0mm ²	Box of 50	30-1066

*1,000V maximum fixtures and signs.

WeatherProof & UnderGround Wire Connector Combo Packs



Combination Packages			
Model	Color	Quantity	Part No.
61°/62°	Gray/Orange · Gray/Red WeatherProof Wire Connectors	Card of 10 (5 ea.)	30-6162
60°/64°	Gray/Gray · Gray/Dk. Blue UnderGround Wire Connectors	Card of 10 (5 ea.)	30-6064

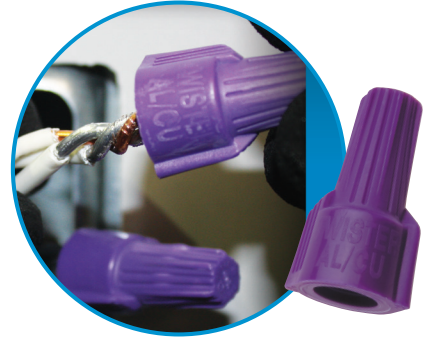
*1,000V maximum in fixtures and signs

WARNING: One time use only. Do not reuse connector.

Twister® Al/Cu Wire Connectors

Al/Cu Connections

- Only aluminum-to-copper twist-on connector specifically designed to provide a secure connection while preventing aluminum corrosion
- Pre-filled antioxidant compound prevents oxidation of aluminum conductors
- Patent swept wings and hexagonal head for easy installation by hand or with standard nut driver
- Live-action, square-wire spring expands and contracts with aluminum wire
- Entry-cap retains corrosion-resistant compound
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- Complies with N.E.C. Section #110-14(b) for aluminum-to-copper connections; UL Listed to 486C and CSA Certified to C22.2 #188



Wire Connector
774A

Wire Connector
also listed as
grounding
equipment



Model	Color	Wire Combination Ranges	Quantity	Part No.	
65	Purple	1 #10 Al solid w/1 or 2 #10 Cu solid	1 #12 Al w/1 or 2 #14 Cu	Card of 2	30-065
		1 #10 Al w/1 or 2 #12 Cu	2 #12 Al solid w/1 #14 Cu	Card of 10	30-765
		2 #10 Al solid w/1 #12 Cu	1 #10 Al w/1 or 2 #18 Cu	Card of 25	30-165
		1 #10 Al w/1 or 2 #14 Cu	2 #10 Al solid w/1 #18 Cu	Box of 100	30-265
		2 #10 Al solid w/1 #14 Cu	1 #12 Al w/1 or 2 #16 Cu	Carton of 1,000	30-365
		2 #12 Al solid w/1 #10 Cu	2 #12 Al solid w/1 #16 Cu		
		1 #12 Al solid w/1 or 2 #10 Cu	1 #10 Al w/1 or 2 #16 Cu		
		1 #12 Al stranded w/1 or 2 #10 Cu solid	2 #10 Al solid w/1 #16 Cu		
		1 #12 Al w/1 or 2 #12 Cu	1 #12 Al w/1 or 2 #18 Cu		
		2 #12 Al solid w/1 #12 Cu	2 #12 Al solid w/1 #18 Cu		

600V maximum building wire; 1,000V signs or light fixtures

WARNING:

- 1. One time use only. Do not reuse connector.**
- 2. Do not use on aluminum to aluminum wire combinations.**
- 3. Wiring must comply with all applicable electrical codes.**
- 4. Use with aluminum-to-copper or copper clad-to-copper connections only.**

For a complete listing of UL approved wire combinations, visit us at idealind.com

Alphabetical Index

Item	Page	Item	Page	Item	Page	Item	Page
3-Phase/Motor Rotation Tester	34	I		M		T	
A		Insulated		Markers		Tags, Lockout	8
Al/Cu Wire		Kits	20-21	Conduit	9	Tapes	10, 11
Connectors	37	Knife	23	Voltage	9	Tapes, Fish	25
B		Nut Drivers	22	Meters, Clamp	26	Test Tool	27
Barricade Tapes	11	Screwdrivers	21-22	Multimeter	27	Testers	
Breaker		Tools	23	N		Insulation	32
Lockouts	5, 6	Insulation Testers	32	Nut Drivers, Insulated ...	22	Voltage	32
C		K		P		TightSight™ Clamp	
Cable Lockouts	7	Kits		Padlocks	8	Meters	26
Circuit		Insulated	20-21	Plug Lockouts	6-7	Tools, Insulated	23
Analyzers	28	Lockout/Tagout	1-4	PowerPlug® Luminaire		Tracers, Circuit	31
Breaker Finder	33	Knife, Insulated	23	Disconnects	35	Twister® Al/Cu	
Testers	32	L		Pullers, Fuse	24	Wire Connectors	37
Tracers	29-31	Labels, Lock	8	S		U	
Clamp Meters	26	Lock		Safety Signs	9	UnderGround Tapes	10
Conduit Markers	9	Labels	8	Screwdrivers,		UnderGround Wire	
Connectors, Wire	35-37	Stations	4, 5	Insulated	21-22	Connectors	36
D		Locking Cable	11	Signs	9	V	
Disconnects,		Lockout		SpliceLine® In-Line Wire		Valve Lockouts	7
Luminaire	35	Signs	9	Connectors	35	Voltage	
F		Tags	8	Split-Jaw™ Smart Meter	33	Markers	9
Fish Tapes	25	Lockout/Tagout Kits	1-4	Stations, Lock	4, 5	Testers	32
Fuse Pullers	24	Lockout		SureTest® Circuit		W	
G		Breakers	5, 6	Analyzer	28	Wall Switch Lockouts	7
Group Lock Box	4	Cables	7	SureTrace™ Circuit		WeatherProof Wire	
H		Devices	5-7	Tracer	29-31	Connectors	36
Hasps	8	Plugs	6-7			Wire Connectors	35-37
		Valves	7				
		Wall Switches	7				
		Luminaire					
		Disconnects	35				

Part Number Index

Item	Page	Item	Page	Item	Page	Item	Page
30-065	37	34-003	24	44-296	9	44-907	8
30-082	35	34-012	24	44-298	9	44-912	8
30-083	35	34-015	24	44-299	9	44-914	8
30-102	35	34-016	24	44-314	9	44-916	8
30-103X	35	35-9029	23	44-353	9	44-918	8
30-1042	35	35-9038	23	44-355	9	44-956	6
30-1042J	35	35-9052	23	44-358	9	44-957	6
30-1066	36	35-9100	20	44-364	9	44-969	4
30-1160	36	35-9101	20	44-410	9	44-970	1
30-1161	36	35-9102	21	44-764	6	44-971	2
30-1162	36	35-9103	21	44-768	6	44-972	3
30-1163	36	35-9104	22	44-769	6	44-973	1
30-1260	36	35-9108	20	44-772	7	44-974	3
30-1261J	36	35-9147	22	44-778	5	44-975	4
30-1262J	36	35-9148	22	44-782	7	44-979	2
30-1263J	36	35-9149	22	44-783	5	44-990	11
30-1264	36	35-9150	22	44-785	5	45-9120	23
30-1342S	35	35-9151	22	44-786	5	61-035	32
30-1361	36	35-9166	22	44-789	7	61-051	32
30-1362	36	35-9168	22	44-790	8	61-065	32
30-1363	36	35-9169	22	44-791	8	61-070	32
30-1642	35	35-9170	22	44-792	6	61-072	32
30-165	37	35-9172	22	44-793	6	61-076	32
30-265	37	35-9193	22	44-800	8	61-092	32
30-352J	35	35-9194	22	44-801	8	61-096	33
30-353XJ	35	35-9196	22	44-804	4	61-164	28
30-365	37	35-9290	22	44-806	5	61-175	28
30-372	35	35-9291	22	44-807	5	61-176	28
30-382J	35	35-9292	22	44-808	7	61-179	28
30-383X	35	35-9293	22	44-809	5	61-182	28
30-6064	36	35-9294	22	44-810	5	61-183	28
30-6162	36	35-9295	22	44-817	7	61-201	32
30-682	35	35-9296	22	44-818	6	61-461	27
30-682L	35	35-9297	22	44-819	6	61-465	27
30-683	35	35-9305	21	44-820	7	61-486	27
30-765	37	35-9340	23	44-821	7	61-520	34
30-9429	23	35-9350	22	44-822	6	61-521	34
30-9430	23	35-9351	22	44-823	5	61-534	33
31-060	25	35-9352	22	44-824	7	61-704	27
31-061	25	35-9420	23	44-825	7	61-763	26
31-062	25	35-9690	22	44-829	7	61-765	26
31-063	25	35-9691	22	44-830	8	61-773	26
31-064	25	35-9693	22	44-832	8	61-775	26
31-065	25	35-9695	22	44-833	8	61-795	32
31-086	25	42-001	11	44-841	9	61-797	32
31-087	25	42-002	11	44-843	8	61-955	30
31-088	25	42-003	11	44-846	7	61-957	30
31-150	25	42-012	11	44-847	7	61-959	30
31-152	25	42-051	11	44-848	8	BP-958	31
31-155	25	42-052	11	44-849	8	C-760	26
31-160	25	42-101	10	44-862	9	C-770	26
31-162	25	42-102	10	44-863	9	C-90	32
31-165	25	42-103	10	44-865	9	CR-959	31
31-186	25	42-104	10	44-877	9	F-956	31
31-187	25	42-151	10	44-878	9	IC-958	31
31-189	25	42-152	10	44-880	9	RC-955	31
31-190	25	42-201	10	44-881	9	RC-959	31
31-200	25	42-251	10	44-890	9	TC-486	27
31-201	25	42-252	10	44-892	9	TL-102	32
31-202	25	44-1791	8	44-892BK	9	TL-495	27
31-207	25	44-1807	5	44-893	9	TL-521	34
31-208	25	44-1809	5	44-894	9	TL-770	26, 27
31-542	25	44-1810	5	44-895	9	TL-795	27
31-544	25	44-1830	8	44-896	9	TL-797RP	32
31-552	25	44-1833	8	44-898	8	TL-956	31
31-554	25	44-289	9	44-900	8	TR-955	31
34-001	24	44-292	9	44-901	8		
34-002	24	44-295	9	44-906	8		

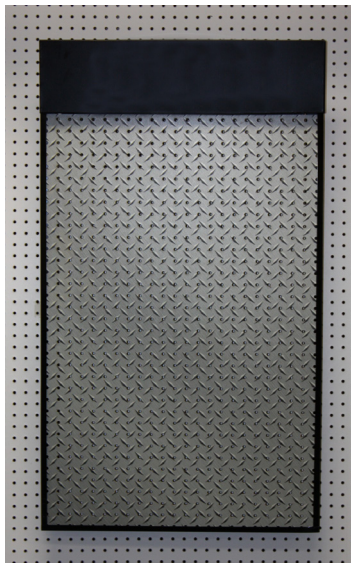
MERCHANDISING

Your store's shelf is a battleground for the electrician's dollar. If it's advertising that gets customers into the store, it's merchandising that gets them to select the right products for the job once they are there. At IDEAL Electrical, we are dedicated to building in-store merchandising to maximize your sales by making key products stand out, educating the tradesman on the right tools for the job and giving them one-stop shop options to get everything they need and get back on the job site.

IDEAL Electrical merchandising solutions include our most basic racks and signage to our compelling and powerful Profit Center solutions. As the market leader in many of the categories we serve, you can count on IDEAL Electrical to be your category partner to drive profitable growth and deliver a shopping experience that is meaningful to the tradesman.

Counter Displays

Perfect for showing off impulse items or specialty SKUs. Available to help maximize your point-of-purchase sales.



Wall Displays

Gondolas, specialty displays, signage and accessories provide a clutter-free organized area in your store.



Rolling Displays

Arrange your displays and move them anywhere on your showroom floor with ease.





SAFETY, HEALTH & ENVIRONMENT CATALOG



ABOUT IDEAL ELECTRICAL

IDEAL Electrical has been making tools and parts for electricians for over 100 years. We've sold over a billion wire connectors and our products have traveled from the South Pole to the moon. We make tools for every part of the job. We even created the IDEAL National Championship to celebrate electricians everywhere.

Our mission is to champion electricians and the entire electrical industry – the contractors, distributors, students and trade schools. This is the industry that powers the civilized world.

We are part of IDEAL INDUSTRIES, INC., a five-generation, family-owned company built on a philosophy of creating ideal relationships with customers, employees, vendors and communities. It's a philosophy that has helped the company become a global innovator, with business units serving automotive, aerospace, construction and other industries around the planet.

IDEAL INDUSTRIES, INC. is committed to Building an IDEAL World.

A DIVISION OF



1800 S. Prairie Drive, Sycamore, IL 60178, USA (815) 895-5181 | (800) 435-0705 in USA
International offices: Australia | Canada | China | France | Germany | Mexico | UK
For complete sales office contact information, visit us at idealind.com.