IDEAL electrical™



FULL-LINE CATALOG

WIRE TERMINATION | TOOLS & SUPPLIES |
TEST & MEASUREMENT | DATACOM

IDEAL electrical™

OWN EVERY CONNECTION

IDEAL Electrical exists to empower your electrical work. From cut to test, we equip electricians and contractors to safely power our world. Every IDEAL solution is designed with the quality and performance needed to power the work you take pride in.





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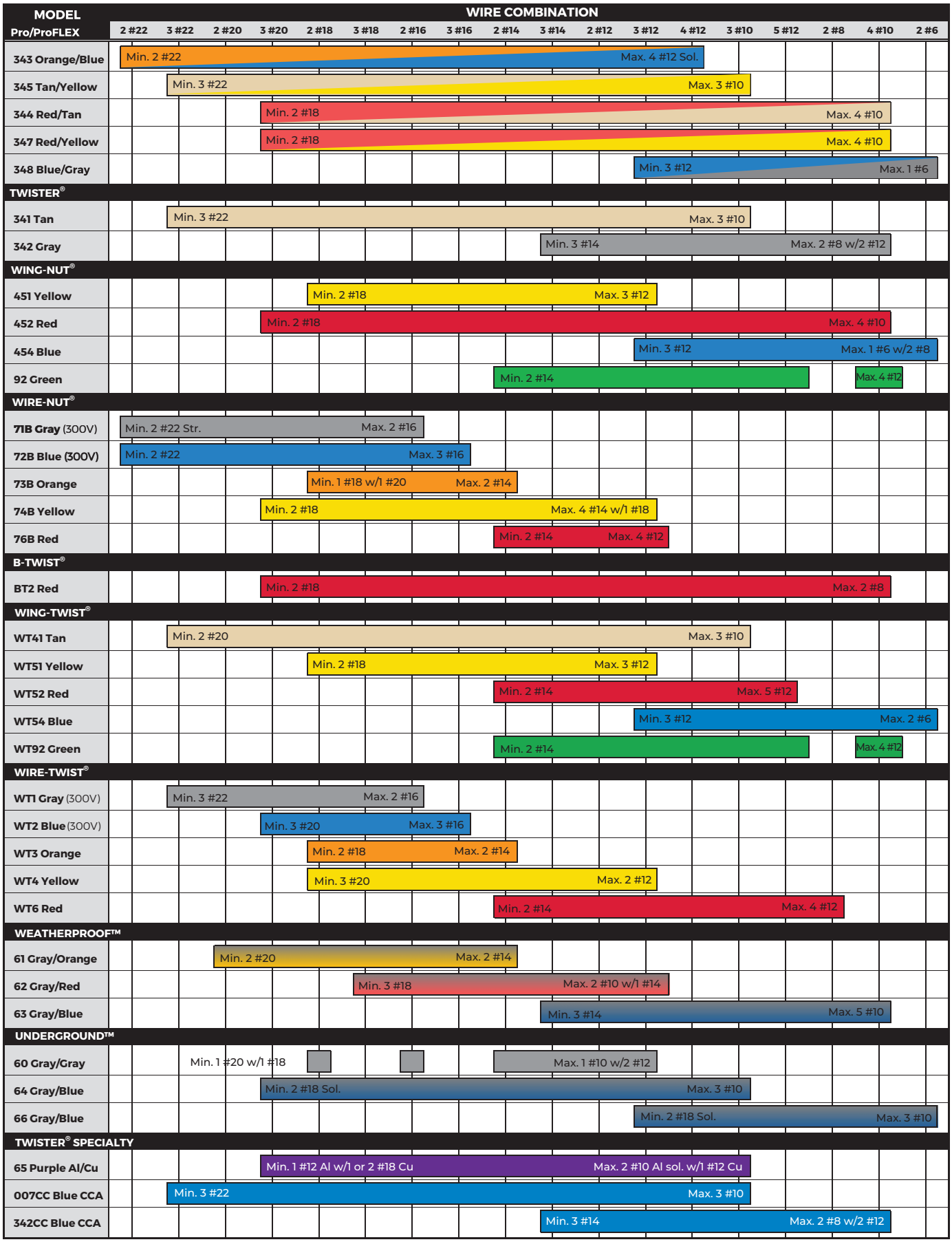
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TWISTER® PROFLEX™ WIRE CONNECTOR

WIRE RANGE CHART



IDEAL Electrical™ Wire Connectors are available in:

Barrels
For really big jobs when you can't afford to run out of connectors.



Store N' Pour™ Jars
Easy-pour design keeps connectors clean and your shelf organized.



360˚ Zipper Bags
These bags are convenient, re-closeable and stand-up on the job.



Boxes
For small jobs at hand, just grab a box.



Wire-Nut® Wire Connectors

- Fixed square spring for a secure hold
- Refined range to handle all common applications
- Positive grip shell that is perfect to twist-on with fingers
- Excellent for fine stranded wire applications
- UL Listed to 105˚C (221˚F)



UL LISTED Wire Connector 774A · Cu/Cu Only · CSA · CE

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
71B®	Gray	300V 22 to 16 AWG Min. 2 #22 Str. – Max. 2 #16	300V ,34mm² to 1,5mm² Min. 2-,34mm² Max. 3-1,5mm²	Box of 100	**30-071**
				Carton of 1,000	**30-171**
				Barrel of 25,000	**30-271**
72B®	Blue	300V 22 to 14 AWG Min. 2 #22 – Max. 3 #16	300V ,34mm² to 2,5mm² Min. 2-,34mm² Max. 3-1,5mm²	Box of 100	**30-072**
				Carton of 1,000	**30-172**
				Barrel of 10,000	**30-272**
				Barrel of 85,000	**30-872**
73B®	Orange	600V* 22 to 14 AWG Min. 1 #18 w/1 #20 Max. 2 #14	600V* ,34mm² to 2,5mm² Min. 1-,75mm² w/1-,50mm² Max. 4-1,5mm² w/1-,50mm²	Box of 100	**30-073**
				Jar of 300	**30-073J**
				Carton of 1,000	**30-173**
				Bag of 500	**30-273**
				Barrel of 10,000	**30-673**
				Barrel of 50,000	**30-873**
74B®	Yellow	600V* 18 to 12 AWG Min. 2 #18 Max. 4 #14 w/1 #18	600V* ,75mm² to 4,0mm² Min. 2-,75mm² Max. 4-2,5mm² w/1-,75mm²	Box of 100	**30-074**
				Jar of 175	**30-074J**
				Bag of 500	**30-274**
				Carton of 1,000	**30-174**
				Barrel of 5,000	**30-674**
76B®	Red	600V* 18 to 6 AWG Min. 2 #14 Max. 4 #12	600V* ,75mm² to 16,0mm² Min. 2-2,5mm² Max. 2-4,0mm²	Box of 100	**30-076**
				Jar of 150	**30-076J**
				Bag of 250	**30-276**
				Carton of 1,000	**30-176**

Models 71B®, 72B® and 73B® **PLENUM RATED** Suitable for Air-Handling Space

*1,000V maximum in fixtures and signs

Wing-Nut® Wire Connectors

- Contoured wing profile provides extra leverage for superior torque
- Expanding, live-action spring expands to accommodate a wide range of wire sizes and combinations
- Co-polymer shell expands for smooth, progressive tightening
- providing dependable connections
- Removable for repeat usage on same size or larger combinations
- Tough, UL94V-2 flame retardant shell rated at 105˚C (221˚F)



LISTED Wire Connector 774A Cu/Cu Only

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
451®	Yellow	600V* 18 to 10 AWG Min. 2 #18 – Max. 3 #12	600V* ,75mm² to 6,0mm² Min. 2-,75mm² – Max. 3-4,0mm²	Box of 100	**30-451**
				Jar of 225	**30-451J**
				Jar of 500	**30-651J**
				Bag of 500	**30-651**
				Barrel of 35,000	**30-851**
452®	Red	600V* 18 to 8 AWG **Min. 2 #18 – Max. 4 #10** **(Widest range in the Industry!)**	600V* ,75mm² to 10,0mm² Min. 2-,75mm² – Max. 4-6,0mm²	Box of 100	**30-452**
				Jar of 300	**30-452J**
				Jar of 500	**30-652J**
				Bag of 500	**30-652**
				Barrel of 25,000	**30-852**
454®	Blue	600V* 14 to 6 AWG Min. 3 #12 – Max. 1 #6 w/2 #8	600V* 2,5mm² to 16,0mm² Min. 3-4,0mm² – Max. 2-16,0mm² w/1-4,0mm²	Box of 25	**30-454**
				Carton of 250	**30-554**
				Bag of 100	**30-654**

*1,000V maximum in fixtures and signs

Greenie® Grounding Wire Connectors

- Designed for making ground connections and bonding non-metallic sheathed cable
- Contoured wings for superior leverage
- Live-action, square-wire spring provides quality grounding connections
- Tough, UL 94V-2 flame-retardant shell rated at 105˚C (221˚F)
- UL 486C & UL 467 Listed



LISTED Wire Connector 774A Cu/Cu Only

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
92®	Green	14 to 10 AWG Min. 2 #14 – Max. 4 #12	2,5mm² to 6,0mm² Min. 2-2,5mm² Max. 2-4,0mm² w/1-2,5mm²	Box of 100	**30-092**
				Jar of 150	**30-092J**
				Bag of 500	**30-292**
				Carton of 1,000	**30-192**
				Barrel of 25,000	**30-992**

Greenie® Grounding Connector fully meets the intent of the NEC and specifically aids in compliance with the following:

ARTICLE 250: GROUNDING
250-146 Connecting Receptacle Grounding Terminal to Box

250-148 Continuity and Attachment of Equipment Grounding Conductors to Boxes
(B) Grounding continuity
(D) Nonmetallic boxes

See Page A-14 for more IDEAL Grounding Products.

Twister® Wire Connectors - Preferred Choice for Residential Jobs

- Swept wings for more comfort, extra leverage, and less effort on large combinations
- Expanding, live-action spring supports a wide range of common wiring configurations
- Polypropylene shell expands for smooth, progressive tightening providing dependable connections
- Hexagonal shape accommodates standard nut driver for easy installation
- Quick take-up on even the toughest combinations, including solid-to-stranded
- UL Listed to 105˚C (221˚F)



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
341®	Tan	600V* 22 to 8 AWG Min. 3 #22 – Max. 3 #10	600V* ,34mm₂ to 10,0mm² Min. 3-,34mm² – Max. 3-6,0mm²	Box of 100	**30-341**
				Jar of 750	**30-341J**
				Bag of 500	**30-641**
				Jar of 500	**30-641J**
				Barrel of 25,000	**30-841**
342®	Gray	600V* 18 to 6 AWG Min. 3 #14 – Max. 2 #8 w/2 #12	600V* ,75mm² to 10,0mm² Min. 3-2,5mm² – Max. 2-10,0mm² w/2-4,0mm²	Box of 50	**30-342**
				Bag of 250	**30-642**
				Barrel of 15,000	**30-842**

*1,000V maximum in fixtures and signs

Twister® Pro Wire Connectors

- Widest Wire Range of any multi-colored wire connectors in the industry
- Models 343, 345, 347 & 348 flexible skirt provides improved protection and adapts to tightly fit electrical boxes with limited space
- Swept wing design with SureGrip™ overmold offers greater comfort, leverage, and torque for faster connections
- Expanding square-wire spring and polypropylene shell deliver a secure connection every time
- Tough, UL 94V-2 flame-retardant shell



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
343 ProFlex™ Mini	Orange/Blue	600V* 22 to 12 AWG Min. 2 #22 – Max. 4 #12 Solid **WIDEST RANGE in the Industry of any other Orange/Blue connector.**	600V* ,34mm² to 4,0mm² Min. 2 - ,34mm² Max. 4 - 4,0mm²	Box of 100	**30-343**
				Jar of 500	**30-643J**
				Barrel of 35,000	**30-843**
345 ProFlex™ Plus	Tan/Yellow	600V* 22 to 8 AWG Min. 3 #22 – Max. 3 #10 **WIDEST RANGE in the Industry of any Tan/Yellow connector.**	600V* 34mm² to 10,0mm² Min. 3-,34mm² Max. 3-6,0mm²	Box of 100	**30-345**
				Jar of 500	**30-1345J**
				Barrel of 25,000	**30-845**
347 ProFlex™	Red/Yellow	1000V 22 to 8 AWG Min. 2 #18 - Max. 4 #10 **WIDEST RANGE in the industry!**	1000V ,34mm² to 10,0mm² Min. 2 ,75mm² Max. 4,0 - 6,0mm²	Box of 50	**30-1047**
				Bag of 250	**30-347**
				Jar of 400	**30-1347JR**
				Barrel of 15,000	**30-747**
344®	Red/Tan	600V* 22 to 8 AWG Min. 2 #18 – Max. 4 #10 **WIDEST RANGE in the Industry!**	600V* ,34mm² to 10,0mm² Min. 2 - ,75mm² Max. 4,0 - 6,0mm²	Box of 50	**30-144**
				Jar of 250	**30-244J**
				Jar of 500	**30-644J**
				Barrel of 20,000	**30-944**
348 ProFlex™ Max	Blue/Gray	1000V 14 to 6 AWG Min. 3 #12 - Max. 1 #6 w/2 #8	1000V 2,5mm² to 16,0mm² Min. 3-4,0mm² Max. 2-16,0mm² w/1-4,0mm²	Box of 25	**30-348**
				Jar of 150	**30-1348J**

*1,000V maximum in fixtures and signs

WeatherProof™ Wire Connectors



- 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)

c UL us Cu/Cu Only CE
LISTED
Sealed Wire Connector System 5N35

UnderGround™ Wire Connectors



- 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)
- Tested to meet UL 486D section 9.5, Direct Burial sequence.

c UL us Cu/Cu Only CE
LISTED
Sealed Wire Connector System 5N35

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* ,34mm² to 4,0mm² Min. 2-,5mm² – Max. 2-2,5mm²	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* ,75mm² to 10,0mm² Min. 2-1,5mm² Sol. - Max. 2-6,0mm²	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* 1,5mm² to 16,0mm² Min. 3-2,5mm² Sol. – Max. 5-6,0mm²	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* ,5mm² to 6,0mm² Min. 1-,5mm² w/1,75mm² Max. 1-6,0mm² w/2-4,0mm²	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* ,75mm² to 10,0mm² Min. 2-,75mm² Sol. - Max. 3-6,0mm²	Box of 50	**30-1264**
66™	Gray/Dk. Blue	600V* 14 to 6 AWG Min. 3 #12 – Max. 2 #6 w/1 #10	600V* 2,5mm² to 16,0mm² Min. 3-4,0mm² Sol. – Max. 2-16,0mm² w/1-6,0mm²	Box of 50	**30-1066**

*1,000V maximum in 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

- 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
LISTED

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 #10 Al w/1 or 2 #12 Cu 2 #10 Al solid w/1 #12 Cu 1 #10 Al w/1 or 2 #14 Cu 2 #10 Al solid w/1 #14 Cu 2 #12 Al solid w/1 #10 Cu 1 #12 Al solid w/1 or 2 #10 Cu 1 #12 Al stranded w/1 or 2 #10 Cu solid 1 #12 Al w/1 or 2 #12 Cu 2 #12 Al solid w/1 #12 Cu	1 #12 Al w/1 or 2 #14 Cu 2 #12 Al solid w/1 #14 Cu 1 #10 Al w/1 or 2 #18 Cu 2 #10 Al solid w/1 #18 Cu 1 #12 Al w/1 or 2 #16 Cu 2 #12 Al solid w/1 #16 Cu 1 #10 Al w/1 or 2 #16 Cu 2 #10 Al solid w/1 #16 Cu 1 #12 Al w/1 or 2 #18 Cu 2 #12 Al solid w/1 #18 Cu	Card of 2	**30-065**
				Card of 10	**30-765**
				Card of 25	**30-165**
				Box of 100	**30-265**
				Carton of 1,000	**30-365**

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

AL-CU (intermixed - dry locations). For use with Aluminum-to-Copper, Copper Clad Aluminum (CCA)-to-Copper, or CCA-to-CCA wire combinations. One time use only, do not reuse connector.

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

Twister® CCA+ and CCA Wire Connectors

- Only UL-listed twist-on connector on the market specifically designed for copper-clad aluminum wire splicing
- Proprietary copper-plated spring designed to help maintain contact between only two metals (copper and aluminum)
- Durable copolymer shell is UL-rated to 125˚C for 20% higher heat tolerance than standard wire connectors, delivering consistent and reliable CCA connections



- Signature blue-colored housing makes it easy for inspectors to spot and approve code-friendly installations
- Supports 18 to 6 AWG copper or 12 to 10 AWG copper-clad aluminum wire with ease — handling up to six 12 AWG wires or four 10 AWG wires
- Engineered for twisting action with comfort-grip wings, reducing your hand strain
- Installs smoothly with an expanding spring that delivers superior hold strength, secure connections, and quick take-up

LISTED
Wire Connector
E5238

Model	Color	Wire Combination Range	Quantity	Part No.
342CC CCA+	Blue	18 to 6 AWG Copper 12 to 10 AWG Solid Copper-Clad Aluminum	Bag of 250	**30-42CCB**
			Barrel of 15,000	**30-42CCSK**
007 CCA	Blue	22 to 10 AWG Copper 12 to 10 AWG Solid Copper-Clad Aluminum	Bag of 500	**30-07CCB**
			Barrel of 25,000	**30-07CCSK**

UL486C, UL94 V-2, Voltage: 600V (1000 signs and fixtures), CU-CU, CU-CC, CC-CC; Not for bare aluminum. One time use only, do not reuse connector.

B-TWIST™ Wire Connectors

- All-in-one connector with wide red/yellow range from 2 #18 to 2 #8
- Rounded dial-top with vertical ribs provides fast fingertip starts
- Connection comes to torque quickly to get the job done efficiently
- Long swept-wings improve comfort and torque
- Wide, expanding spring makes for easy starts on even the largest combinations
- Tough, UL 94V-2 flame-retardant shell rated at 105˚C (221˚F)

WIDER RANGE THAN COMPETITOR'S TAN/RED



UL LISTED Wire Connector 774A | Cu/Cu Only | CSA LR9706

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
BT2™	Red	600V* 18 to 8 AWG Min. 2 #18 – Max. 2 #8	600V* ,75mm² to 10mm² Min. 2-,75mm² – Max. 1-8,0mm² w/2-6,0mm²	Box of 100	**BT2-1**
				Jar of 500	**BT2-500JR**
				Barrel of 25,000	**BT2-SK**

*1,000V maximum in fixtures and signs

CONSTRUCTION PRODUCTS BUCHANAN

WireTwist® Wire Connectors



- Positive grip shell design for fast, easy installation
- Fixed, square-wire spring creates secure connections
- Deep skirt protects against flash-over
- Tough, UL 94V-2 flame-retardant shell (105˚C/221˚F)

UL LISTED Wire Connector 774A | Cu/Cu Only | CSA LR9706

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
WT1	Gray	300V 22 to 14 AWG Min. 3 #22 – Max. 2 #16	300V ,34mm² to 2,5mm² Min. 3-,34mm² – Max. 2-1,5mm²	Box of 100	**WT1-1**
				Bag of 500	**WT1-B**
WT2	Blue	300V 22 to 14 AWG Min. 3 #20 – Max. 3 #16	300V ,34mm² to 2,5mm² Min. 3-,50mm² – Max. 3-1,5mm²	Box of 100	**WT2-1**
				Bag of 500	**WT2-B**
				Barrel of 50,000	**WT2-SK**
WT3	Orange	600V* 22 to 14 AWG Min. 2 #18 – Max. 2 #14	600V* ,34mm² to 2,5mm² Min. 2-,75mm² – Max. 2-2,5mm²	Box of 100	**WT3-1**
				Bag of 500	**WT3-B**
WT4	Yellow	600V* 22 to 10 AWG Min. 3 #20 – Max. 2 #12	600V* ,75mm² to 6,0mm² Min. 2-,75mm² – Max. 2-4,0mm²	Box of 100	**WT4-1**
WT6	Red	600V* 20 to 8 AWG Min. 2 #14 – Max. 4 #12	600V* ,50mm² to 10,0mm² Min. 2-2,5mm² – Max. 4-4,0mm²	Box of 100	**WT6-1**
				Bag of 250	**WT6-B**

*1,000V maximum in fixtures and signs

CONSTRUCTION PRODUCTS BUCHANAN

WingTwist® Wire Connectors

- Contoured wing design provides enhanced torque
- Expanding, square-wire spring creates secure connections
- Wide, deep skirt opening accommodates a variety of wire combinations
- Tough, UL 94V-2 flame retardant shell (105˚C/221˚F)



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
WT51	Yellow	600V* 18 to 10 AWG Min. 2 #18 – Max. 3 #12	600V* ,75mm² to 6,0mm² Min. 2-,75mm² – Max. 3-4,0mm²	Box of 100	**WT51-1**
				Bag of 500	**WT51-B**
				Jar of 500	**WT51-500JR**
				Barrel of 25,000	**WT51-SK**
WT41	Tan	600V* 22 to 10 AWG Min. 2 #20 – Max. 3 #10	600V* ,34mm² to 6,0mm² Min. 2-0,5mm² – Max. 3-6,0mm²	Box of 100	**WT41-1**
				Bag of 500	**WT41-B**
				Jar of 500	**WT41-500JR**
				Barrel of 25,000	**WT41-SK**
WT52	Red	600V* 18 to 10 AWG Min. 2 #14 – Max. 5 #12	600V* ,75mm² to 6,0mm² Min. 2-2,5mm² – Max. 5-4,0mm²	Box of 100	**WT52-1**
				Bag of 500	**WT52-B**
				Jar of 500	**WT52-500JR**
				Barrel of 25,000	**WT52-SK**
WT54	Blue	600V* 14 to 6 AWG Min. 3 #12 – Max. 2 #6	600V* 2,5mm² to 16,0mm² Min. 3-4,0mm² – Max. 2-16,0mm²	Box of 50	**WT54-1**
				Bag of 100	**WT54-B**
WT-92	Green	14 to 10 AWG Min. 2 #14 – Max. 4 #10	2,5mm₂ to 6,0mm₂ Min. 2-2,5mm² – Max. 4,0 - 6,0mm²	Box of 50	**WT92-1**
				Bag of 250	**WT92-B**

*1,000V maximum in fixtures and signs

UL Wire Connector 774A LISTED Cu/Cu Only SP® LR9706

Combination WingTwist®/WireTwist® Wire Connectors

- Kit Contains:
  - WT1 WireTwist®, Gray, (Qty. 100)
  - WT2 WireTwist®, Blue, (Qty. 100)
  - WT3 WireTwist®, Orange, (Qty. 100)
  - WT4 WireTwist®, Yellow, (Qty. 100)
  - WT6 WireTwist®, Red, (Qty. 25)
  - WT41 WingTwist®, Tan, (Qty. 60)
  - WT51 WingTwist®, Yellow, (Qty. 100)
  - WT52 WingTwist®, Red, (Qty. 25)
  - WT54 WingTwist®, Blue, (Qty. 10)
  - Reusable Case



Description	Quantity	Part No.
WireTwist®/WingTwist® Wire Connector Combination Kit	620 pcs.	**30-2091**

Spin-Twist® Wire Connector Socket

- Speeds installation of IDEAL® and Buchanan Wire Connectors
- For use with electric corded or cordless drill drivers
- 1/4 in. chuck fits most drills or drive sockets



Description	Part No.
For Connector Models: Wire-Nut® (Models 74B® & 76B® only), Wing-Nut®, Twister®, Twister® Pro, Twister® ProFLEX™, Twister® ProFLEX™ Mini, B-CAP®, WireTwist® (WT4 & WT6 models) & WingTwist® Wire Connectors	**30-902**

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

SEE WWW.IDEALELECTRICALINC.COM FOR WARRANTY INFORMATION.

In-Sure® Lever Connectors

- Optimized spring design for easy open and strong bite for a secure connection
- Perfect solution for joining solid and stranded wires.
- Compact design takes up minimal room in junction boxes and enclosures
- Modern alternative to traditional connectors
- Better grip, single operation for less stress on hands for easy use
- Clear housing allows for visual inspection of work

12 AWG



10 AWG



Model	Ports	Wire Combination	Quantity	Part No.
L22	2	600V* Solid Copper: 24 - 12 AWG (0,25-4mm2) Stranded Copper: 24 - 12 AWG	Bag of 50	**30-05L22**
			Box of 150	**30-10L22**
			Jar of 500	**30-50L22J**
			Carton of 4,000	**30-16L22**
L23	3		Bag of 50	**30-05L23**
			Box of 100	**30-10L23**
			Jar of 350	**30-35L23J**
			Carton of 2,500	**30-16L23**
L25	5		Bag of 25	**30-05L25**
			Box of 75	**30-10L25**
			Jar of 200	**30-20L25J**
			Carton of 1,500	**30-16L25**
L32	2	600V* Solid Copper: 22-10 AWG (0,5-6mm2) Solid-Copper Clad Aluminum: 12-10 AWG Stranded Copper: 22-10 AWG	Box of 100	**30-10L32**
			Jar of 350	**30-35L32J**
			Carton of 1,000	**30-16L32**
L33	3		Box of 75	**30-10L33**
			Jar of 225	**30-25L33J**
			Carton of 1,000	**30-16L33**
L35	3		Box of 50	**30-10L35**
			Jar of 125	**30-15L35J**
			Carton of 500	**30-16L35**

*1,000V in signs and fixtures. Temperature rating 105˚C max. (221˚F). Do not use on aluminum.
Models L22, L23 and L25: Listed for use with COPPER-TO-COPPER ONLY.
Models L32, L33 and L35: Listed for use with CU-CU and CU-CC.

c UL us LISTED Wire Connector E5238 CE UK CA RoHS COMPLIANT

In-Sure® MC-PCS Wire Connectors

- Use to splice the control and signal pairs in MC-PCS cable
- Fits 18 - 12 AWG solid and stranded copper wires
- Outer sheath provides required separation between power and control conductors inside electrical box or enclosure per 2020 NEC article 725.136
- Modern alternative to traditional connectors
- Better grip, single operation for less stress on hands for easy use
- Clear housing allows for visual inspection of work



Model	Wire Combination	Quantity	Part No.
56	600V* Solid: 18-12 AWG Stranded: 16-12 AWG (≤19 Strand) 18 AWG (7 Strand)	Jar of 100	**30-1056J**

In-Sure® Push-In Wire Connectors

- No-twist, push-in design reduces repetitive motion fatigue
- Low insertion force for fast and easy connections
- Compact size makes installation easy
- Clear shell gives visual verification of connection
- Tough, UL 94V-2 flame-retardant shell rated at 105˚C (221˚F)
- Models 32, 33, 34 and 39 Listed for UL 4 67; Models 32, 33, 34 are CE listed; Models 87, 88, 90 are CE Listed



Model	Color	Ports	Wire Range	Quantity	Part No.
32	Red	2	Solid Copper: 12 – 20 AWG Stranded Copper: 12 – 16 AWG (≤ 19 Stranded) 18 AWG (7 Stranded) Stranded Copper (Tin Bonded): 14 – 18 AWG (≤ 19 Stranded) Copper-Clad Aluminum: 12 AWG DO NOT use with 16 AWG (26 Strands)	Box of 100	**30-1032**
				Jar of 300	**30-1032J**
				Carton of 5,000	**30-1632**
33	Orange	3		Box of 100	**30-1033**
				Jar of 250	**30-1033J**
				Carton of 5,000	**30-1633**
34	Yellow	4		Box of 100	**30-1034**
				Jar of 200	**30-1034J**
				Carton of 5,000	**30-1634**
87	Gray	5	Solid Copper: 12 – 20 AWG Stranded Copper: 12 – 16 AWG (≤ 19 Stranded) 18 AWG (≤ 7 Stranded) Stranded Copper (Tin Bonded): 14 – 18 AWG (≤ 19 Stranded) DO NOT use with 16 AWG (26 Strands)	Jar of 200	**30-1087J**
				Carton of 3,000	**30-1687**
88	Blue	6 Stacked		Jar of 200	**30-1088J**
				Carton of 2,500	**30-1688**
90	Black	8		Jar of 150	**30-090J**
				Carton of 2,000	**30-1690**
39	Blue	3	Solid Copper: 10 – 14 AWG (6.0-2.5mm2 Rigid) Solid Copper-Clad Aluminum*: 10 – 12 AWG Stranded Copper: 10 – 12 AWG (≤ 19 Stranded) (Tin Bonded): 10 – 14 AWG (≤ 19 Stranded)	Box of 50	**30-1039**
				Jar of 150	**30-1039J**
				Carton of 2,500	**30-1639**

Cu to Cu ONLY. Do not use on aluminum. Temperature rating: 105˚C (221˚F) maximum; 600V maximum building wire, 1000V maximum signs or lighting fixtures Model 39 only: *Listed for use with CU or CC. Do not use on Aluminum. UL Listed for US and Canada. EU and UKCA certified. RoHS compliant.

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



UL Wire Connector 774A LISTED Cu/Cu Only

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.)	Box of 100	**30-1042**
				Jar of 300	**30-1042J**
				Carton of 2,500	**30-1642**

In-Sure® 12 AWG Lever Connectors Kit 90-Piece



- Easily carry lever connectors in all sizes in a durable and organized case
- Levers are positioned on the opposite side of the wire port to prevent accidental opening
- Supports 12 AWG to 24 AWG solid and stranded wires
- Maximum rated voltage is 600V, and the maximum temperature is 105˚C
- Two-stage locking feature and continuity check port with a strip length guide
- Unique housing design provides improved grip
- Conveniently sized to easily fit into junction boxes
- Solid wires can be inserted without opening the lever
- 1 Hard Case, 40x 2-Port, 35x 3-Port, 15x 5-Port In-Sure® 12 AWG Lever Wire Connectors

Description	Part No.
In-Sure® 12 AWG Lever Connectors Kit 90-Piece	**30-1012**

In-Sure® 10 AWG Lever Connectors Kit 22-Piece



- Easily carry lever connectors in all sizes in a durable and organized case
- Easily supports 10 AWG to 22 AWG solid and stranded wires, the widest wire range in the industry
- Maximum rated voltage is 600V, and the maximum temperature is 105˚C
- The first lever connector to be listed for use with copper and copper-clad aluminum wires
- Built-in locking feature and continuity check port with a strip length guide
- Patented easy-to-open lever minimizes strain on your hands
- Conveniently sized to easily fit into junction boxes
- 1 Hard Case, 10x 2-Port, 8x 3-Port, and 4x 5-Port In-Sure® 10 AWG Lever Wire Connectors

Description	Part No.
In-Sure® 10 AWG Lever Connectors Kit 22-Piece	**30-1010**

In-Sure® 10 AWG Lever and 12 AWG Push-In Connectors Kit 93-Piece



- Easily carry push-in and lever-style connectors in a variety of port sizes inside a durable and organized case
- Ergonomic design for easy grip and comfortable installation
- Low insertion force for fast and easy connections
- Conveniently sized to easily fit into junction boxes
- 1 Hard Case, 20x 2-Port, 25x 3-Port, 20x 4-Port In-Sure® Push-In Wire Connectors, and 12x 2-Port, 12x 3-Port, and 4x 5-Port In-Sure® 10 AWG Lever Wire Connectors

Description	Part No.
In-Sure® 10 AWG Lever and 12 AWG Push-in Connectors Kit 93-Piece	**30-1013**

In-Sure® 12 AWG Push-In Connectors Kit 128-Piece



- Easily carry push-in connectors in all sizes in a durable and organized case
- Ergonomic design for easy grip and comfortable installation
- Low insertion force for fast and easy connections
- UL 94V-2 flame-retardant shell rated at 221˚F (105˚C)
- Rated to 600V
- Compact in size and compatible with lighting installations, prefabricated wiring systems, and branch circuit wiring
- Color-coded housing for easy identification of port sizes
- 1 Hard Case, 2 SpliceLine®, 20x 2-Port, 50x 3-Port, 40x 4-Port, 2x 5-Port, 2x, 6-Port, 2x 8-Port, and 10x 3-Port 10 AWG In-Sure® Push-In Wire Connectors

Description	Part No.
In-Sure® 12 AWG Push-in Connectors Kit 128-Piece	**30-1011**

In-Sure® Lever and Push-In Assorted Connectors Kit 305-Piece



- Easily carry push-in and lever-style connectors in a variety of port sizes inside a durable and organized case
- Ergonomic design for easy grip and comfortable installation
- Low insertion force for fast and easy connections
- Conveniently sized to easily fit into junction boxes
- Package includes: Hard Case, Wire Connectors: 60x 2-Port, 80x 3-Port, 60x 4-Port, 10x 5-Port, 10x 6-Port, 10x 8-Port In-Sure® Push-In; 25x 2-Port, 20x 3-Port, and 10x 5-Port In-Sure® Lever; 20x Spliceline® In-Line

Description	Part No.
In-Sure® Lever and Push-in Assorted Connectors Kit 305-Piece	**30-1014**

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



Model 103



Model 182®



Model 102®

LISTED
Luminaire Disconnect
3MHE

Selection Chart

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

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.)		Card of 25	**30-372**
					Jar of 75	**30-382J**
					Jar of 150	**30-352J**
					Box of 1,000	**30-102**
102X 2-wire					Box of 1,000	**30-102X**
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**
103X 3-Wire					Box of 1,000	**30-103X**
182® 2-Wire	Orange	3 Amps/600 Volts Max.	Solid: #18		Box of 100	**30-082**
					Box of 1,000	**30-682L***
					Carton of 2,500	**30-682M**
					Carton of 2,500	**30-682F**

1,000V maximum fixtures and signs. *30-682L comes with 6 in. leads installed.

Basic Lighting Maintenance Kit

- Kit Contains:
  - Wire-Nut® Wire Connectors (25 Model 72B® Blue, 25 Model 73B® Orange)
  - In-Sure® Push-In Wire Connectors (25 Model 33 Orange)
  - SpliceLine® In-Line Wire Connectors (25 Model 42 Orange)
  - PowerPlug® Luminaire Disconnects (30 Model 102® 2-Port, 15 Model 103 3-Port, 50 Model 182® 2-Port)



Description	Part No.
Basic Lighting Maintenance Kit	**30-2255**

Solid Wire Grounding Tails



30-3390

Description	Quantity	Part No.
14 AWG solid, 8 in. tail w/loop & ground screw and stripped end	Bulk pack of 1000	**30-3390**
12 AWG solid, 6.5 in. tail w/loop & ground screw and stripped end	Bag of 50	**30-3404**
	Bulk pack of 1,000	**30-3402**
12 AWG solid, 8 in. tail w/loop & ground screw and stripped end	Bag of 50	**30-3392**
	Plastic box of 100	**30-3399**
	Bulk pack of 1,000	**30-3496**
12 AWG solid, 10 in. tail w/loop & ground screw and stripped end	Bag of 50	**30-3410**
	Bulk pack of 500	**30-3394**
12 AWG solid, 12 in. tail w/loop & ground screw and stripped end	Bulk pack of 1,000	**30-3396**

Bulk packs are bundled in quantities of 50.

LISTED

Stranded Wire Grounding Tails



30-3183

Description	Quantity	Part No.
14 AWG stranded, 8 in. tail w/#10 fork & #10 ring and ground screw	Bag of 25	**30-3183**
12 AWG stranded, 8 in. tail w/#10 fork & #10 ring and ground screw	Bag of 25	**30-3184**
	Plastic box of 50	**30-3385**
	Bulk pack of 1,000	**30-3284**
12 AWG stranded, 8 in. tail w/#10 fork & #10 ring (no ground screw)	Bulk pack of 1,000	**30-3285**
12 AWG stranded, 8 in. tail w/#10 fork & stripped end	Bag of 25	**30-3480**
	Bulk pack of 1,000	**30-3580**
12 AWG stranded, 8 in. tail w/#10 ring & ground screw and stripped end	Bulk Pack of 1,000	**30-3201**
12 AWG stranded, 10 in. tail w/#10 fork & #10 ring and ground screw	Bulk pack of 500	**30-3311**
12 AWG stranded, 12 in. tail w/#10 fork & #10 ring and ground screw	Bulk pack of 1,000	**30-3413**

Bulk packs are bundled in quantities of 50.

LISTED

Combo Grounding Tails



30-3289

Description	Quantity	Part No.
2-wire combo: 12 AWG solid 8 in. tail, one stripped end, one end w/ground screw; joined to 12 AWG stranded 8 in. tail at a ring terminal, w/fork terminal on second end	Box of 500	**30-3286**
2-wire combo: 12 AWG stranded 8 in. tail w/#10 ring & ground screw, one stripped-end tail and one #10 fork tail	Bag of 25	**30-3287**
2-wire combo: 12 AWG stranded 8 in. tail w/#10 ring and ground screw and two #10 fork tails	Bag of 25	**30-3288**
3-wire combo: 12 AWG stranded, 8 in. tail w/#10 ring & ground screw, one stripped-end tail and two #10 fork tails	Bag of 25	**30-3289**

LISTED

Non-Grounding Stranded Wire Pigtails



- 8 in. 12 AWG Stranded Pigtails – White or Black, #10 Fork Stripped end

Description	Quantity	Part No.
12 AWG stranded, 8 in. tail w/#10 fork and stripped end, white	Bag of 25	**30-3470**
	Bulk pack of 1,000	**30-3570**
12 AWG stranded, 8 in. tail w/#10 fork and stripped end, black	Bag of 25	**30-3471**
	Bulk pack of 1,000	**30-3571**

Bulk packs are bundled in quantities of 50.

Greenie® Grounding Wire Connectors



- Designed for making ground connections and bonding non-metallic sheathed cable
- Contoured wings for superior leverage
- Live-action, square-wire spring provides quality grounding connections
- Tough, UL 94V-2 flame-retardant shell rated at
- 105˚C (221˚F)

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
92®	Green	14 to 10 AWG Min. 2 #14 – Max. 4 #12	2,5mm² to 6,0mm² Min. 2-2,5mm² Max. 2-4,0mm² w/1-2,5mm²	Box of 100	**30-092**
				Jar of 150	**30-092J**
				Bag of 500	**30-292**

WingTwist® Wire Connectors



- Contoured wing design provides enhanced torque
- Expanding, square-wire spring creates secure connections
- Wide, deep skirt opening accommodates a variety of wire combinations
- Tough, UL 94V-2 flame retardant shell (105˚C/221˚F)

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
WT-92	Green	14 to 10 AWG Min. 2 #14 – Max. 4 #10	2,5mm² to 6,0mm² Min. 2-2,5mm² – Max. 4,0 - 6,0mm²	Box of 50	**WT92-1**
				Bag of 250	**WT92-B**

Grounding Screws



- 10-32 x 3/8 in. Zinc-plated grounding screws offer a thread-forming, hole finding feature plus combination hex, Phillips, slotted and Robertson head
- Ensures compliance with Article 250 of NEC.

Description	Quantity	Part No.
Thread-forming, hole-finding screw. Combination hex, Phillips, slotted and Robertson head.	Jar of 100	**30-3594**
	Bag of 50	**30-3194**

Set Screw Holder



- Convenient tool for holding and tightening set-screw connectors
- Accepts IDEAL Models 11 and 22 set-screw connectors

Description	Part No.
For Connector Models 11 & 22	**K-2422**

Set Screw Wire Connectors



- Eliminates need for re-stripping wire each time connection is disturbed
- Solid brass sleeves
- Set-screw easily and securely applies maximum compression to conductors to ensure a vibration-resistant splice
- Permits fast visual inspection of splice
- Tough, flame-retardant shell rated at 150˚C (302˚F)
- UL Listed to 486C and CSA Certified to C22.2 #188; comply with Federal Specification W-S-610E

Model	Wire Combination Range	Quantity*	Part No.
10	300V 22 to 10 AWG Min. 1 #20 w/1 #22 – Max. 2 #14 w/1 #16	Box of 100	**30-210**
		Carton of 1,000	**30-310**
11	600V 22 to 10 AWG Min. 1 #14 w/1 #20 – Max. 3 #14 w/2 #18	Box of 100	**30-211***
		Carton of 1,000	**30-311***
22	600V 20 to 10 AWG Min. 1 #16 w/3 #18 – Max. 2 #10 w/1 #12	Box of 100	**30-222***
		Carton of 1,000	**30-322***

*Package includes (1) K-2422 Set Screw Holder.

Copper Splice Cap Crimp Connectors

- Designed for making fast, permanent, pressure-type connections
- Solid copper sleeves require less crimping pressure and resist corrosion in harsh environments
- UL 486C Listed and CSA C22.2 #188 Certified; comply with Federal Specification W-S-61D

Description	Wire Combination Range	Quantity	Part No.
Copper Crimp Connector 	600V* 18 to 10 AWG Min. 2 #18, - Max. 4 #12	Bag of 100	**2006S**
		Bag of 1,000	**2006SB**
	600V* 14 to 4 AWG Min. 2 #10 - Max. 2 #6	Bag of 50	**2011S**
		Bag of 500	**2011SB**

*1,000V maximum in fixtures and signs.

IDEAL hand crimp tools UL Listed for models 2006S and 2011S: C24, 30-428, 30-429 and 30-430.

LISTED Wire Connector Cu/Cu Only

Four-Way Crimp Tool



- Design ensures even compression and reliable connections
- Spring-loaded, cam-actuated plungers
- Fingertip adjustment for two connector sizes

For use with:	Part No.
Buchanan 2006S and 2011S Crimp Connectors	**C24**

Splice Cap Insulators



- Convenient, safe and fast installation
- Snap-on nylon construction
- Rated at 105˚C (221˚F) – 600V (1,000V maximum in fixtures and signs)

Description	Quantity	Part No.
For use on Connector Model 2006S	Box of 100	**2007**
	Bag of 1,000	**2007B**
For use on Connector Model 2011S	Box of 50	**2014**
	Bag of 500	**2014B**

LISTED Wire Connector Cu/Cu Only

Pre-Insulated Crimp Connectors

- Compact design fits easily into tight locations
- Flared skirt protects against turned-back strands
- Beveled opening eases wire entry
- Tough UL 94V-2 flame-retardant shell rated at 105˚C (221˚F)

Model	Wire Combination Range	Quantity	Part No.
48 	600V* Min. 2 #22 Max. 1 #14 w/2 #18	Carton of 1,000	**30-245**
		Barrel of 10,000	**30-645**
49	600V* Min. 1 #22 w/1 #18 Max. 1 #12 w/1 #16	Carton of 1,000	**30-249**
		Barrel of 10,000	**30-649**
NC-8	600V* Min. 4 #16 Max. 1 #12 w/4 #14	Carton of 1,000	**30-148**
NC-2212**	600V* Min. 2 #22 Max. 5 #18	Carton of 1,000	**30-146**
		Barrel of 10,000	**30-646**

*1,000V maximum in fixtures and signs.
Note: Connectors are transparent.
**Stranded wires only.

LISTED Wire Connector Cu/Cu Only

High-Temp Pre-Insulated Crimp Connectors

All of the same features as the Pre-Insulated Crimp Connectors, plus:

- Black, nylon shell designed to withstand extreme heat build-up found in high-wattage light fixtures and signs.
- UL Listed to 150˚C (302˚F)

LISTED Wire Connector Cu/Cu Only

Model	Wire Combination Range	Quantity	Part No.
49HT 	600V* Min. 1 #22 w/1 #18	Barrel of 10,000	**30-849**

*1000V maximum in fixtures and signs.

Steel Crimp Connectors

- Designed for making fast, permanent, pressure-type connections
- Long-zinc-plated steel sleeves maximize contact area with conductors
- UL Listed to 486C and CSA Certified
- to C22.2 #188; comply with Federal Specification W-S-610E
- Temperature rating: 105˚C (221˚F)

LISTED Wire Connector Cu/Cu Only

Model	Wire Combination Range	Quantity	Part No.
410 	600V 18 – 10 AWG Min. 1 #14 & 1 #18 – Max. 2 #10 & 2 #14	Bag of 100	**30-410**
		Carton of 1,000	**30-510**
411 	600V 18 – 8 AWG Min. 3 #12 – Max. 4 #10	Box of 50	**30-411**
		Carton of 1,000	**30-511**
412 	600V 18 – 4 AWG Min. 1 #14 & 1 #16 – Max. 2 #8 & 1 #6	Box of 50	**30-412**
		Carton of 1,000	**30-512**

IDEAL hand crimp tools UL listed for Models 410, 411, 412: 30-428, 30-429, 30-430.

STREET LIGHT KITS

SLK® Disconnect Fuse Kits



- Breakaway fuseholder for use in:
  – Roadway & street lighting
  – Parking lot & area lighting
- Bright orange color for ease of visibility
- Large selection of configurations
- Set screw or crimp terminations available

The IDEAL® SLK® Disconnect Fuse Kit is a water-resistant breakaway safety device that de-energizes roadway lights, streetlights, parking lot lights, and other freestanding electrical fixtures in the event of a knockdown, or when the fixtures need maintenance. This helps protect first responders, bystanders, and service personnel from potentially life-threatening electrical shock hazards.

The SLK® is the first Disconnect Fuse Kit listed to UL's ECIS category for special purpose connectors. This category contains a set of rigorous tests from a host of UL standards. This means that the SLK® will stand up to the wet conditions often seen in and around pole bases, junction boxes, and hand holes, not intended for continuous submersion.

In addition, the bright orange color of the SLK® makes the product easy to locate in dark junction boxes, in hand holes, or in a nighttime knockdown situation when the connector is often buried amongst dirt, mud, and debris.

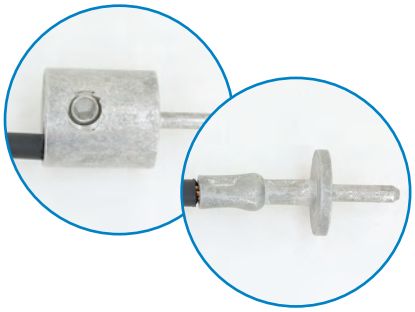
- Accepts 13/32 in. x 1-1/2 in. midget-style fuse (Note: Fuse not included)
- Wire Range: Set Screw 2-14 AWG (Cu & Al rated)
  Crimp 2-12 AWG
- Ratings: 30A, 600V, 105˚C
- Maximum available short circuit current of 10,000

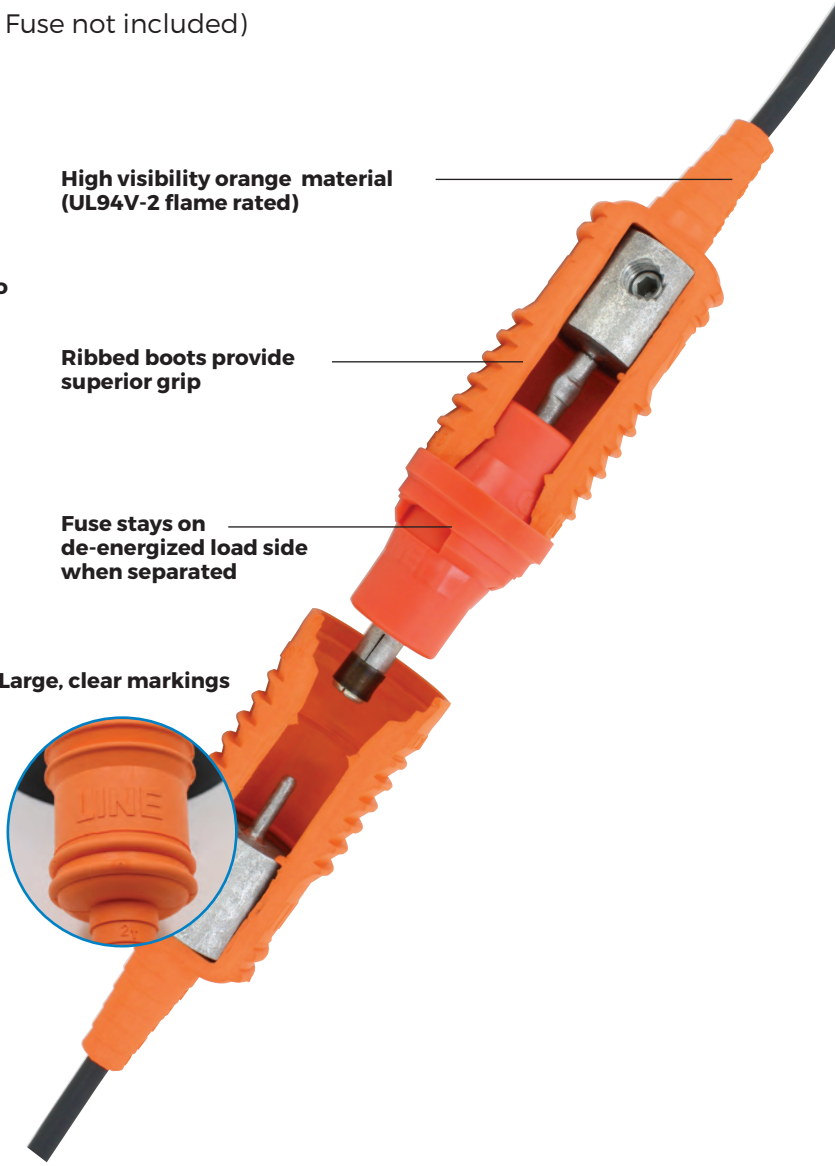
Neutral configurations come with white fuseholder and dummy fuse

Paired (hot/neutral) configurations are keyed to prevent reverse polarities



Crimp or set screw terminations





High visibility orange material (UL94V-2 flame rated)

Ribbed boots provide superior grip

Fuse stays on de-energized load side when separated

Large, clear markings

SLK® Ordering Information

To Determine which Kit to Use:

1. Select the base part number, based on crimp termination (TABLE 1) or set screw termination (TABLE 3), number of wires on line/load side, and wire size.
2. If necessary, modify the base part number according to neutral, dual, paired, or tap (i.e., non-breakaway) configurations. Use TABLE 2 for crimp variations and TABLE 4 for set screw variations.
3. See right for examples.

Examples:

1. An in-line fused breakaway kit with crimp terminations, one 10 AWG wire on the line side and one 10 AWG wire on the load side is ordered as a 30-C1616.
2. An in-line non-fused (i.e., neutral) breakaway kit with set screw terminations, one 6 AWG wire on the line side and one 10 AWG wire on the load side is ordered as a 30-S1212N.
3. A Y-tap fused breakaway kit with crimp terminations, two 6 AWG wires on the line side and one 10 AWG wire on the load side is ordered as a 30-C2216.

CRIMP

Table 1: Crimp Base Part numbers

			Load											
			1 Wire						2 Wire					
			2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG
Line	1 Wire	2 AWG	30-C1212	30-C1212	30-C1216	30-C1216	30-C1216	30-C1216			30-C1222	30-C1222	30-C1226	30-C1226
		4 AWG		30-C1212	30-C1216	30-C1216	30-C1216	30-C1216			30-C1222	30-C1222	30-C1226	30-C1226
		6 AWG			30-C1616	30-C1616	30-C1616	30-C1616			30-C1622	30-C1622	30-C1626	30-C1626
		8 AWG				30-C1616	30-C1616	30-C1616				30-C1622	30-C1626	30-C1626
		10 AWG					30-C1616	30-C1616					30-C1626	30-C1626
		12 AWG						30-C1616						30-C1626
		14 AWG												
	2 Wire	2 AWG	30-C2012	30-C2012	30-C2016	30-C2016	30-C2016	30-C2016			30-C2022	30-C2022	30-C2026	30-C2026
		4 AWG		30-C2012	30-C2016	30-C2016	30-C2016	30-C2016			30-C2022	30-C2022	30-C2026	30-C2026
		6 AWG			30-C2216	30-C2216	30-C2216	30-C2216			30-C2222	30-C2222	30-C2226	30-C2226
		8 AWG				30-C2216	30-C2216	30-C2216				30-C2222	30-C2226	30-C2226
		10 AWG					30-C2616	30-C2616					30-C2626	30-C2626
		12 AWG						30-C2616						30-C2626
		14 AWG												

ONE KIT WILL COVER A LARGE WIRE RANGE

Note: Crimp connections on larger gauge wire (2 #8, 2 #6, 1 #8, 1 #6 or 1 #4) require IDEAL #88-843 Mechanical Indentor and Crimp Tool. Crimps connections for #14 - #10 AWG with 1/2 in. strip length.

Table 2: Crimp Variations (14-10 AWG with 1/2 in. strip length, use 30-425 and 30-429)

Base Part Number (Hot)	Variation (If applicable)			
	Neutral	Dual	Paired	Non-Breakaway
30-C1212	30-C1212N	30-C1212D	30-C1212P	
30-C1216	30-C1216N	30-C1216D	30-C1216P	
30-C1616	30-C1616N	30-C1616D	30-C1616P	
30-C1222	30-C1222N			
30-C1226	30-C1226N			
30-C1622	30-C1622N			
30-C1626	30-C1626N			
30-C2012	30-C2012N			30-C2012T

Base Part Number (Hot)	Variation (If applicable)			
	Neutral	Dual	Paired	Non-Breakaway
30-C2016	30-C2016N			30-C2016T
30-C2216	30-C2216N			30-C2216T
30-C2616	30-C2616N			30-C2616T
30-C2022	30-C2022N			
30-C2026	30-C2026N			
30-C2222	30-C2222N			
30-C2226	30-C2226N			
30-C2626	30-C2626N			

SET SCREW

Table 3: Set Screw Base Part numbers

			Load												
			1 Wire							2 Wire					
			2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG	2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG
Line	1 Wire	2 AWG	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222
		4 AWG		30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212		30-S1222	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222
		6 AWG			30-S1212	30-S1212	30-S1212	30-S1212	30-S1212			30-S1222	30-S1222	30-S1222	30-S1222	30-S1222
		8 AWG				30-S1212	30-S1212	30-S1212	30-S1212				30-S1222	30-S1222	30-S1222	30-S1222
		10 AWG					30-S1212	30-S1212	30-S1212					30-S1222	30-S1222	30-S1222
		12 AWG						30-S1212	30-S1212						30-S1222	30-S1222
		14 AWG							30-S1212							30-S1222
	2 Wire	2 AWG	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222
		4 AWG		30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212		30-S2222	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222
		6 AWG			30-S2212	30-S2212	30-S2212	30-S2212	30-S2212			30-S2222	30-S2222	30-S2222	30-S2222	30-S2222
		8 AWG				30-S2212	30-S2212	30-S2212	30-S2212				30-S2222	30-S2222	30-S2222	30-S2222
		10 AWG					30-S2212	30-S2212	30-S2212					30-S2222	30-S2222	30-S2222
		12 AWG						30-S2212	30-S2212						30-S2222	30-S2222
		14 AWG							30-S2212							30-S2222

ONE KIT WILL COVER A LARGE WIRE RANGE

Table 4: Set Screw Variations

Base Part Number	Variation (If applicable)			
	Neutral	Dual	Paired	Non-Breakaway
30-S1212	30-S1212N	30-S1212D	30-S1212P	
30-S1222	30-S1222N			
30-S2212	30-S2212N			30-S2212T
30-S2222	30-S2222N	30-S2222D	30-S2222P	

Note: For combination 2 wire line (2-14 AWG Set Screw) and 1 wire load (6-12 AWG Crimp), use 30-B2216.

In-Line Fused



Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	**30-S1212**
In-Line Breakaway, crimp; fused (Hot)	2-4 AWG	2-4 AWG	**30-C1212**
	2-4 AWG	6-12 AWG	**30-C1216**
	6-12 AWG	6-12 AWG	**30-C1616**

In-Line Non-Fused



Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, set screw; non-fused (Neutral)	2-12 AWG	2-14 AWG	**30-S1212N**
In-Line Breakaway, crimp; non-fused (Neutral)	2-4 AWG	2-4 AWG	**30-C1212N**
	2-4 AWG	6-12 AWG	**30-C1216N**
	6-12 AWG	6-12 AWG	**30-C1616N**

Y-Tap Fused



Description	2 Line Side	1 Load Side	Part No.
Y-Tap Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	**30-S2212**
Y-Tap Breakaway, crimp; fused (Hot)	2-4 AWG	2-4 AWG	**30-C2012**
Y-Tap Breakaway, crimp; fused (Hot)	2-4 AWG	6-12 AWG	**30-C2016**
Y-Tap Breakaway, crimp; fused (Hot)	6-8 AWG	6-12 AWG	**30-C2216**
Y-Tap Breakaway, crimp; fused (Hot)	10-12 AWG	6-12 AWG	**30-C2616**
Combination Y-Tap Breakaway, fused (Hot)	2-12 AWG set screw	6-12 AWG crimp	**30-B2216**

Y-Tap Non-Fused



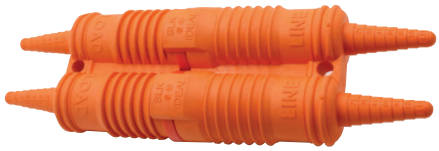
Description	2 Line Side	1 Load Side	Part No.
Y-Tap Breakaway, set screw; non-fused (Neutral)	2-14 AWG	2-14 AWG	**30-S2212N**
Y-Tap Breakaway, crimp; non-fused (Neutral)	2-4 AWG	2-4 AWG	**30-C2012N**
	2-4 AWG	6-12 AWG	**30-C2016N**
	6-8 AWG	6-12 AWG	**30-C2216N**
	10-12 AWG	6-12 AWG	**30-C2616N**

Non-Breakaway Fused



Description	2 Line Side	1 Load Side	Part No.
Y-Tap Non-Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	**30-S2212T**
Y-Tap Non-Breakaway, crimp; fused (Hot)	2-4 AWG	2-4 AWG	**30-C2012T**
	2-4 AWG	6-12 AWG	**30-C2016T**
	6-8 AWG	6-12 AWG	**30-C2216T**
	10-12 AWG	6-12 AWG	**30-C2616T**

Dual In-Line Fused



Description	1 Line Side	1 Load Side	Part No.
Dual In-Line Breakaway, set screw; fused (both Hot)	2-14 AWG	2-14 AWG	**30-S1212D**
Dual In-Line Breakaway, crimp; fused (both Hot)	2-4 AWG	2-4 AWG	**30-C1212D**
	2-4 AWG	6-12 AWG	**30-C1216D**
	6-12 AWG	6-12 AWG	**30-C1616D**

Single-Pole In-Line Paired



Description	1 Line Side	1 Load Side	Part No.
Paired In-Line Breakaway, set screw; one fused (Hot); one non-fused (Neutral)	2-14 AWG	2-14 AWG	**30-S1212P**
Paired In-Line Breakaway, crimp; one fused (Hot); one non-fused (Neutral)	2-4 AWG	2-4 AWG	**30-C1212P**
	6-12 AWG	6-12 AWG	**30-C1216P**
	6-12 AWG	6-12 AWG	**30-C1616P**

One Wire Line/2 Wires Load Fused



Description	1 Line Side	2 Load Side	Part No.
Y-Tap Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	**30-S1222**
Y-Tap Breakaway, crimp; fused (Hot)	2-4 AWG	6-8 AWG	**30-C1222**
	2-4 AWG	10-12 AWG	**30-C1226**
	6-12 AWG	6-8 AWG	**30-C1622**
	6-12 AWG	10-12 AWG	**30-C1626**

SLK accepts solid or stranded and copper or aluminum conductors.

Two Wires Line/2 Wires Load Fused



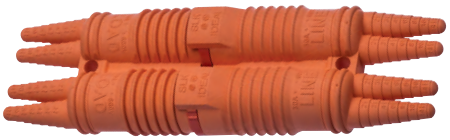
Description	2 Line Side	2 Load Side	Part No.
2-Pole Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	**30-S2222**
2-Pole Breakaway, crimp; fused (Hot)	2-4 AWG	6-8 AWG	**30-C2022**
	2-4 AWG	10-12 AWG	**30-C2026**
	6-8 AWG	6-8 AWG	**30-C2222**
	6-8 AWG	10-12 AWG	**30-C2226**
	10-12 AWG	10-12 AWG	**30-C2626**

Two Wires Line/2 Wires Load Non-Fused



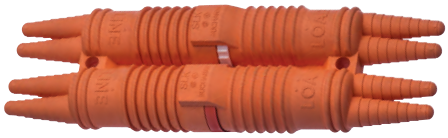
Description	2 Line Side	2 Load Side	Part No.
2-Pole Breakaway, set screw; non-fused (Neutral)	2-14 AWG	2-14 AWG	**30-S2222N**
2-Pole Breakaway, crimp; non-fused (Neutral)	2-4 AWG	6-8 AWG	**30-C2022N**
	2-4 AWG	10-12 AWG	**30-C2026N**
	6-8 AWG	6-8 AWG	**30-C2222N**
	6-8 AWG	10-12 AWG	**30-C2226N**
	10-12 AWG	10-12 AWG	**30-C2626N**

2-Pole Dual Fused



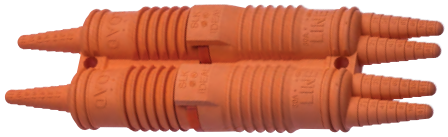
Description	2 Line Side	2 Load Side	Part No.
Dual 2-Pole Breakaway, set screw; fused (both Hot)	2-14 AWG	2-14 AWG	**30-S2222D**

2-Pole Paired



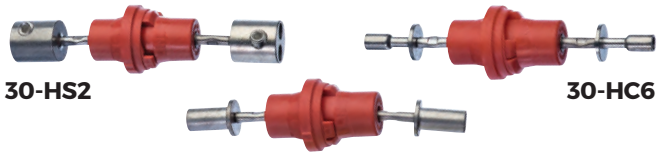
Description	2 Line Side	2 Load Side	Part No.
Paired 2-Pole Breakaway, set screw; one fused (Hot); one non-fused (Neutral)	2-14 AWG	2-14 AWG	**30-S2222P**

Y-Tap Dual Fused



Description	2 Line Side	1 Load Side	Part No.
Dual, Y-Tap Breakaway, set screw; fused (both Hot)	2-12 AWG	2-12 AWG	**30-S2212D**

Fuseholders (No Boot Included)



30-HS2

30-HC6

30-HC2

Description	1 Line Side	1 Load Side	Part No.
Fuseholder only, non-breakaway, set screw, fused	2-14 AWG	2-14 AWG	**30-HS2**
Fuseholder only, non-breakaway, crimp, fused	2-4 AWG	2-4 AWG	**30-HC2**
	6-12 AWG	6-12 AWG	**30-HC6**

Fuseholder replacements are for use within SLK disconnects.

One Wire Line/2 Wires Load Non-Fused



Description	1 Line Side	2 Load Side	Part No.
Y-Tap Breakaway, set screw; non-fused (Neutral)	2-14 AWG	2-14 AWG	**30-S1222N**
Y-Tap Breakaway, crimp; non-fused (Neutral)	2-4 AWG	6-8 AWG	**30-C1222N**
	2-4 AWG	10-12 AWG	**30-C1226N**
	6-12 AWG	6-8 AWG	**30-C1622N**
	6-12 AWG	10-12 AWG	**30-C1626N**

SLK accepts solid or stranded and copper or aluminum conductors.

Breakaway Streetlight Connector & Splice Insulating Kits

CONSTRUCTION PRODUCTS BUCHANAN

- Safe and easy installation in five minutes or less
- No special equipment necessary – requires only a knife, wire stripper, and a hex tool or crimp tool
- Built-in break-away design eliminates de-energization of complete circuits
- Safely separates upon impact without breaking wires – eliminates potential danger and electrical shock
- Spring-loaded contacts compensate for thermal expansion to maintain integrity of connection (breakaway models)



Application Guide

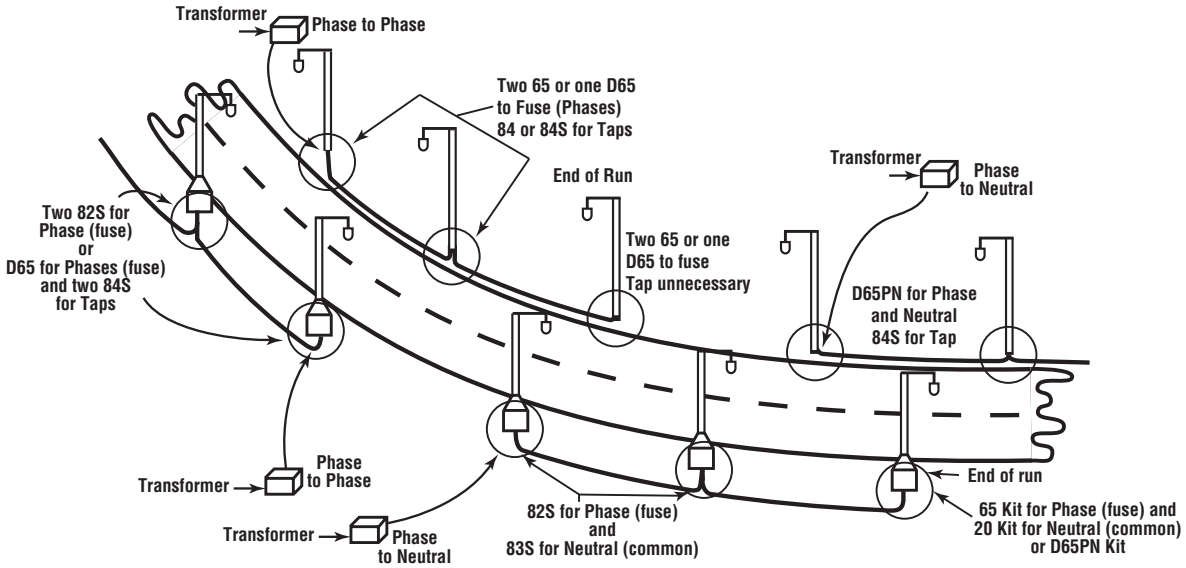
(Examples of Several Configurations)

For Poles with Transformer Bases, Standard Bases and Junction Boxes

Underground Feed Phase to Phase	
Configurations	**Comments**
D65 dual-in-line for phases and two 84S kits for taps	Recommended configuration
Two 82S Y-Tap Kits for phases and taps	Cost effective
Underground Feed Phase to Neutral	
DP65PN dual-in-line for phase and neutral and two 84S kits for tap	Recommended configuration
One 82S Y-Tap Kit for phase and tap and one 83S Y-Tap Kit for neutral and tap	Cost effective

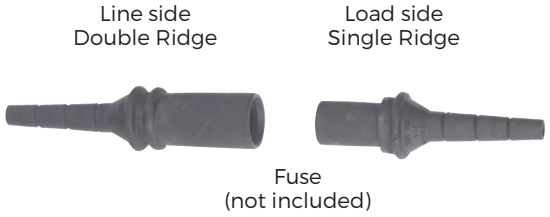
For Lights Mounted to Utility Poles, etc.

Overhead Feed	
Configurations	**Comments**
Two B-Tap® Insulation Piercing Connectors for phase and/or tap (for insulated conductors only)	Recommended configuration, see B-Tap® Insulation Piercing Connectors on page A-36.



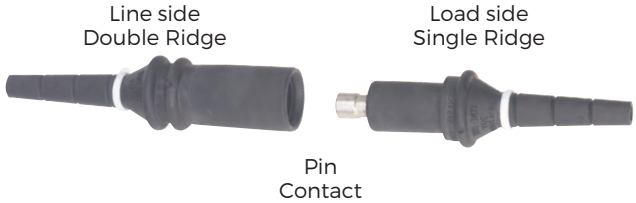
Note: Fused kits require a 13/32 in. x 1-1/2 in. fuse. **DO NOT USE GLASS OR INDICATING TYPES.** Waterproof or direct burial wire is recommended. **THHN is NOT recommended.**

In-Line Fused (Hot)



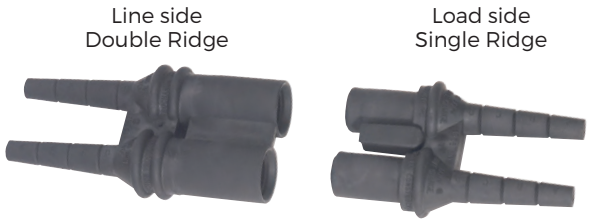
Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, crimp, fused	12-6 AWG Cu	12-6 AWG Cu	**65U**
	4-2 AWG Cu	12-6 AWG Cu	**65LC-U**
	4-2 AWG Cu	4-2 AWG Cu	**65-LC**

In-Line Non-Fused (Neutral)



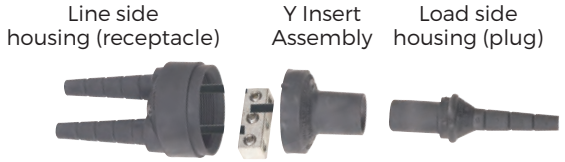
Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, crimp, non-fused	12-6 AWG Cu	12-6 AWG Cu	**20U**
	4-2 AWG Cu	12-6 AWG Cu	**20-LC-U**
	4-2 AWG Cu	4-2 AWG Cu	**20-LC**

Dual In-Line Fused (Both Hot)



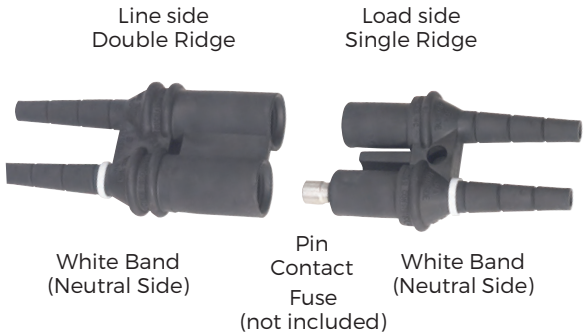
Description	1 Line Side	1 Load Side	Part No.
Dual In-Line Breakaway, crimp, fused	12-6 AWG Cu	12-6 AWG Cu	**D65U**
	4-2 AWG Cu	12-6 AWG Cu	**D65-LC-U**
	4-2 AWG Cu	4-2 AWG Cu	**D65-LC**

Y-Splice Kits (Non-Breakaway/No Fuse)



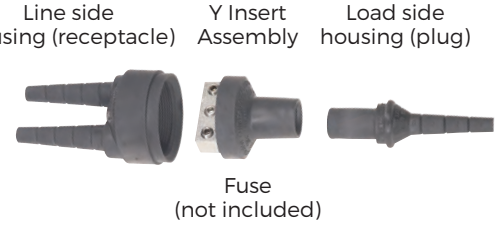
Description	2 Line Side Set Screw	1 Load Side Set Screw	Part No.
Y-Splice Set Screw Tap & Run	10-2 AWG Cu/Al	10-2 AWG Cu/Al	**84S-ADB1**
	10-2 AWG Cu/Al	10-2 AWG Cu/Al	**84S-EAFB1**

Paired In-Line Non-Fused (One Hot, One Neutral)



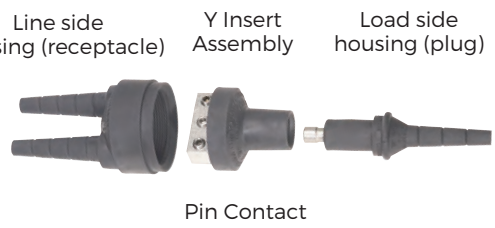
Description	1 Line Side	1 Load Side	Part No.
Paired In-Line Break-away, crimp, non-fused	12-6 AWG Cu	12-6 AWG Cu	**D65PN-U**
	4-2 AWG Cu	12-6 AWG Cu	**D65PN-LC-U**
	4-2 AWG Cu	4-2 AWG Cu	**D65PN-LC**

Y-Tap Fused (Hot)



Description	2 Line Side Set Screw	1 Load Side Crimp	Part No.
Y-Tap Breakaway, fused	10-2 AWG Cu/Al	12-6 AWG Cu	**82S-ADB1-C**
	10-2 AWG Cu/Al	4-2 AWG Cu	**82S-ADB1-LC**
	10-2 AWG Cu/Al	12-6 AWG Cu	**82S-EAFB1-C**
	10-2 AWG Cu/Al	4-2 AWG Cu	**82S-EAFB1-LC**

Y-Tap Non-Fused (Neutral)



Description	2 Line Side Set Screw	1 Load Side Crimp	Part No.
Y-Tap Breakaway, non-fused	10-2 AWG Cu/Al	12-6 AWG Cu	**83S-ADB1-C**
	10-2 AWG Cu/Al	4-2 AWG Cu	**83S-ADB1-LC**
	10-2 AWG Cu/Al	12-6 AWG Cu	**83S-EAFB1-C**
	10-2 AWG Cu/Al	4-2 AWG Cu	**83S-EAFB1-LC**

LR9706

Stated wire range for crimping stranded conductors. For crimping solid wire: 14-4 AWG, use codes. U, 2 AWG use code LC. Note: Fused Kits require a 13/32 in. x 1-1/2 in. fuse. DO NOT USE GLASS OR INDICATING TYPES. Waterproof or direct burial wire is recommended. THHN is NOT recommended. Insulation O.D. range is .120 in. - .430 in.

Ring Terminals

Vinyl Insulated Ring Terminals

Wire Range	Stud Size (in.)	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	6 (3,7mm)	0.157 (4,0mm)	25	**83-2121**	—	—
	8 (4,3mm)		25	**83-2131**	—	—
	10 (5,3mm)		25	**83-2141**	—	—
	1/4 (6,4mm)		25	**83-2151**	—	—
16 – 14 AWG (1,5 – 2,5mm²)	6 (3,7mm)	0.177 (4,5mm)	25	**83-2221**	—	—
	8 (4,3mm)		25	**83-2231**	—	—
	10 (5,3mm)		25	**83-2241**	1,000	**84-2241**
	1/4 (6,4mm)		25	**83-2251**	—	—
12 – 10 AWG (4,0 – 6,0mm²)	8 (4,3mm)	0.248 (6,3mm)	25	**83-2331**	—	—
	10 (5,3mm)		25	**83-2341**	1,000	**84-2341**
	1/4 (6,4mm)		25	**83-2351**	—	—
	5/16 (8,4mm)		25	**83-2361**	—	—
	3/8 (10,5mm)		25	**83-2371**	—	—

75˚C/600 Volts max.

Non-Insulated Ring Terminals



Wire Range	Stud Size (in.)	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	8 (4,3mm)	25	**83-0131**	—	—
	10 (5,3mm)	25	**83-0141**	—	—
16 – 14 AWG (1,5 – 2,5mm²)	6 (3,7mm)	25	**83-0221**	—	—
	8 (4,3mm)	25	**83-0231**	—	—
	10 (5,3mm)	25	**83-0241**	1,000	**84-0241**
12 – 10 AWG (4,0 – 6,0mm²)	8 (4,3mm)	25	**83-0331**	—	—
	10 (5,3mm)	25	**83-0341**	1,000	**84-0341**
	1/4 (6,4mm)	25	**83-0351**	—	—
8 AWG (8,0mm²)	10 (5,3mm)	25	**83-0421**	—	—
	1/4 (6,4mm)	25	**83-0431**	—	—
	5/16 (8,4mm)	25	**83-0441**	—	—
	3/8 (10,5mm)	25	**83-0451**	—	—
6 AWG (14,0mm²)	10 (5,3mm)	20	**83-0511**	—	—
	1/4 (6,4mm)	20	**83-0521**	—	—
	5/16 (8,4mm)	20	**83-0531**	—	—
	3/8 (10,5mm)	20	**83-0541**	—	—
4 AWG (22,0mm²)	1/4 (6,4mm)	20	**83-0611**	—	—
	5/16 (8,4mm)	20	**83-0621**	—	—
	3/8 (10,5mm)	20	**83-0631**	—	—

105˚C/600 Volts max.

LISTED Wire Connector 774A Cu only c UL

Spade Terminals

Vinyl Insulated Spade Terminals

Wire Range	Stud Size (in.)	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	6 (3,7mm)	0.157 (4,0mm)	25	**83-7111**	1,000	**84-7111**
	8 (4,3mm)		25	**83-7121**	—	—
	10 (5,3mm)		25	**83-7131**	—	—
16 – 14 AWG (1,5 – 2,5mm²)	6 (3,7mm)	0.177 (4,5mm)	25	**83-7151**	—	—
	8 (4,3mm)		25	**83-7161**	1,000	**84-7161**
	10 (5,3mm)		25	**83-7171**	1,000	**84-7171**
12 – 10 AWG (4,0 – 6,0mm²)	6 (3,7mm)	0.248 (6,3mm)	25	**83-7201**	—	—
	8 (4,3mm)		25	**83-7211**	—	—
	10 (5,3mm)		25	**83-7221**	500	**84-7221**
	1/4 (6,4mm)		25	**83-7231**	—	—

75˚C/600 Volts max.

LISTED Wire Connector 774A Cu only c UL

Vinyl Insulated Snap Spade Terminals

Wire Range	Stud Size (in.)	Max. Wire Ins. Dia.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	6 (3,7mm)	0.134 (4,0mm)	25	**83-7011**
	8 (4,3mm)		25	**83-7021**
	10 (5,3mm)		25	**83-7031**
16 – 14 AWG (1,5 – 2,5mm²)	6 (3,7mm)	0.161 (4,5mm)	25	**83-7051**
	8 (4,3mm)		25	**83-7061**
	10 (5,3mm)		25	**83-7071**
12 – 10 AWG (4,0 – 6,0mm²)	8 (4,3mm)	0.248 (6,0mm)	25	**83-7081**
	10 (5,3mm)		25	**83-7091**
	1/4 (6,4mm)		25	**83-7101**

75˚C/600 Volts max.

LISTED Wire Connector 774A Cu only c UL

Non-Insulated Spade Terminals



Wire Range	Stud Size (in.)	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	6 (3,7mm)	0.157 (4,0mm)	25	**83-6111**	—	—
	8 (4,3mm)		25	**83-6121**	—	—
	10 (5,3mm)		25	**83-6131**	—	—
16 – 14 AWG (1,5 – 2,5mm²)	8 (4,3mm)	0.177 (4,5mm)	25	**83-6161**	—	—
	10 (5,3mm)		25	**83-6171**	1,000	**84-6171**
12 – 10 AWG (4,0 – 6,0mm²)	8 (4,3mm)	0.248 (6,3mm)	25	**83-6211**	—	—
	10 (5,3mm)		25	**83-6221**	—	—
	1/4 (6,4mm)		25	**83-6231**	—	—

105˚C/600 Volts max.

LISTED Wire Connector 774A Cu only c UL

Disconnects

Vinyl Insulated Female Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²) 	.110 x .020 (2,8mm x 0,5mm)	0.150 (3,8mm)	25	**83-9511**	–	–
	.187 x .020 (4,75mm x 0,5mm)		25	**83-9541**	–	–
	.250 x .032 (6,35mm x 0.8mm)		25	**83-9571**	–	–
16 – 14 AWG (1,5 – 2,5mm²) 	.110 x .020 (2,8mm x 0,5mm)	0.185 (4,7mm)	25	**83-9521**	–	–
	.187 x .020 (4,75mm x 0,5mm)		25	**83-9551**	–	–
	.250 x .032 (6,35mm x 0.8mm)		25	**83-9581**	500	**84-9581**
14 – 12 AWG (2,5mm – 4,0mm²)	.250 x .032 (6,35mm x 0.8mm)	0.244 (6,2mm)	25	**83-9591**	–	–
12 – 10 AWG (4,0 – 6,0mm²) 	.250 x .032 (6,35mm x 0.8mm)	0.244 (6,2mm)	25	**83-9601**	500	**84-9601**

75˚C/600 Volts max.

Wire Connector 774A LISTED Cu only c UL

Vinyl Insulated Male Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.150 (3,8mm)	25	**83-9971**
16 – 14 AWG (1,5 – 2,5mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.185 (4,7mm)	25	**83-9981**
12 – 10 AWG (4,0 – 6,0mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.244 (6,2mm)	25	**83-9991**

75˚C/300 Volts max.

Wire Connector 774A LISTED Cu only c UL

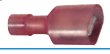
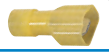
Non-Insulated Female Disconnects



Wire Range	Tab Size	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	.110 x .020 (2,8mm x 0,5mm)	25	**83-9411**
16 – 14 AWG (1,5 – 2,5mm²)	.110 x .020 (2,8mm x 0,5mm)	25	**83-9421**
22 – 18 AWG (0,5 – 1,0mm²)	.187 x .020 (4,75mm x 0,5mm)	25	**83-9441**
16 – 14 AWG (1,5 – 2,5mm²)	.187 x .020 (4,75mm x 0,5mm)	25	**83-9451**
22 – 18 AWG (0,5 – 1,0mm²)	.250 x .032 (6,35mm x 0,8mm)	25	**83-9471**
16 – 14 AWG (1,5 – 2,5mm²)	.250 x .032 (6,35mm x 0,8mm)	25	**83-9481**
12 – 10 AWG (4,0 – 6,0mm²)	.250 x .032 (6,35mm x 0,8mm)	25	**83-9501**

105˚ C/300 Volts max. Not UL Listed.

Nylon Fully-Insulated Female Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.150 (3,8mm)	25	**83-9771**	1,000	**84-9771**
16 – 14 AWG (1,5 – 2,5mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.185 (4,7mm)	25	**83-9781**	1,000	**84-9781**
12 – 10 AWG (4,0 – 6,0mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.244 (6,2mm)	25	**83-9791**	500	**84-9791**

105˚ C/300 Volts max.

Wire Connector 774A LISTED Cu only c UL

Nylon Fully Insulated Male Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.150 (3,8mm)	25	**83-9911**	500	**84-9911**
16 – 14 AWG (1,5 – 2,5mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.185 (4,7mm)	25	**83-9921**	500	**84-9921**
12 – 10 AWG (4,0 – 6,0mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.244 (6,2mm)	25	**83-9931**	500	**84-9931**

105˚ C/300 Volts max.

Wire Connector 774A LISTED Cu only c UL

Vinyl Insulated Multi-Stack Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.150 (3,8mm)	25	**83-9611**
16 – 14 AWG (1,5 – 2,5mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.185 (4,7mm)	25	**83-9621**
12 – 10 AWG (4,0 – 6,0mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.244 (6,2mm)	25	**83-9631**

75˚C/300 Volts max.

Wire Connector 774A LISTED Cu only c UL

Disconnects

Vinyl Insulated Bullet Disconnects

Wire Range	Max. Wire Ins. Dia.	Qty.	Part No.
22 – 18 AWG (0,5mm – 1,0mm²) 	0.150 (3,8mm)	25	**83-8001**
16 – 14 AWG (1,5 – 2,5mm²) 	0.185 (4,7mm)	25	**83-8011**

75˚C/300 Volts max.

Wire Connector 774A LISTED Cu only c UL

Vinyl Fully-Insulated Receptacles

Wire Range	Max. Wire Ins. Dia.	Qty.	Part No.
22 – 18 AWG (0,5mm – 1,0mm²) 	0.150 (3,8mm)	25	**83-8101**
16 – 14 AWG (1,5 – 2,5mm²) 	0.185 (4,7mm)	25	**83-8111**

75˚C/300 Volts max.

Wire Connector 774A LISTED Cu only c UL

Non-Insulated Flag Female Disconnects

Wire Range	Tab Size	Qty.	Part No.	Qty.	Part No.
16 – 14 AWG (1,5 –2,5mm²) 	0.250 x .032 (6,35mm x 0,8mm)	25	**83-9401**	500	**84-9401**

105˚C/300 Volts max. Not UL Listed.

Adapter - Male to Female (2-1)

Tab Size	Qty.	Part No.
0.250 x .032 (6,35mm x 0,8mm) 	25	**83-9801**

105˚ C/300 Volts max. Not UL Listed.

Splices

Tap Splices

Wire Range	Color	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²) 	Red	25	**83-3261**	250	**84-3261**
16 – 14 AWG (1,5 – 2,5mm²) 	Blue	25	**83-3271**	—	—
12 – 10 AWG (4,0 – 6,0mm²) 	Yellow	25	**83-3281**	—	—

75˚C/600 Volts max.

Wire Connector 774A LISTED Cu only c UL

Splices

Vinyl Insulated Butt Splices

Wire Range	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²) 	0.157 (4,0mm)	25	**83-9281**	1,000	**84-9281**
16 – 14 AWG (1,5 – 2,5mm²) 	0.177 (4,5mm)	25	**83-9291**	1,000	**84-9291**
12 – 10 AWG (4,0 – 6,0mm²) 	0.248 (6,3mm)	25	**83-9301**	500	**84-9301**

75˚C/600 Volts max.

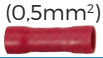
Wire Connector 774A LISTED Cu only c UL

Non-Insulated Butt Splices 

Wire Range	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	25	**83-9001**	—	—
16 – 14 AWG (1,5 – 2,5mm²)	25	**83-9011**	—	—
12 – 10 AWG (4,0 – 6,0mm²)	25	**83-9021**	500	**84-9021**
8 AWG (8,0mm²)	25	**83-9031**	250	**84-9031**
6 AWG (14,0mm²)	20	**83-9041**	—	—
4 AWG (22,0mm²)	20	**83-9051**	—	—

105˚ C/600 Volts max. Not UL Listed.

Vinyl Insulated Parallel Splices

Wire Range	Max. Wire Ins. Dia.	Qty.	Part No.
20 AWG (0,5mm²) 	0.157 (4,0mm)	25	**83-9351**
16 AWG (1,5mm²) 	0.177 (4,5mm)	25	**83-9361**
14 AWG (2,5mm²) 	0.248 (6,3mm)	25	**83-9371**

75˚C/600 Volts max.

Wire Connector 774A LISTED Cu only c UL

Non-Insulated Parallel Splices 

Wire Range	Qty.	Part No.	Qty.	Part No.
20 AWG (0,5 – 1,0mm²)	25	**83-9071**	—	—
16 AWG (1,5 – 2,5mm²)	25	**83-9081**	—	—
14 AWG (4,0 – 6,0mm²)	25	**83-9091**	1,000	**84-9091**

105˚ C/600 Volts max. Not UL Listed.

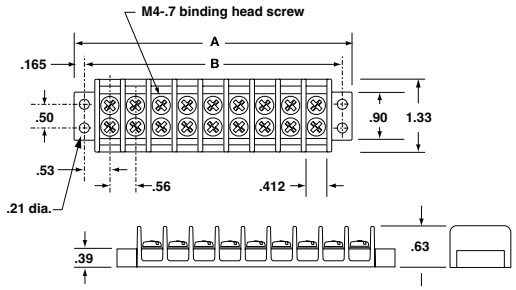
TERMINAL STRIPS

- Heavy-duty, corrosion-resistant screws, surface plates and optional hardware
- Accessory hardware provides a variety of termination options
- Rugged polyester thermoplastic base (UL Rated 94V-0)
- Operating temperature rated from 115˚C (239˚F) to -40˚C (-40˚F)
- UL Recognized (E82048) for US and Canada

89-200 Series



- .562 in. (14.28mm) center spacing
- Accepts wire sizes from 10 - 22 AWG Cu
- M4x.7 Philslot, nickel-plated steel terminal screws
- Recommended torque: 11 in. - lb.



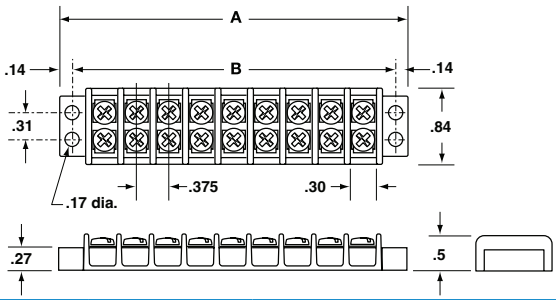
No. of Poles	Dimensions (Inches)		Part No.
	A	B	
2	2.13	1.69	**89-202**
3	2.69	2.25	**89-203**
4	3.25	2.81	**89-204**
6	4.37	3.94	**89-206**
8	5.50	5.06	**89-208**
10	6.62	6.19	**89-210**
12	7.75	7.31	**89-212**

Ratings: 30A/600V UL and cUL Listed.

89-300 Series



- .375 in. (9.52mm) center spacing
- Accepts wire sizes from 14 - 22 AWG Cu
- M3.5x6 Philslot, nickel-plated steel terminal screws
- Recommended torque: 7.1 in. - lb.



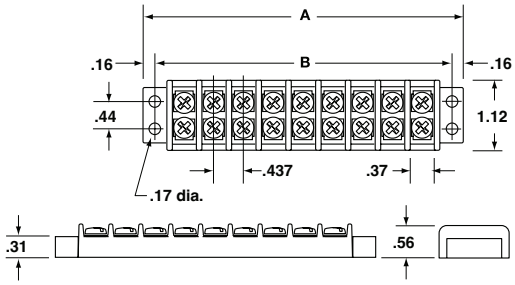
No. of Poles	Dimensions (Inches)		Part No.
	A	B	
2	1.40	1.12	**89-302**
4	2.16	1.88	**89-304**
6	2.90	2.62	**89-306**
8	3.66	3.38	**89-308**
10	4.40	4.12	**89-310**
12	5.16	4.88	**89-312**

Ratings: 20A/300V UL and cUL Listed.

89-400 Series



- .437 in. (11.10mm) center spacing
- Accepts wire sizes from 12 - 22 AWG Cu
- M3.5x6 Philslot, nickel-plated steel terminal screws
- Recommended torque: 7.1 in. - lb.



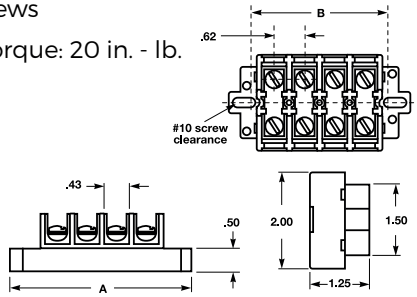
No. of Poles	Dimensions (Inches)		Part No.
	A	B	
2	1.63	1.31	**89-402**
4	2.51	2.18	**89-404**
6	3.38	3.06	**89-406**
8	4.25	3.93	**89-408**
10	5.13	4.81	**89-410**
12	6.00	5.68	**89-412**

Ratings: 25A/300V UL and cUL Listed.

89-500 Series



- Available in standard or shorting block styles
- .625 in. (15.88mm) center spacing
- Accepts wire sizes from 6 - 22 AWG Cu
- #10-32 Philslot, nickel-plated brass terminal screws
- Recommended torque: 20 in. - lb.

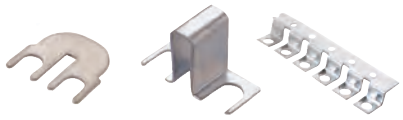


No. of Poles	Dimensions (Inches)		Standard Block Part No.	Shorting Block Part No.
	A	B		
4	3.75	2.87	**89-504**	**89-505**
6	5.00	4.12	**89-506**	**89-507**
8	6.25	5.37	**89-508**	**89-509**
12	8.75	7.87	**89-512**	**89-513**

Ratings: 25A/300V UL and cUL Listed.

Jumpers

- Provides easy connection of multiple circuits



For use w/ Terminal Strip Series	Center Spacing (in.)	Qty.	Flat Slip-on Part No.	Over Barrier Slip-on Part No.	Flat 12-Circuit Part No.
89-200	.562	10	**89-229**	**89-224**	—
		100	**89-230**	—	—
89-300	.375	10	**89-323**	**89-324**	—
		100	**89-330**	—	—
89-400	.437	10	**89-423**	**89-424**	—
		100	**89-430**	—	—
89-500	.625	2	—	—	**89-525**

Quick Connects

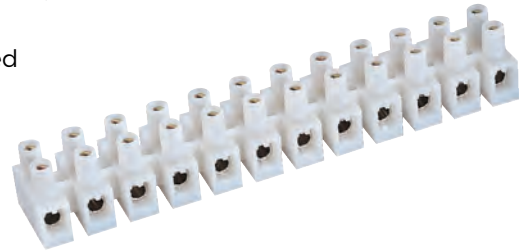
- Allows fast, flexible circuit changes

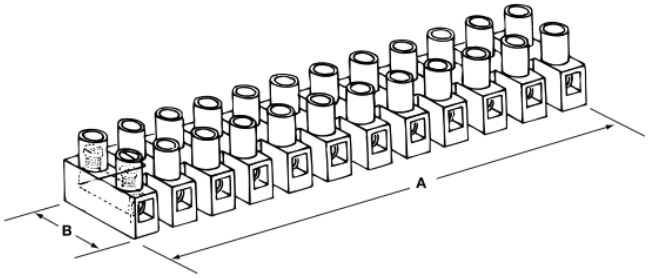


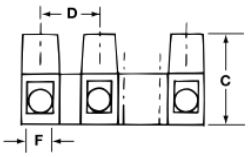
For use w/ Terminal Strip Series	Tab Size (in.)	Qty.	Flat-None Part No.	Flat-Flat Part No.
89-300	.187 x .020	10	**89-314**	**89-317**
89-200 & 89-400	.250 x .031	10	**89-414**	**89-417**

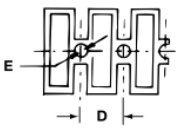
Barrier Strips

- Recessed screws and tubular contacts provide added safety and help prevent short circuits
- Tubular contacts connect stripped, un-terminated solid or stranded wire directly to each contact
- Integrated wire protectors prevent twisting and breakage of stranded wire during connection
- Modular 12-circuit design can be cut into smaller sections, or stacked end-to-end
- Rugged nylon construction, UL 94V2
- Operating temperature rated to 105˚C (221˚F)









Electrical Ratings	Wire Range	No. of Circuits	Torque in.- lb.	Dimensions (Inches)						Part No.
				A	B	C	D	E	F*	
20A/300V UL 20A/600V CSA	22 - 12 AWG	12	3.5	3.787	0.669	0.570	0.315	0.114	0.110	**89-608**
30A/300V UL 30A/600V CSA	22 - 10 AWG 22 - 12 AWG	12	4.4	4.626	0.795	0.670	0.394	0.142	0.134	**89-610**
35A/300V UL/CUL	22 - 10 AWG	12	7.0	5.540	0.937	0.748	0.472	0.154	0.154	**89-612**
50A/300V UL/CUL	20 - 8 AWG	12	12.0	6.220	1.008	0.992	0.531	0.173	0.189	**89-614**

*Plus or minus .004 in.

INSULATION CONNECTORS

B-TAP® Insulation Piercing Connectors

Safe, dependable and easy. The Buchanan B-TAP® Insulation Piercing Connector offers a breakaway torque nut that guarantees a perfect connection every time, no more guesswork. It simply snaps off when UL torque requirements are met. The grease-filled rubber end caps provide superior water and corrosion resistance, while the insulation-piercing design eliminates downtime and power interruptions.

That translates into a 60% installed cost savings compared to split bolts. Installation is easy; all you need is a standard socket or wrench. B-TAP® Connectors can be safely installed on energized systems, eliminating power interruptions and downtime.

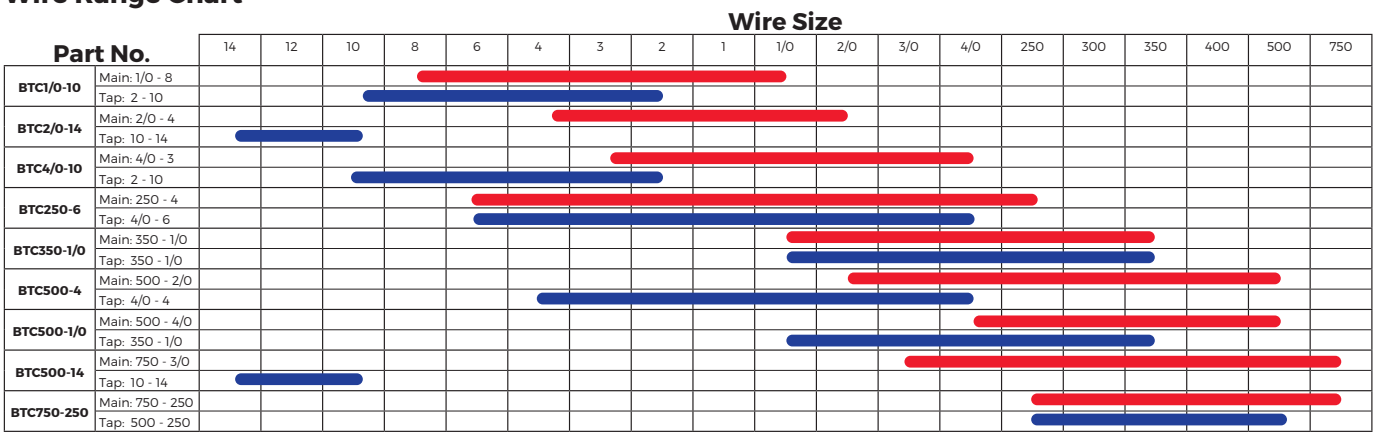


B-TAP® Connectors...EASY AS 1, 2, 3.

1. Select proper B-TAP® connector.
2. Position cables. No need to turn off power.
3. Tighten breakaway torque nut with a standard socket or wrench.

To determine the most appropriate B-TAP® connector for a specific main and tap combination, see chart.

Wire Range Chart



Full-line is 600V dual-rated, 194˚F (90˚C)

Conductor Range		Voltage Rating	Socket Size (Inches)	Torque (In. Lbs.)	No. of Bolts	Part No.
Run	Tap					
1/0-8	2-10[1]	600V	1/2	80	1	**BTC1/0-10**
2/0-4	10-14[2]	600V	1/2	80	1	**BTC2/0-14**
4/0-3	2-10[3]	600V	1/2	125	1	**BTC4/0-10**
250-4	4/0-6	600V	1/2	160	1	**BTC250-6**
350-1/0	350-1/0	600V	5/8	330	2	**BTC350-1/0**
500-2/0	4/0-4	600V	5/8	330	2	**BTC500-4**
500-4/0	350-1/0	600V	5/8	330	2	**BTC500-1/0**
750-3/0	10-14[4]	600V	1/2	80	1	**BTC500-14**
750-250	500-250	600V	5/8	330	2	**BTC750-250**

[1] Tap #2 - #10 Cu solid/stranded; #2 - #10 Al stranded
[2] Tap #10 - #14 Cu solid/stranded; #10 - #14 Al stranded
[3] Tap #2 - #10 Cu solid/stranded; #2 - #8 Al stranded
[4] Tap #10 - #14 Cu solid/stranded; #10 - #12 Al stranded

TOOLS & SUPPLIES

WIRE FISHING

Fish Tapes B-2
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S-CLASS® FIBERGLASS FISH TAPE

S-Class® Fiberglass Fish Tapes

- S-Class fiberglass core for excellent strength and pushing power
- Smooth nylon jacket protects fiberglass and provides a low-friction surface for navigating bends
- Tuff-Grip™ Pro case withstands drops up to 25 ft. without damage
- Full-perimeter handle band helps keep dirt and moisture out



Length (ft.)	Pulling Strength	Diameter	Case Diameter	End Type	Part No.
100	500 lbs.	3/16 in.	12 in.	Leader	**31-061**
100		3/16 in.		Metal Eyelet	**31-063**
200		3/16 in.	16 in.	Leader	**31-064**
200		3/16 in.		Metal Eyelet	**31-065**

E-Class™ Fiberglass Fish Tapes

- Non-conductive fiberglass fish tape rated up to 1000V for safety around live circuits
- Strong fiberglass core delivers excellent pushing and pulling power
- Glow-in-the-dark eyelet increases visibility in dark or confined spaces
- Smooth nylon jacket protects tape and reduces friction through bends
- 3/16" diameter fish tape with 350 lb. pulling strength
- Tuff-Grip™ Pro case withstands drops up to 25 ft. onto concrete



Length (ft.)	Pulling Strength	Diameter	Case Diameter	End Type	Part No.
100	350 lbs.	3/16 in.	12 in.	Glow-in-the-Dark Eyelet	**31-046**
200		3/16 in.	16 in.		**31-048**

Helix™ Flexible Braided Fish Tape

- Ultra-flexible triple strand braided fish tape is perfect for short, complex conduit runs
- Non-conductive up to 1000V* for use around existing circuits (*based on internal testing)
- Construction creates a balance between column strength and flexibility
- Ridges on the exterior of the tape help minimize friction in conduit
- 200 lb tensile strength
- Durable Tuff-Grip™ Pro case withstands up to 25 ft. drop
- Full-perimeter handle band helps keep dirt and moisture out
- Includes molded eyelet



Length (ft.)	Pulling Strength	Case Diameter	End Type	Tuff-Grip™ Pro
50	200 lbs.	12 in.	Molded Eyelet	**31-075**
100				**31-076**
200		16 in.		**31-077**

The Fish Tape square inlay with notched corner combined with an ergonomic handle is a registered trademark of IDEAL INDUSTRIES, INC. Reg. U.S. Pat. & Tm. Off.

The blue color of the Fish Tape products is a registered trademark of IDEAL INDUSTRIES, INC. Reg. U.S. Pat. & Tm. Off.

Blued-Steel™ Fish Tapes

- Premium carbon steel fish tape with 1,600 lb. tensile strength for tough wire pulling jobs
- Blued-Steel design resists rust and corrosion for long-lasting durability
- Laser-etched 12 in. markings provide precise conduit measurements
- Ideal for long conduit runs and professional installations
- Tuff-Grip™ Pro case withstands drops up to 20 ft. without damage
- Formed hook end adds versatility for grabbing and guiding wires easily



Length (ft.)	Pulling Strength	Width & Thickness	Case Diameter	End Type	Tuff-Grip™ Pro	Thumb-Winder™	Replacement Tapes (No Case)
25	1,600 lbs.	1/8 in. x .045 in.	7 in.	Formed hook	–	**31-012**	–
50					–	**31-010**	–
50		1/8 in. x .060 in.	–		–	–	**31-004**
60			12 in.		**31-055**	–	–
120					**31-056**	–	**31-036**
240					**31-057**	–	**31-038**
50		1/4 in. x .060 in..	12 in.		**31-059**	–	–
100					**31-058**	–	–
200			None		–	–	**31-052**
400					–	–	**31-2128**
—					–	–	**31-2982***

*Bulk roll 750 lbs. (approximately 12,000 ft.)

BlueView™ Digital Fish Tapes



- Built-in digital display with BlueView™ technology accurately measures your tape length as it feeds and retracts
- Tested in real environments and made to endure exposure to realistic job site conditions
- Accurate to 1 in. over the length of the fish tape
- Quick and simple calibration process for added accuracy
- Includes 2 AAA batteries and built-in storage for replacements

Length (ft.)	Type	End Type	Tuff-Grip™ Pro
100	S-Class	Gold-Fish® Leader	**31-661**
100		Metal Eyelet	**31-663**
120	Blued-Steel	Formed Hook	**31-656**
240			**31-657**

WARNING
Always use approved safety glasses when using this product. Do not use near energized equipment. Electrical shock may occur. Make sure all power is off. Do not use pliers or other tools that may kink, damage, or weaken any round fish tapes such as S-Class®, Nylon or Zoom™. Use only a fish tape puller designed for this purpose. While fish tapes made of fiberglass, nylon or other composite materials are non-conductive, they may have a metal eyelet that is conductive and could be grounded against conduit. Do not use on live electrical circuits. Do not attempt to use fish tape that is fractured or has multiple ends. Keep the fish tape wound in the reel to prevent damage to the tape. Use this product in a safe work position to prevent loss of balance. Never remove the screws from case while fish tape is coiled inside the reel. Failure to follow instructions may result in severe bodily harm or damage to property.

Stainless Steel Fish Tapes

- Stainless steel fish tape with 1,600 lb. tensile strength
- Highest grade stainless steel for professional durability and reliability, this material prevents rust and corrosion in moist spaces
- Laser-etched 12 in. markings provide precise conduit measurements
- Ideal for long conduit runs and professional installations
- Tuff-Grip Pro case withstands drops up to 20 ft. without damage
- Formed hook end adds versatility for grabbing and guiding wires easily



Length (ft.)	Pulling Strength	Width & Thickness	Case Diameter	End Type	Part No.
120	1,000 lbs.	1/8 in. x .060 in.	12 in.	Formed hook	**31-066**
240					**31-067**

Zoom™ Fish Tapes

- Corrosion-resistant stainless steel construction with nylon jacket
- Tuff-Grip Pro case withstands drops up to 20 ft. without damage
- Machined-metal eyelet increases versatility, making it easy to attach, pull, and guide wires



Length (ft.)	Pulling Strength	Diameter	Case Diameter	End Type	Tuff-Grip™ Pro	Replacement Tapes (No Case)
50	1,000 lbs.	3/16 in.	12 in.	Metal Eyelet	**31-090**	**31-091**
100					**31-092**	–
200			16 in.*		**31-096**	–

Gold-Fish® Fish Tape

- Brass-plated, coiled steel resists rust and corrosion
- The most flexible option for easily navigating bends, boxes, and tight spaces
- No memory and kink-proof, this fish tape hangs straight after being coiled for long periods
- Machined-metal eyelet increases versatility, making it easy to attach, pull, and guide wires
- Tuff-Grip Pro case takes up to a 20 ft. drop without breaking



Length (ft.)	Pulling Strength	Diameter	Case Diameter	End Type	Part No.	Replacement Tape (No Case)
25	700 lbs.	3/16 in.	–	Dual Eyelets	–	**31-145**
50			12 in.	Metal Eyelet	**31-144**	–
100			–	Dual Eyelets	–	**31-146**

Mini Fish Tape

- Compact and designed for short-run wire pulling projects
- 15 ft. flat steel fish tape reduces snags and ensures smooth pulls
- Glow-in-the-dark tip improves visibility in dark spaces and tight areas
- Ergonomic flip-out handle allows quick, tangle-free tape retraction
- Durable metal belt clip offers convenient hands-free storage on the jobsite



Length (ft.)	End Type	Part No.
50	Metal Eyelet	**31-015**

Fish Tape Leader



- Built with 500 lb. tensile strength to handle demanding wire pulls on professional job sites
- Capable of pulling up to six 10 AWG bare wires for versatile electrical applications
- Replaces quickly in the field for reduced downtime
- Durable construction ensures reliable performance and long service life

Description	Part No.
Gold-Fish® Fish Tape Leader	**31-148**

Tuff-Grip™ Pro Accessories

- Replacement includes: Fish Tape Case (2 halves) and Handle (1)



Description	Part No.
Fish Tape Parts Kit	**KB-0173**
Screws* (not included, kit requires 4)	**LA-4218**

*Screws not included, must be ordered separately.

Fish Tape Tip Repair Kits

- Kits offers cost savings by allowing electricians to maintain their tools on the job site without downtime
- Each kit listed below comes with adhesive included



Description	Part No.
E-Class™ Fiberglass Fish Tape Repair Kit includes: (2) Glow-in-the-Dark Tips	**31-044**
Helix™ Braided Fish Tape Repair Kit includes: (2) Molded, Non-Conductive Tips	**31-078**
Zoom™ Fish Tape Replacement Eyelets includes: (2) Eyelets	**31-094**
S-Class® Fish Tape Replacement Eyelets includes: (4) Eyelets	**31-158**
S-Class® Fish Tape Replacement Leaders includes: (4) Leaders	**31-159**
S-Class® Fish Tape Repair Kit w/Non-Conductive Eyelets includes: (2) Non-Conductive Eyelets	**31-203**
Volt-Guard Fish Tape Repair Kit includes: (2) Volt-Guard Eyelets	**31-541**

Fish Tape Field Application Kit

- Complete field kit for replacing eyelets and leaders on S-Class and Zoom fish tapes
- Crimps on new eyelet or leader in minutes for fast, reliable repairs
- Connections engineered to withstand up to 500 lb. of pull strength
- Durable carrying case keeps tools and components organized on the job
- Extends fish tape longevity while reducing downtime and replacement costs



Description	Part No.
Includes: Crimpmaster™ Crimp Tool, die set, (2) S-Class Eyelets, (2) S-Class Leaders, (2) Zoom Eyelets and Adhesive	**31-156**

S-Class® Fish Tape Die Set Kit

- Designed for use with IDEAL Electrical S-Class Fish Tapes
- Crimps on a new eyelet or leader in minutes
- Connections rated to withstand up to 500 lb. pull strength



Description	Part No.
Kit Includes: Die set, (2) S-Class Eyelets, (2) S-Class Leaders, and Adhesive	**31-164**
Die Set	**31-166**

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The blue color of the Fish Tape products is a registered trademark of IDEAL INDUSTRIES, INC. Reg. U.S. Pat. & Tm. Off.

Tuff-Rod™ Regular Flex Fishing Poles



- Strong, lightweight, flexible extendable fiberglass rod kits
- Use to reach and pull wires over suspended ceilings, in cable trays or through interior walls
- Packaged in clear tubes for protection and long-term storage
- 1/4 in. white fiberglass
- Extra stiffness for added control when maneuvering wires

Description	Length	Diameter	Sections	Part No.
Fixed bullet nose and threaded J hook	12 ft. total	1/4 in.	3 ea. 4 ft.	**31-611**
Fixed bullet nose and threaded J hook	24 ft. total	1/4 in.	4 ea. 6 ft.	**31-612**

Tuff-Rod™ Extra Flex Glow Fishing Poles

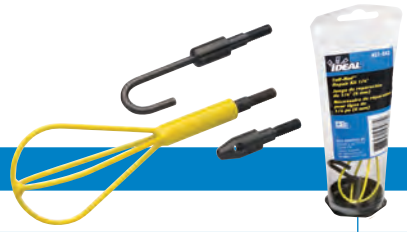


- Strong, lightweight, flexible extendable fiberglass rod kits
- Use to reach and pull wires over suspended ceilings, in cable trays or through interior walls
- Packaged in clear tubes for protection and long-term storage
- 3/16 in. pale green luminescent fiberglass
- Glow-in-the-dark material for easy use in attics, basements and other dimly lit areas

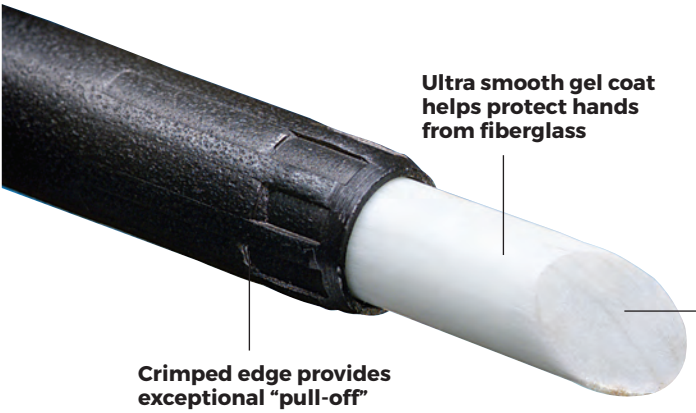
Description	Length	Diameter	Sections	Part No.
Fixed bullet nose and threaded J hook	8 ft. total	3/16 in.	2 ea. 4 ft.	**31-654**
Fixed bullet nose and threaded J hook	12 ft. total	3/16 in.	3 ea. 4 ft.	**31-631**
Fixed bullet nose and threaded J hook	15 ft. total	3/16 in.	3 ea. 5 ft.	**31-653**
Fixed bullet nose and threaded J hook	30 ft. total	3/16 in.	5 ea. 6 ft.	**31-633**

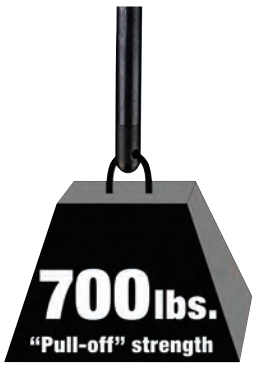
Tuff-Rod™ Accessory Kits

- Includes replacement heads: one threaded bullet nose, one threaded J hook and one threaded whisk



Description	Part No.
3/16 in. Accessory Kit	**31-651**
1/4 in. Accessory Kit	**31-652**





WIRE LUBRICANTS & PULLING ACCESSORIES

Application Selection

	Commercial	Utility
Temperature Range	40˚F - 120˚F (4˚C - 49˚C)	-28˚F - 120˚F (-33˚C - 49˚C)
Length of Run	Up to 75 ft. (finished construction) Up to 1,200 ft. (new construction)	Up to 250 ft.
Installation Time	8 hrs.	24 hrs.
Best Choice	ClearGlide® (finished construction) Yellow 77® and Yellow 77® Plus (new construction)	Aqua-Gel® II & Velocity™ (indoors, outdoors) Aqua-Gel® CW & IIP (outdoors)

Product Selection

	Yellow 77®	Yellow 77® Plus	ClearGlide®	Aqua-Gel® II	Aqua-Gel® IIP	Aqua-Gel® CW	Velocity™
Color	Yellow	Yellow	Clear	Blue	Blue	Pink	Cream
Base	Wax	Wax	Polymer	Polymer	Polymer	Polymer	Polymer
Average Coefficient of Friction*	.17	.16	.23	.19	.19	.19	.16
Stability Range	32˚F – 130˚F (0˚C – 54˚C)	32˚F – 190˚F (0˚C – 88˚C)	32˚F – 180˚F (0˚C – 82˚C)	28˚F – 180˚F (-2˚C – 82˚C)	28˚F – 180˚F (-2˚C – 82˚C)	-28˚F – 190˚F (-33˚C – 82˚C)	25˚F – 140˚F (-3.9˚C – 60˚C)
Application Temperature Range	40˚F – 100˚F (4˚C – 38˚C)	40˚F – 100˚F (4˚C – 38˚C)	40˚F – 100˚F (4˚C – 38˚C)	40˚F – 100˚F (4˚C – 38˚C)	40˚F – 100˚F (4˚C – 38˚C)	-28˚F – 40˚F (-33˚C – 4˚C)	40˚F – 140˚F (4˚C – 82˚C)
Compatibility (Cable Types):							
Rubber	●	●	●	●	●	●	●
Neoprene	●	●	●	●	●	●	●
Nylon	●	●	●	●	●	●	●
PVC	●	●	●	●	●	●	●
High-density or cross-linked polyethylene	●	●	●	●	●	●	●
Low-density polyethylene		●	●	●	●	●	●
Semi-conducting jacket		●	●	●	●	●	●
Hypalon	●	●	●	●	●	●	●

*Results from NEETRAC, an independent testing laboratory affiliated with The Georgia Institute of Technology.

Recommended Qty. of Lubricant Formula

Q = .0015 x L X D
Q = Quantity of recommended lube in gallons
L = Length of pull in feet
D = Nominal ID of conduit in inches



This formula may be used as a guideline for estimating the quantity of lubricant needed for various jobs. Many additional factors may impact quantity needed. Increase quantities if any of the following apply:

- Stiff or heavy cable
- Rough, old, or dirty conduit
- High percent conduit fill
- Pull with several bends
- High temperatures

Yellow 77® Plus Wire Pulling Lubricant



- Rapid Glide™ polytetrafluoroethylene additive provides greater lubricity than other wax-based lubricants — great for tough pulls
- Safe to use with all cable types
- Clings to cable throughout long runs, even where moisture is present
- Remains stable in high temperatures — usable from 32˚F to 190˚F (0˚C to 88˚C)
- Dries slowly to a thin, non-conductive film
- Creamy texture applies easily and uniformly by hand or brush
- Homogeneous blend requires no mixing
- Won't dry out – surface coat forms to control evaporation
- Environmentally safe – non-toxic, non-flammable and non-corrosive

Description	Part No.
1-qt. Squeeze Bottle	**31-398**
1-gal. Bucket	**31-391**
5-gal. Bucket	**31-395**

UL LISTED

Yellow 77® Wire Pulling Lubricant



- The #1 brand of wire pulling lubricant since 1959
- Wax-based formula provides superior lubricity
- Safe to use with most cable types except low-density polyethylene and semi-conducting jackets
- Clings to cable throughout long pulls, even where moisture is present
- Won't break down or separate after repeated exposure to freezing temperatures
- Dries slowly to a thin, non-conductive film
- Creamy texture applies easily and uniformly by hand or brush
- Homogeneous blend requires no mixing
- Won't dry out — surface coat forms to control evaporation
- Environmentally safe — non-toxic, non-flammable and non-corrosive

Description	Part No.
19-oz. Aerosol Can	**31-357**
1-qt. Squeeze Bottle	**31-358**
1-gal. Bucket	**31-351**
5-gal. Bucket	**31-355**
55-gal. Drum	**31-365**

ClearGlide® Wire Pulling Lubricant

UL LISTED

- Clear and colorless for quick and easy clean-up — great for indoor and retrofit pulls
- Exceptional lubricity for super-fast pulls
- Polymer-based formula is perfect for all electrical and datacom applications
- Safe to use with all cable types
- Controlled evaporation rate is ideal for shorter runs
- Remains stable over wide temperature ranges — usable from 32˚F to 180˚F (0˚C to 82˚C)
- Dries to a semi-fluid film
- Easy to apply by hand, brush or pump
- Environmentally safe — non-toxic, non-flammable and non-corrosive



Description	Part No.
19-oz. Aerosol Can	**31-387**
1-qt. Squeeze Bottle	**31-388**
1-gal. Bucket	**31-381**
5-gal. Bucket	**31-385**
55-gal. Drum	**31-2143**

UL LISTED

Aqua-Gel® II Cable Pulling Lubricant



- Polymer-based formula provides maximum tension reduction in high-stress electrical and communication cable-pulling operations
- Cleans up easily with soap and water
- Clings to cable throughout long pulls
- Remains stable over wide temperature range — usable from 28˚F to 180˚F (-2˚C to 88˚C)
- Dries to a semi-fluid film that won't clog conduit
- Easy to apply by hand, brush or pump
- Environmentally safe – non-toxic, non-flammable and non-corrosive
- For indoor and outdoor use

UL LISTED

Description	Part No.
1-qt. Squeeze Bottle	**31-378**
1-gal. Bucket	**31-371**
5-gal. Bucket	**31-375**

Aqua-Gel® IIP Cable Pulling Lubricant

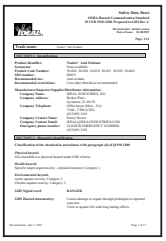
- Features the same excellent qualities as Aqua-Gel® II Cable Pulling Lubricant with a lower viscosity for easy pouring and pumping
- Pourable formula clings to cable – eliminates hand application for a clean and safe job



- Cleans up easily with soap and water
- Environmentally safe – non-toxic, non-flammable and non-corrosive
- For outdoor use

Description	Part No.
1-gal. Jug	**31-421**
5-gal. Bucket	**31-425**
55-gal. Drum	**31-435**

UL LISTED



For a Safety Data Sheet on lubricants and other products visit us at idealind.com.

Aqua-Gel® CW Cable Pulling Lubricant

- Features the same excellent qualities as Aqua-Gel® II Cable Pulling Lubricant with a lower temperature range for use outdoors in cold weather
- Polymer-based, cold-weather formula remains stable in storage from -28˚F to 190˚F (-33˚C to 82˚C)



- Formulated for exterior use in cold weather conditions
- Cleans up easily with soap and water
- Clings to cable throughout long pulls
- Well-suited for hand or poured applications
- Environmentally safe — non-toxic, non-flammable and non-corrosive
- For outdoor use

Description	Part No.
1-qt. Squeeze Bottle	**31-298**
1-gal. Jug	**31-291**
5-gal. Bucket	**31-295**

UL LISTED

Velocity™ Wire Pulling Lubricant



- High cling factor
- Maximum friction reduction
- Specification grade
- Compatible with all cable types
- Temperature stable
- Non-combustible residue
- Environmentally safe — non-toxic, non-flammable and non-corrosive

Description	Part No.
1-qt. Squeeze Bottle	**31-276**
1-gal. Bucket	**31-277**
5-gal. Bucket	**31-278**

Noalox® Anti-Oxidant



- Anti-oxidant compound improves efficiency and service life of aluminum electrical connections
- Suspended zinc particles penetrate and cut aluminum oxide
- Provides additional inner-strand and inner-conductor current paths for improved conductivity and cooler connections
- Carrier material excludes air to minimize further oxidation
- For use with pressure-type wire connectors including lugs, taps, service entrances and split-bolts
- Reduces galling and seizing when applied on aluminum conduit joints promoting good ground continuity

Description	Part No.
1/2-oz. Tube	**30-024**
4-oz. Squeeze Bottle	**30-026**
8-oz. Squeeze Bottle	**30-030**
8-oz. Brush Cap	**30-031**
1-gal. Bucket	**30-032**
5-gal. Bucket	**30-040**
55-gal. Drum	**30-1216**

Compatible with aluminum to aluminum and aluminum to copper connections.

Pro-Pull™ Measuring Pull Tape



- Increased efficiency - measure and pull in a single step
- Made from woven polyester fiber for minimal stretch and maximum abrasion resistance
- Softer on hands compared to traditional polypropylene rope
- Clearly marked with sequential footage, printing dates, and lot tracing information

Description	Tensile Strength	Width	Length	Part No.
Pro-Pull™ Measuring Pull Tape	400 lbs.	1/4 in.	Bucket of 4,500 ft.	**31-400B-45**
	1,800 lbs.	5/8 in.	Bucket of 1,300 ft.	**31-1800B-13**
	1,250 lbs.	1/2 in.	Reel of 1,000 ft.	**31-1250-10**
			Reel of 3,000 ft.	**31-1250-20**
			Reel of 5,000 ft.	**31-1250-50**
	1,800 lbs.	5/8 in.	Reel of 3,000 ft.	**31-1800-30**
	2,500 lbs.	3/4 in.	Reel of 3,000 ft.	**31-2500-30**

Pro-Pull™ Conduit Measuring Tape



- Made from durable stranded polyester fiber
- Features highly legible sequential footage markings
- Can be easily blown or vacuumed through conduit
- Resistant to rot and mildew for long-term use

Description	Tensile Strength	Length	Part No.
Pro-Pull™ Conduit Measuring Tape	160 lbs.	Reel of 3,000 ft.	**31-0160-30**

Valu-Line™ Pull Line



- Standard-duty pull line for installing electrical and communication cables
- White with gray tracer for easy identification on the job
- Resistant to rot and mildew for long-term storage in conduit
- Can be blown or vacuumed directly into the conduit for fast wire pulling setup
- Convenient 6,500 ft. bucket with pre-punched top for smooth, tangle-free dispensing

Description	Tensile Strength	Length	Part No.
Valu-Line™ Pull-Line	190 lbs.	Bucket of 6,500 ft.	**31-338**

Powr-Fish® Pull Line



- Heavy-duty pull line for installing electrical and communication cables
- Continuous fiber polyline with 210 lb. tensile strength for demanding applications
- White color with a blue tracer for clear visibility
- Resistant to rot and mildew for long-term storage in conduit, if needed
- Can be blown or vacuumed directly into the conduit for fast wire pulling setup

Description	Tensile Strength	Length	Part No.
Powr-Fish® Pull-Line	210 lbs.	Canister of 500 ft.	**31-348**
		Bucket of 6,000 ft.	**31-340**

Powr-Fish® Pull Line



- Heavy-duty pull line for installing electrical and communication cables
- Continuous fiber polyline with 500 lb. tensile strength for demanding applications
- White color with a red tracer for clear visibility
- Resistant to rot and mildew for long-term storage in conduit, if needed
- Can be blown or vacuumed directly into the conduit for a fast wire pulling setup
- Packaging design prevents tangling and allows easy access during use

Description	Tensile Strength	Length	Part No.
Powr-Fish® Pull-Line	500 lbs.	Bucket of 2,200 ft.	**31-344**

Pro-Pull™ Rope

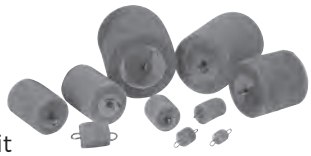


- Low-friction polypropylene rope slides easily through conduit
- Both rope ends looped
- Non-sliver surface can be handled without gloves
- Will not rot or mildew
- Rugged, lightweight construction

Description	Tensile Strength	Length	Part No.
1/4 in.	1,125 lbs.	Reel of 250 ft.	**31-839**
		Reel of 600 ft.	**31-840**
		Reel of 1,000 ft.	**31-841**
3/8 in.†	2,430 lbs.	Reel of 250 ft.	**31-844**
		Reel of 600 ft.	**31-845**
		Reel of 1,200 ft.	**31-846**
1/2 in.†	3,780 lbs.	Reel of 250 ft.	**31-849**
		Reel of 600 ft.	**31-850**
		Reel of 1,200 ft.	**31-851**
5/8 in.†	5,580 lbs.	Reel of 600 ft.	**31-853**
		Reel of 1,200 ft.	**31-854**
3/4 in.†	7,650 lbs.	Reel of 300 ft.	**31-855**
		Reel of 600 ft.	**31-856**
		Reel of 1,200 ft.	**31-857**

† Eye splice on working end.

Foam Carriers



- Attach to a suitable line to serve as a piston – clears out water or debris as they travel through conduit
- Durable foam construction for repeated use and long life
- For use with any type of blower or vacuum system

Description	Quantity	Part No.
1/2 in. Foam Carrier	Bag of 1	**31-316**
	Bag of 5	**31-466**
3/4 in. Foam Carrier	Bag of 1	**31-317**
	Bag of 5	**31-467**
1 in. Foam Carrier	Bag of 1	**31-318**
	Bag of 5	**31-468**
1-1/4 in. Foam Carrier	Bag of 1	**31-319**
	Bag of 3	**31-469**
1-1/2 in. Foam Carrier	Bag of 1	**31-320**
	Bag of 2	**31-470**
2 in. Foam Carrier	Bag of 1	**31-321**
	Bag of 2	**31-471**
2-1/2 in. Foam Carrier	Bag of 1	**31-322**
3 in. Foam Carrier		**31-323**
3-1/2 in. Foam Carrier		**31-324**
4 in. Foam Carrier		**31-325**
5 in. Foam Carrier		**31-326**
6 in. Foam Carrier		**31-327**

CONDUIT BENDERS

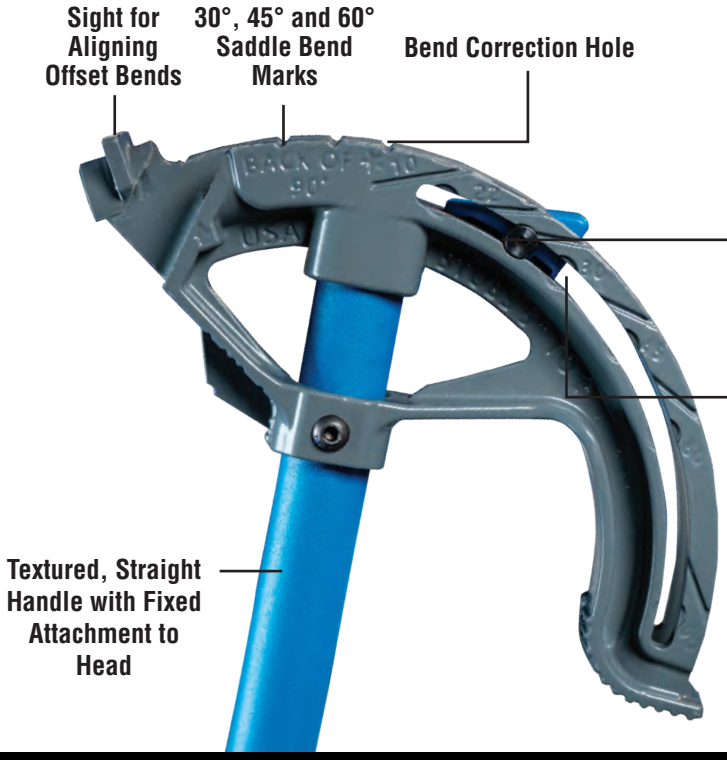
Guardian™ Bender w/Handle

- Adjustable angle stopper – choose from 22-, 30-, 45-, 60-, or 90-degree angles and lock the adjustable slider at your desired degree
- Bend correction hole incorporated into the head to achieve your desired angles consistently
- User-friendly design that enhances all electricians' skills with easy access to interactive tutorials in the BILT app
- Durable ductile iron head construction
- Upgraded handle designed to endure tough conditions and doubles as a straight edge guide when working with metal pipes
- This product is guaranteed to be free from defects in material and workmanship for as long as you own this product.



EMT Size	Replaceable Kit Stopper	Part No. (head and handle)
1/2 in. EMT	**74-054**	**74-056**
3/4 in. EMT	**74-055**	**74-057**

MADE IN USA





Preset Angle Stopper with Onboard Storage
Push-button, spring-loaded lock to set position for 10˚, 22.5˚, 30˚, 45˚, 60˚ and 90˚ bends.

Tap. Zoom. Rotate.

Scan for easy 3D interactive instructions on the BILT app for faster completion.

Download on the App Store | GET IT ON Google Play

BILT®



- 3D instructions and explanation.
- Real examples showing steps and calculations.
- Free app to download and use.
- QR Code will be incorporated into bender labels on each product.

Conduit Hand Benders

Bender Heads

- Available in ductile iron and aluminum heads
- Exceptional, durable, materials for extra strength
- Reinforced at stress points to provide longer life
- Markings are raised and cast into the bender body on both sides for easy visibility
- Deeply serrated step helps prevent slippage when applying force
- Grooved internal hook surface helps prevent conduit from slipping
- Flat hook surface provides stable starting point
- Desirable bending system

#1 BRAND* IN HAND BENDERS

*According to Electrical Distribution Vista data (Q3, 2020).

Handles

- Rugged, steel construction for long-term durability
- Baked-on blue enamel finish resists corrosion and enhances visibility
- Convenient bending guide for offset bends

	Conduit Type and Size	Part No. (head only)	Part No. (handle only)	Part No. (head and handle)
 **Ductile Iron**	1/2 in. EMT	**74-001**	**74-019**	**74-026**
	3/4 in. EMT, 1/2 in. Rigid & 1/2 in. IMC	**74-002**	**74-019**	**74-027**
	1 in. EMT, 3/4 in. Rigid & 3/4 in. IMC	**74-003**	**74-020**	**74-028**
	1-1/4 in. EMT, 1 in. Rigid & 1 in. IMC	**74-006**	**74-021**	**74-034**
 **Aluminum**	1/2 in. EMT	**74-031**	**74-019**	**74-046**
	3/4 in. EMT, 1/2 in. Rigid & 1/2 in. IMC	**74-032**	**74-019**	**74-047**

Bender/BenderBoot™ Combos

- Compatible with 1/2 in. and 3/4 in. conduit bender handles
- Grooved patented foot provides stability and leverage
- Textured tread and hand grip provides support for saddle and offset bends
- Easy push-on assembly
- Perfect for air bending saddle and offset bends

	Description	Part No.
	1/2 in. EMT Ductile Iron Bender (74-026) w/BenderBoot™	**74-126**
	3/4 in. EMT, 1/2 in. Rigid & 1/2 in. IMC Iron Bender (74-027) w/ BennderBoot™	**74-127**
	BenderBoot™	**74-037**



74-034
1-1/4" EMT
1" Rigid
1" IMC



74-028
1" EMT
3/4" Rigid
3/4" IMC

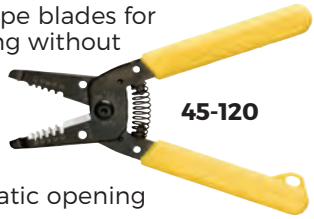


74-027
3/4" EMT
1/2" Rigid
1/2" IMC



74-026
1/2" EMT

T®-Stripper Wire Strippers

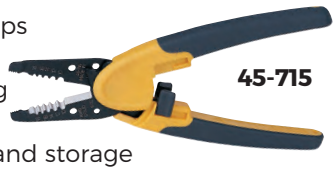


- Form-ground, knife-type blades for accurate, easy stripping without nicking conductor
- Laser-etched wire gauge for easy-to-read visibility
- Spring-loaded automatic opening
- Corrosion-resistant, black oxide finish
- Tough steel construction

Description	Solid	Stranded	Part No.
T®-5 T®-Stripper Wire Stripper	10-18 AWG	12-20 AWG	**45-119***
T®-5 T®-Stripper Wire Stripper			**45-120**
T®-6 T®-Stripper Wire Stripper	14-24 AWG	16-26 AWG	**45-121**
T®-7 T®-Stripper Wire Stripper	22-30 AWG	24-32 AWG	**45-125**
T®-8 T®-Stripper Wire Stripper	6-14 AWG	8-16 AWG	**45-124**
T®-Stripper Wire Stripper – Metric	0,75-6mm²		**45-120-341**
T®-Stripper Wire Stripper – Metric	0,5-4mm²		**45-125-341**

*Handle contains red, white and blue grips.

Kinetic® Super Wire Strippers



- Non-slip textured grips and thumb rest
- Plier nose for holding and twisting wires
- Slide lock for safety and storage
- Thumb and finger valley makes stripping easy and accurate

Description	Solid	Stranded	Part No.
Kinetic® Super Wire Stripper	10-18 AWG	12-20 AWG	**45-715**
	14-24 AWG	16-26 AWG	**45-716**
	6-14 AWG	8-16 AWG	**45-718**

Kinetic® Reflex™ T®-Stripper Wire Strippers



- Non-slip textured grips and thumb rest
- Plier nose for holding and twisting wires
- Slide lock for safety and storage
- Thumb and finger valley makes stripping easy and accurate

Description	Solid	Stranded	Part No.
Kinetic® Reflex™ T®-Stripper Wire Stripper	10-18 AWG	12-20 AWG	**45-915**
	6-14 AWG	8-16 AWG	**45-918**

Reflex™ Super T®-Stripper Wire Strippers

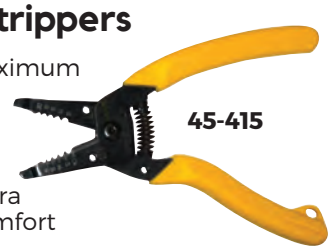


- 6/32 and 8/32 self-chasing screw-cutting holes
- Ergonomic design for maximum comfort
- Curved handles help reduce wrist fatigue
- Textured sleeves with extra cushioning for added comfort

Description	Solid	Stranded	Part No.
Reflex™ Super T®-Stripper Wire Stripper	8-16 AWG	10-18 AWG	**45-615**
			45-619*
	10-18 AWG	12-20 AWG	**45-655**
	6-14 AWG	8-16 AWG	**45-618**
Reflex™ Super 12/2 & 14/2 NM Cable T®-Stripper Wire Stripper	12/2 and 14/2 AWG	–	**45-621**

*Handle contains red, white and blue grips.

Reflex™ Premium T®-Stripper Wire Strippers



- Ergonomic design for maximum comfort
- Curved handles help reduce wrist fatigue
- Textured sleeves with extra cushioning for added comfort

Description	Solid	Stranded	Part No.
Reflex™ Premium T®-Stripper Wire Stripper	10-18 AWG	12-20 AWG	**45-415**
	14-24 AWG	16-26 AWG	**45-416**
	22-30 AWG	24-32 AWG	**45-417**
	6-14 AWG	8-16 AWG	**45-418**
Reflex™ Premium T®-Stripper – Metric	0,5mm²-4,0mm²		**45-425-341**

Forged Heavy-Duty Wire Strippers



- 6-32/8-32 screw cutting hole
- Precision stripping holes with heavy duty plier nose and recessed holes for low profile bolt cutting
- Wide nose to twist multiple wires simultaneously
- Unique plier head design to ream conduit
- Crimper
- Ergonomic Smart Grip textured handles for improved grips

Description	Solid	Stranded	Part No.
Wire Stripper	8-16 AWG	10-18 AWG	**45-110**
Dual NM Wire Stripper	12/2 & 14/2	–	**45-112**
Long Nose Wire Stripper	10-18 AWG	12-20 AWG	**45-113**

T®-Stripper Wire Strippers (Stainless Steel)



- 6/32 and 8/32 self-chasing screw-cutting holes
- Ergonomic design for maximum comfort
- Curved handles help reduce wrist fatigue
- Textured sleeves with extra cushioning for added comfort

Description	Solid	Stranded	Part No.
T®-Stripper Wire Stripper	10-20 AWG	12-22 AWG	**45-220**
Reflex™ Super T® Stripper Wire Stripper	10-18 AWG	16-26 AWG	**45-221**
Reflex™ Super T® Stripper Dual NM Wire Stripper	12/2 & 14/2	—	**45-222**

NM Cable Dual-Hole T®-Stripper Wire Strippers



- Stripping holes for stripping two 12 AWG or two 14 AWG wires simultaneously

Description	Solid	Part No.
Premium T®-14 T®-Stripper Wire Stripper	12 or 14 AWG	**45-247**
14/2 NM Cable T®-Stripper Wire Stripper		**45-248**
12/2 NM Cable T®-Stripper Wire Stripper		**45-249**

Lil' Ripper Stripper™



- Rips outer jacket of NM cable cleanly and quickly
- Clips outer sheathing to remove excess wire jacket
- V-Notch strips inner wires
- Looping holes loop wire for screw-on connections

Description	Part No.
Lil' Ripper Stripper™	**45-025**

V-Notch Stripper



- Cuts copper or aluminum wire, solid or stranded
- Rotating cam wheel adjusts to strip 10-24 AWG wire
- Looping holes for solid wire

Description	Part No.
V-Notch Stripper	**45-101**

Combo Tool



- Convenient, multi-function tool features precision-ground stripping holes and knife-to-anvil cutting blades
- Crimps bare and insulated terminals
- Cuts unhardened bolts (4-40, 6-32, 8-32, 10-24 and 10-32) and reforms threads

Description	Solid	Stranded	Part No.
Combo Tool	8-20 AWG	10-22 AWG	**30-428**

Multi-Crimp Strip Tool



- Cuts wire
- Crimps insulated and non-insulated wires
- Cuts bolts
- Strips 10-22 AWG wire

Description	Part No.
Multi-Crimp Strip Tool	**45-778**

7-in-1 Stripper



- Versatile, seven-function tool features precision-ground stripping blades, cushioned grips and plier nose
- Crimps bare and insulated terminals for 10–22 AWG wire, RG-59 coax connectors and 7 to 8mm auto ignition connectors
- Cuts unhardened wire, bolts and screws (4-40, 6-32, 8-32, 10-24 and 10-32) and reforms threads
- Cuts stranded, solid, NM wire and U.F. wire to 8 AWG

Description	Solid	Stranded	Part No.
7-in-1 Stripper	6-16 AWG	8-18 AWG	**45-777**

T®-Cutter Wire Cutter



- Hardened steel, sheer-type blades
- Spring-loaded automatic opening
- Convenient plier nose for extra gripping strength
- Corrosion-resistant, black oxide finish
- Tough steel construction

Description	Part No.
T®-Cutter Wire Cutter	**45-123**

Data T®-Cutter Wire Cutter



- Cuts round communication cable and maintains cable geometry for better cable performance
- Cuts multi-pair cable up to .500 in. (12.7mm) and coaxial cable up to RG-9/U
- Suitable for soft cables (not ACSR)
- Steel reinforced center conductors can be trimmed with bolt cutting holes
- Cushioned comfort grip handles
- Locking latch keeps tool closed in pouch

Description	Part No.
Data T®-Cutter	**45-074**

Cable Ripper



- Slits NM cable wire sheathing before stripping wires
- Quick, clean and easy end or mid-run removal of jacket
- Convenient built-in wire gauge

Description	Part No.
Side Entry Cable Ripper	**45-118SRS**

Underground Feeder (UF) Cable Stripper

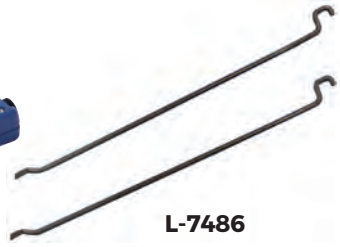


- Self-adjusting stripping blades automatically select proper position
- Strips 12/2 AWG solid to 14/2 AWG Underground Feeder (UF) Cable
- Strips Twin and Earth cable
- Open-throat construction allows unlimited strip length
- Neatly removes outer cable sheath and inner wire sheathing to desired lengths
- Lightweight, ergonomic design helps reduce user fatigue

Description	Part No.
Underground Feeder Cable Stripper	**45-235**
Replacement Blades	**45-234**

Round Cable Slitting and Ringing Tools







- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.50 in. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

Description	Replacement Blades	Part No.
Cable Stripper for 1/4 in. to 3/4 in. O.D.	**L-7486***	**45-128**
Cable Stripper for 3/4 in. to 1-1/2 in. O.D.		**45-129**

*Two Blades/package

IDEAL Wipes Multi-Purpose Towels



- Durable pre-moistened fabric scrubs without tearing
- Cleans dirt, grease, lube and grime from most surfaces
- Infused with natural hand moisturizers and Vitamin E, orange citrus scent
- Meets California C.A.R.B. standards

Description	Part No.
IDEAL Wipes, 12 in. x 9 in. (Can of 82 wipes)	**38-500**
IDEAL Wipes Canister Bracket	**38-500BR**

Linesman Pliers

- Knife-to-knife blades provide excellent cutting performance
- Cuts hardened wire, bolts and stainless steel wire



30-3435 30-435

Description (Smart-Grip™ Handles)	Part No.
9-1/2 in. Linesman Pliers w/New England nose, crimping die and fish tape puller	30-3435
9-1/2 in. Linesman Pliers	30-3455
Description (Dipped-Grip Handles)	**Part No.**
9-1/2 in. Linesman Pliers w/New England nose, crimping die and fish tape puller	30-435
9-1/2 in. Linesman Pliers	30-455

Multi-Crimp Tools

- Crimps bare or insulated terminals and splices on 10–22 AWG wire
- Knife-to-anvil blades provide long-lasting cutting performance
- High leverage for easy crimping and cutting
- Drop-forged, high-carbon steel construction



30-3429 30-429

Description (Smart-Grip™ Handles)	Part No.
9-3/4 in. Multi-Crimp Tool	30-3429
Description (Dipped-Grip Handles)	**Part No.**
9-3/4 in. Multi-Crimp Tool	30-429

Long-Nose Pliers

- Narrow profile head designed for working in tight areas
- Serrated jaws provide secure gripping surface
- Drop-forged, high-carbon steel construction
- Blades provide excellent cutting performance
- Laser-hardened blades cut hardened wire, bolts and stainless steel wire



35-3038 35-036

Description (Smart-Grip™ Handles)	Part No.
8-1/2 in. Long-Nose Pliers w/Cutter	35-3038
Description (Dipped-Grip Handles)	**Part No.**
6 in. Long-Nose Pliers w/Cutter	35-036
8-1/2 in. Long-Nose Pliers w/Cutter	35-038

Diagonal-Cutting Pliers

- Knife-to-knife blades provide excellent cutting performance
- High-leverage design provides more cutting power
- Models 35-029 and 35-3029 feature a convenient angled head for hard-to-reach areas and rocking out nails



35-3028 35-028

Description (Smart-Grip™ Handles)	Part No.
8 in. Diagonal-Cutting Pliers	30-3028
8 in. Diagonal-Cutting Pliers w/angled head	35-3029
Description (Dipped-Grip Handles)	**Part No.**
8 in. Diagonal-Cutting Pliers	30-028
8 in. Diagonal-Cutting Pliers w/angled head	30-029

Tongue & Groove Pliers

- Reinforced flange protects against breakage
- Drop-forged, high-carbon steel construction



35-3420 35-420

Description (Smart-Grip™ Handles)	Jaw Opening	Part No.
9-1/2 in. Tongue & Groove Pliers	2 in.	35-3420
Description (Dipped-Grip Handles)	**Jaw Opening**	**Part No.**
7 in. Tongue & Groove Pliers	1 in.	35-426
9-1/2 in. Tongue & Groove Pliers	2 in.	35-420
12 in. Tongue & Groove Pliers	2-1/4 in.	35-440

Cable Cutters

- Drop-forged, high-carbon steel construction
- Precision-ground, hardened cutting edges provide accurate cuts without cable distortion
- Cuts 2/0 copper and 4/0 aluminum (not for use on ACSR)



35-3052 35-052

Description (Smart-Grip™ Handles)	Part No.
9-1/2 in. Cable Cutter	35-3052
Description (Dipped-Grip Handles)	**Part No.**
9-1/2 in. Cable Cutter	35-052

Slip-Joint Pliers

- Two position slip joints fit large and small jobs
- Dipped comfort-grip handles for a secure grip
- Flush rivet



35-100

Description	Part No.
6 in. Slip Joint Pliers	35-100
8 in. Slip Joint Pliers	35-102

Adjustable Wrenches

- Forged steel construction with narrow profile head reaches into tight spaces
- Tight tolerance on thumbscrew will not loosen or wobble with use



35-021

- Extra wide jaw capacity with standard and metric markings

Description	Jaw Capacity	Part No.
6 in. Adjustable Wrench	7/8 in.	35-019
8 in. Adjustable Wrench	1-1/8 in.	35-020
10 in. Adjustable Wrench	1-5/16 in.	35-021
12 in. Adjustable Wrench	1-1/2 in.	35-022

Utility Knife

- Quick-change retractable blade system — no disassembly required
- Built in pull-line cutter
- Includes three blades in storage compartment



Description	Replacement Blades	Part No.
Utility Knife	35-301*	35-300

*Five universal blades per package.

Pocket Knives

- 2-1/4 in. blade locks in position
- High-carbon stainless steel blade construction for extra strength and durability
- Durable non-slip handle
- Brass liners

35-285



35-287



Description	Blade Type	Part No.
Electrician's Knife	Spear point and Screwdriver	35-285
Linesman Jack Knife	Sheepfoot	35-287

Hex-Key Sets

- High-quality steel construction
- Dual-durometer, slip-resistant grip

35-147





35-146

Description	Part No.
4 in. handle w/nine 3-in. keys (5/64 in., 3/32 in., 7/64 in., 1/8 in., 9/64 in., 5/32 in., 3/6 in., 7/32 in. & 1/4 in.)	35-146
5-1/4 in. handle w/five 5-in. keys (3/16 in., 7/32 in., 1/4 in., 5/16 in. & 3/8 in.)	35-147

Folding Saw

- Light-weight, heavy-duty die cast construction
- Ergonomic rubber comfort grip
- Blade safely and conveniently folds down in handle
- Accepts most standard 6 in. recip blades



Description	Part No.
Folding Saw	35-274

Jab Saw

- Ergonomic, textured non-slip grip w/plunge-tip design
- Wallboard blade
- Weighted head provides superior balance



Description	Part No.
Jab Saw	35-275

Heavy-Duty Hacksaw

- Cushioned ergonomic grip for performance and comfort
- Rugged frame provides lightweight rigidity and exceptional control



- Includes 12 in. x 24T bi-metal blade, stores up to nine extra blades
- Blades can be adjusted to 55˚ angle for flush cutting and tensioned to 30,000 psi

Description	Part No.
Heavy-Duty Hacksaw	35-260

Ergonomic Hacksaw

- Angled handle for easier cutting
- Bi-metal blade can easily be adjusted for flush cutting



- Easy tensioning wing-nut keeps blades tight for straighter cuts
- Cushioned ergonomic grip for performance and comfort

Description	Part No.
Ergonomic Hacksaw with 12 in. x 24T	35-261

Hacksaw Blades



- Bi-metal blades provide strength, flexibility and long life

Description	Quantity	Part No.
12 in. x 18T Blades	Box of 100	**35-262**
12 in. x 32T Blades		**35-264**

SirNickless™ Cutter



35-782

35-781

- Handles all common BX, MCAP®, MC and Flex cables
- Blade cuts armor without damage to internal conductors
- Splices cleanly through casings with only a few turns
- Handle knob stores up to six replacement blades (Cutter comes with one blade installed.)

Description	Quantity	Part No.
Rotary Armored Cable Cutter	—	**35-782**
Replacement Blades	Card of 5	**35-781**
	Card of 1	**35-781-1**

MCAP® is a registered trademark of Southwire Company.

Drop-Forged Hammer



- One-piece drop-forged, tempered-steel polished head and handle
- Long, straight claws simplify removal of electrical fixtures
- Comfortable, perforated anti-vibe grips

Description	Part No.
18 oz. x 12-1/2 in. Drop-Forged Handled Hammer	**35-210**

30 ft. Measuring Tape Measure w/Magnetic Tip



- Dual-sided markings
- Blade automatically stays out when extended
- Push button for smooth blade retraction
- Comfortable, shock-resistant rubber grip

Description	Tape Width	Part No.
Auto-Lock Tape Measure	1 in.	**35-238**

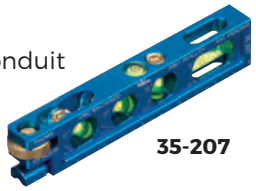
Torpedo Level



- 9 in. aluminum frame with magnetic and V-grooved edges
- Windows provide easy reading of plumb level and 45˚ angle
- Three rare earth magnets for strong cling to conduit

Description	Part No.
9 in. Torpedo Level	**35-205**

Precision Levels



35-207

- Integrated Thumb Winder™ conduit wheel and contoured screw prevents doglegs
- Rare earth magnets provide maximum holding strength
- V-groove base stable conduit mounting

Description	Part No.
3.5 in. Precision Level	**35-206**
6 in. Precision Level	**35-207**
8 in. Precision Level	**35-208**

Ratchet Crimp Tool



- Crimps insulated or bare terminals and splices on 10–22 AWG wire
- Ratchet action prevents release prior to crimp connection – helps ensure uniform crimps
- Vinyl-coated handles provide a solid, comfortable grip

Description	Part No.
Ratchet Crimp Tool	**83-001**

Four-Way Crimp Tool



- Design ensures even compression and reliable connections
- Spring-loaded, cam-actuated plungers
- Fingertip adjustment for two connector sizes

Description	Part No.
Four-Way Crimp Tool for use with Buchanan 2006S and 2011S Crimp Connectors	**C24**

Mechanical Indenter and Crimp Tool



- Use with aluminum (6 AWG to 4/0) and copper (8 AWG to 250 KCMIL) wires
- Adjustable crimping nests with clearly marked gauges
- Lightweight, easy to operate
- Rugged cast steel for durability

Description	Part No.
Mechanical Indenter & Crimp Tool	**88-843**

Aviation Tin Snips



- Labor-saving design cuts straight, left and right, with one tool
- Chrome-molybdenum steel forged blades for strength and durability
- Serrated edges ensure stable hold when cutting

Description	Part No.
Aviation Tin Snips	**35-001**

Big Kahuna™ Cable Cutter



- Fits most standard power drills
- Jaw opening of 3-1/2 in.
- Cuts copper cable up to 1250 MCM and aluminum cable up to 1250 MCM

(Drill not included)

- Specially hardened, rounded blades minimize cable distortion for professional quality

Description	Replacement Blade*	Part No.
Big Kahuna™ Cable Cutter	**KB-0276R**	**35-076**

*Two blades per package, 1 upper blade and 1 lower blade.

PowerBlade™ 750 Cable Cutter



- Fits most standard power drills
- Jaw opening of 1-1/2 in.
- Cuts copper cable up to 750 MCM and aluminum cable up to 1000 MCM

(Drill not included)

- Specially hardened, rounded blades minimize cable distortion for professional quality

Description	Replacement Blade*	Part No.
PowerBlade™ 750 Cable Cutter	**K-8906R**	**35-078**

*Two blades per package, 1 upper blade and 1 lower blade.

PowerBlade™ Cable Cutter Replacement Parts



H-3400



K-8909



H-3507

Replacement Parts	Part No.
Gearbox Assembly	**H-3400**
PowerBlade™ Replacement Folding Assembly	**H-3507**
PowerBlade™ Replacement Torque Arm Assembly	**K-8909**

BigFoot™ Ratcheting Cable Cutter



- Designed to cut 750 MCM and smaller hard-drawn copper and aluminum cables
- Hardened steel blades ensure consistent cuts and long-term durability
- Rounded blade design minimizes cable distortion during cutting
- Quick release mechanism simplifies blade back-out
- Locking mechanism keeps handles closed for easy storage
- Molded-in foot provides stability and leverage when making multiple cuts

Description	Part No.
750 MCM Ratcheting Cable Cutter*	**35-053**
Replacement blade (movable side only)	**35-057**

*Max. Jaw Opening - 2 in. Not for cutting steel or ACSR.

Ratcheting Cable Cutter



- Cuts hard drawn copper up to 400 MCM and soft copper, aluminum and multiple conductor cable up to 600 MCM
- Hardened steel blades ensure consistent cuts and long-term durability
- Rounded blade design minimizes cable distortion during cutting
- Quick release mechanism simplifies blade back-out
- Locking mechanism keeps handles closed

Description	Part No.
400 MCM Ratcheting Cable Cutter*	**35-056**

*Max. Jaw Opening - 2 in. Not for cutting steel or ACSR.

Long-Arm Cable Cutters



- High strength forged blades for ultimate durability
- Precision-ground jaws make clean cuts with minimal cable distortion
- Replaceable blades
- For copper and aluminum only.
- Not designed for steel or ACSR.

Description	Length	Part No.
250 MCM	14 in.	**35-031**
500 MCM	22 in.	**35-032**
1000 MCM	32 in.	**35-033**

CAUTION: Comfort-grip handles are not designed for protection against electrical shock. Do not use on live circuits.

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



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**

SEE WWW.IDEALELECTRICALINC.COM FOR WARRANTY INFORMATION.

TWIST-A-NUT™ SCREWDRIVERS



- Patented Wire Connector Wrench accepts a wide variety of connectors and reduces finger fatigue
- Ergonomic, slip-free textured grip provides excellent torque and is impervious to perspiration, gas, oil and chemicals
- Accu-Loop™ wire looping holes make perfect loops.

7-in-1 Twist-a-Nut™ Screwdriver



- Handle interchangeable with conduit deburrer head (#35-096) and 6-in-1 Tap Tool (#35-922)
- Bits included: 1/4 in. & 3/16 in. Slotted, #1 & #2 Phillips, 1/4 in. & 5/16 in. Nut Driver

Description	Part No.
7-in-1 Screwdriver/Nut Driver	**35-908**
1/4 in. Slotted - #2 Phillips Replacement Bit	**35-911**
Replacement Handle	**K-8964**

21-in-1 Twist-a-Nut™ Ratcheting Screwdriver



- Pro-quality, 28 tooth, all metal ratchet handles 225 lbs. of torque without failure
- Multiple bit storage unit in handle
- Bits included: #1, #2 & #3 Phillips, 3/16 in., 1/4 in. & 5/16 in. Slotted, #1 & #2 Square, #15, #20, #25 & #30 Star, 3/32 in., 1/8 in., 3/16 in. & 5/32 in. Hex, 1/4 in. 5/16 in. & 7/16 in. Nut Driver

Description	Part No.
21-in-1 Screwdriver	**35-688**

9-in-1 Ratch-a-Nut™ Screwdriver



- Pro-quality, 28 tooth, all metal ratchet handles 225 lbs. of torque without failure
- Bits included: 1/4 in. & 3/16 in. Slotted, #1 & #2 Phillips, 1/4 in., 5/16 in. & 7/16 in. Nut Driver

Description	Part No.
9-in-1 Ratch-a-Nut™ Screwdriver	**35-988**
1/4 in. Slotted - #2 Phillips Replacement Bit	**35-911**

6-in-1 Twist-a-Nut™ Tap Tool



- Forms new threads, re-forms burred threads and cleans out obstructions
- Reversible, high-carbon tap with three clearly marked thread sizes on each end
- Handle is interchangeable with 7-in-1 Screwdriver (#35-908) and Conduit Deburrer (#35-083)
- Includes: 6-32, 8-32 & 10-32 on one tapping side and 10-24, 12-24 & 1/4-20 on other side

Description	Part No.
6-in-1 Tapping Tool	**35-922**
Replacement Handle	**K-8964**
Replacement collar and six taps	**35-923**

Twist-a-Nut™ Conduit Deburring Tools



- Deburrs inside and outside edges of 1/2 in., 3/4 in. and 1 in. thin wall conduit
- Hooded tip tightens EMT fitting set screws without slipping
- Square tip "seats" much more quickly on fitting screws than slotted version
- Head removes and is interchangeable with IDEAL 7-in-1 Twist-a-Nut™ Screwdriver shaft (#35-908)
- Head can be used at low speed setting in drill or cordless screwdriver

Description	Tip Type	Part No.
Conduit Deburring Tool	Slotted	**35-083**
Conduit Deburring Tool	#2 Square	**35-075**
Replacement Handle	—	**K-8964**
Conduit Deburring Tool (head only)	Slotted	**35-096**
Conduit Deburring Replacement Blade	—	**35-097**
Conduit Deburring Tool (head only)	#2 Square	**35-098**

Twist-a-Nut™ Pro Electrician's Screwdrivers



- Vapor-blasted tip improves screw grip
- Tough, chrome vanadium steel shank

Description	Part No.
#2 x 6 in. Square	**30-330**
1/4 in. x 4 in. Slotted	**30-331**
1/4 in. x 6 in. Slotted Cabinet Tip	**30-333**

Twist-a-Nut™ Conduit Wiring Kit



- Includes:
  - Twist-a-Nut™ Screwdriver (35-908), Deburring Head Square Tip (35-098), Tap Tool Shaft (35-923)
  - Three Spare Bits – 1/4 in. Slotted & #2 Square, 3/16 in. Slotted & #1 Square, #10 & #15 Star
  - 8-Pocket Carrying Pouch (35-927)
- Nylon carrying pouch with metal belt clip

Description	Part No.
Conduit Wiring Kit	**35-926**
Carrying Pouch only	**35-927**

CUSHIONED-GRIP SCREWDRIVERS

- Cushioned-grip provides comfort and maximum torque
- Blasted tip helps prevent plate chipping
- Nickel chrome steel shank for maximum strength and durability
- FastFinder™ icon shows tip type on handle end



Phillips



Description	Blade Length	Handle Length	Overall Length	Part No.
#1 Phillips	3 in.	3-3/4 in.	6-3/4 in.	**35-193**
#2 Phillips	4 in.	4-5/16 in.	8-5/16 in.	**35-194**
#2 Phillips	6 in.	4-5/16 in.	10-5/16 in.	**35-195**
#3 Phillips	6 in.	5-23/64 in.	11-23/64 in.	**35-196**

Cabinet



Description	Blade Length	Handle Length	Overall Length	Part No.
3/16 in. shank and tip	3 in.	3-3/4 in.	6-3/4 in.	**35-183**
	4 in.		7-3/4 in.	**35-184**
	6 in.		9-3/4 in.	**35-186**
	8 in.		11-3/4 in.	**35-188**
	10 in.		13-3/4 in.	**35-190**

Heavy-Duty Cabinet



Description	Blade Length	Handle Length	Overall Length	Part No.
1/4 in. shank and tip	4 in.	4-5/16 in.	8-3/8 in.	**35-150**
	6 in.		10-3/8 in.	**35-151**
	8 in.		12-3/8 in.	**35-152**

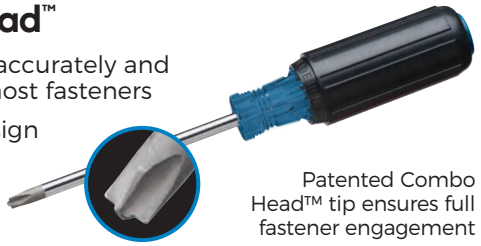
Square



Description	Blade Length	Handle Length	Overall Length	Part No.
#0 Square	4 in.	4-5/16 in.	8-5/16 in.	**35-690**
#1 Square	4 in.		8-5/16 in.	**35-691**
#1 Square	8 in.		12-5/16 in.	**35-692**
#2 Square	4 in.		8-5/16 in.	**35-693**
#3 Square	4 in.		8-5/16 in.	**35-695**

Combo Head™

- Designed to accurately and securely fit most fasteners
- Patented design



Patented Combo Head™ tip ensures full fastener engagement

Description	Blade Length	Handle Length	Overall Length	Part No.
Combo Head™ Screwdriver	4 in.	4-5/16 in.	8-5/16 in.	**35-204**

11-in-1 Screwdriver/Nut Driver



- Cushioned grip for comfort and performance
- Accu-Loop™ Wire looping holes
- Includes: 1/4 in. & 3/16 in. Slotted, #2 & #1 Phillips, #1 & #2 Square, #15 & #10 Star, 5/16 in. & Nut Driver

Description	Part No.
11-in-1 Screwdriver/Nut Driver	**35-910**

7-in-1 Nut Driver



- Includes: 3/16 in., 5/16 in., 3/8 in., 9/16 in., 1/4 in., 11/32 in. & 7/16 in. Nut Driver bits

Description	Handle Length	Overall Length	Part No.
7-in-1 Nut Driver	5.125 in.	7-1/2 in.	**35-919**

Awl



- Heavy-duty construction for piercing, punching and scribing

Description	Blade Length	Handle Length	Overall Length	Part No.
Awl	3 in.	3-3/4 in.	6-3/4 in.	**35-202**

Grip-n-Screw™ Screwdriver



- Holds screw when collar is extended
- Non-magnetic screw-holding screwdriver

Description	Blade Length	Handle Length	Overall Length	Part No.
3/16 in. Slotted Grip-n-Screw™ Screwdriver	5-7/8 in.	3-3/4 in.	9-5/8 in.	**35-406**
#2 Phillips Grip-n-Screw™ Screwdriver	6-7/8 in.	4-15/16 in.	11-1/4 in.	**35-404**

Quick-Change Screwdriver



- Patented Sure-Loc™ Quick Change chuck securely holds bits
- Built-in bit storage container in handle holds up to five extra insert bits
- Bits fit most standard multi-bit screwdrivers
- E-Z Spin™ high torque rotating flip cap

Description	Blade Length	Handle Length	Overall Length	Part No.
Quick Change Screwdriver (Driver only)	3-1/16 in.	4-3/16 in.	7-1/4 in.	**35-932**

Slim Electronics Screwdrivers

- Designed for maximum handling comfort when working in tight areas
- Tough, chrome vanadium steel shank
- Phosphate tip for long life
- Color-coded cap for easy identification



Description	Blade Length	Handle Length	Overall Length	Part No.
Cabinet, 3/32 in.	2-1/2 in.	3-9/16 in.	6-1/16 in.	**36-240**
	3 in.		6-9/16 in.	**36-241**
Cabinet, 1/8 in.	4 in.		7-9/16 in.	**36-242**
	6 in.		9-9/16 in.	**36-243**
Cabinet, 5/32 in.	4 in.		7-9/16 in.	**36-244**
	6 in.		9-9/16 in.	**36-245**
Phillips, #0	2-1/2 in.		6-1/16 in.	**36-246**
7-Piece Set includes one each of 36-240 thru 36-246				**36-248**
4-Piece Set includes one each of 36-240, 36-241, 36-242, & 36-246				**36-249**

Adjustable Torque Screwdriver

- Includes adjustable torque range of up to 36 in. lbs. (bi-directional accuracy, +/- 6%)
- Used for assembly and maintenance applications in accordance to 2017 NEC
- Unique torque limiting clutch disengages once preset torque is reached
- Kit contains: Torque Screwdriver #1, #2 Phillips Bits, #1 and #2 Square Bits, and 1/4 in., 3/16 in. Slotted Bits





Description	Part No.
Adjustable Torque Screwdriver Kit, 0-36 in. lbs.	**35-936**
Adjustable Torque Screwdriver, 36 in. lbs.	**35-937**

Insulated Screwdrivers



Description	Blade Length	Part No.
1/4 in. Slotted Insulated Screwdriver	4 in.	**35-9150**
5/16 in. Slotted 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**

4-Piece Mini Cushioned-Grip Screwdriver Set

- Set Includes: #0 Phillips, 1/16 in. Keystone, 3/32 in. Cabinet and 1/8 in. Cabinet



Description	Part No.
4-Piece Screwdriver Set – **SOLD ONLY AS A SET**	**35-1301**

IDEAL® Pro Dual Compartment Backpack



- Total pockets: 18 pockets
- Molded plastic bottom for durability
- Padded straps for added comfort
- Includes tape chain, tape measure clip, fish tape holder, hard protective phone/sunglasses case, drill holster, removable tool pouch and dedicated laptop/tablet pocket
- Dimensions: 16 in. x 19 in. x 10-1/2 in.

Description	Part No.
Dual Compartment Backpack	**37-000**

IDEAL® Pro Large Mouth Bags



37-012

- Total pockets: 26 pockets
- Top opens completely for easy access to large tools
- Reinforced to hold itself open
- Hard protective phone/sunglasses case
- Features side pull straps for ease of transport
- Includes shoulder strap
- Includes tape chain and tape measure clip
- Dimensions: 37-012 18 in. x 11-1/2 in. x 11-1/2 in.
  37-011 16 in. x 11 in. x 9 in.

Description	Part No.
IDEAL® Pro Series Large Mouth Bag, 18 in.	**37-012**

IDEAL® Pro Series Flat Zipper Pouches



37-055

- Convenient storage for electrical tools
- Reflective strip for high visibility and labeling
- Light colored lining allows for easier identification of contents
- Grommet hole for hanging or combining with carabiner
- Dimensions: 37-050 12-1/2 in. x 7 in.
  37-055 12-1/2 in. X 7 in.

Description	Part No.
IDEAL® Pro Series Flat Zipper Pouch, 12-1/2 in.	**37-050**
IDEAL® Pro Series Flat Zipper Pouch, 4-Pack (Includes one each: Black, Blue, Red & Gray)	**37-055**

Supplies Apron



- Two pockets for connectors and fasteners, each 8 in. x 15 in.
- Natural duck construction

Description	Part No.
Supplies Apron	**35-474**

Pocket Pal® Tool Holster



- Protects pocket from sharp tools
- Doubles tool carrying capacity
- Can be worn in pocket or on belt

Description	Part No.
Pocket Pal® Tool Holster	**35-505**

DEADEYE™ Carbide-Tipped Hole Cutters



- Based on internal testing*, DEADEYE® cut twice as fast, and deliver double the number of cuts than the competition (*report dated 11/10/2020)
- One-piece design reduces vibration ensuring the most accurate cut
- Expanded cutting depth up to 6 gauge material with over 1" effective length
- Long life, SmoothStart™ pilot bit with DEADEYE finish provides a quick start and minimizes "walking"
- Multi-directional tooth design for the fastest cut through aggressive materials including stainless steel
- Multiple continuous cuts in aggressive materials without overheating
- Six-flat shank provides a quick and secure hold
- Compatible with DEADEYE Magnetic Chip Collector (model 36-815)

Carbide Hole Cutters

Hole Diameter	Application Diameter	Part No.
3/4 in. (19mm)	—	**36-800**
7/8 in. (22mm)	1/2 in. (22mm)	**36-801**
1 in. (25mm)	—	**36-802**
1-1/8 in. (29mm)	3/4 in. (19mm)	**36-803**
1-7/32 in. (30mm)	—	**36-813**
1-3/8 in. (35mm)	1 in. (25mm)	**36-805**
1-3/4 in. (44mm)	1-1/4 in. (32mm)	**36-808**
2 in. (51mm)	1-1/2 in. (38mm)	**36-809**
2-1/2 in. (64mm)	2 in. (50mm)	**36-810**
Replacement Pilot Bit		**36-812**

Carbide Hole Cutter Kits

Description	Part No.
4-Piece Kit – includes 7/8", 1-1/8", 1-3/8" and replacement pilot bit	**36-811**
8-Piece Kit – includes 7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2" and two replacement pilot bits	**36-814**



36-811



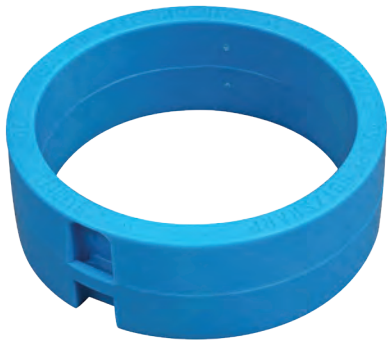
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Magnetic Chip Collector

The DEADEYE™ Magnetic Chip Collector securely attaches to magnetic surfaces and collects metal chips while cutting.

- Works with up to 2-1/2" diameter cutters
- Minimal profile provides improved visibility and access to workspace
- Integrated key chain loop

Description	Part No.
DEADEYE™ Magnetic Chip Collector	**36-815**



TKO™ Carbide-Tipped Hole Cutters

TKO™ Hole Cutters provide a fast, clean alternative to traditional knockouts, cutting sheet metal and stainless steel with carbide-tipped precision. Features include the SmoothStart™ replaceable pilot drill for accurate starts and an overdrill flange to prevent over-penetration. Built for quality, performance, and durability, TKO cutters are the professional's choice.



Hole Size	Conduit & Pipe Size	Part No.
3/4 in. (19mm)	—	**36-300**
7/8 in. (22mm)	1/2 in. (22mm) - push button	**36-301**
1 in. (25mm)	—	**36-302**
1-1/8 in. (29mm)	3/4 in. (19mm)	**36-303**
1-1/4 in. (32mm)	—	**36-304**
1-3/8 in. (35mm)	1 in. (25mm)	**36-305**
1-7/32 in. (30mm)	1-7/32 in. (30mm) - push button	**36-313**
1-7/16 in. (37mm)	—	**36-306**

Hole Size	Conduit & Pipe Size	Part No.
1-1/2 in. (38mm)	—	**36-307**
1-3/4 in. (44mm)	1-1/4 in. (32mm)	**36-308**
2 in. (51mm)	1-1/2 in. (38mm)	**36-309**
2-1/2 in. (64mm)	2 in. (50mm)	**36-310**
2-7/8 in. (73mm)	2-1/2 in. (64mm)	**36-315**
3-1/2 in. (89mm)	3 in. (76mm)	**36-316**
4 in. (102mm)	3-1/2 in. (89mm)	**36-317**
4-1/2 in. (114mm)	4 in. (102mm)	**36-318**

3/8 in. Shank on all hole cutters. Max. material thickness is 1/8 in.

8-Piece TKO™ Carbide-Tipped Hole Cutter Master Electrician's Kit



Description	Part No.
8-Piece Carbide Hole Cutter Kit	**36-314**
Kit Includes:	**Part No.**
7/8 In. Hole Cutter	**36-301**
1-1/8 in. Hole Cutter	**36-303**
1-3/8 in. Hole Cutter	**36-305**
1-3/4 in. Hole Cutter	**36-308**
2 in. Hole Cutter	**36-309**
2-1/2 in. Hole Cutter	**36-310**
SmoothStart™ Pilot Bit	**36-312**

Convenient carrying case included. Hex key size is 3mm.

4-Piece TKO™ Carbide-Tipped Hole Cutter Kit

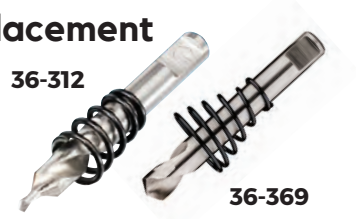


Description	Part No.
4-Piece Carbide Hole Cutter Kit	**36-311**
Kit Includes:	**Part No.**
7/8 In. Hole Cutter	**36-301**
1-1/8 in. Hole Cutter	**36-303**
1-3/8 in. Hole Cutter	**36-305**
SmoothStart™ Pilot Bit	**36-312**

Convenient carrying case included. Hex key size is 3mm.

SmoothStart™ Replacement Pilot Drill

- Guides cutter to surface providing a smoother start and cleaner holes



Fits Hole Saws:	Diameter	Drill Depth	Overall Length	Part No.
3/4 in. to 3-1/2 in.	1/4 in. (6mm)	3/4 in. (19mm)	2 in. (51mm)	**36-312**
4 in. and 4-1/2 in.	5/16 in. (8mm)	3/4 in. (19mm)	2-3/8 in. (60mm)	**36-369***

Drilling depth: 3/16 in. (5mm); Effective length: 1/2 in. (12mm)
*For use with 36-317 and 36-318.



IDEAL TKO™



Competitor

IDEAL provides smooth, precise holes (holes cut with 1-1/8 in. cutters)

Step Bits

IDEAL® Step Drill Bits are a quality choice for precise, repetitive drilling through the toughest materials including brass, carbon steel, cast iron, stainless steel, and more. These tough and reliable tools feature gradually blended steps to ease through the most common hole sizes saving time and money. All step bits include a split point tip design offering a quick start with minimal vibration. From advanced coatings to spiral flutes and quick change options, IDEAL step bits offer a full range line with advanced features to get the job done right the first time.

Spiral Flute Step Bits



- Made from M35 High Speed Steel with Cobalt for added strength and durability
- 1/4" hex shank for quick changing in cordless drill and impact drivers
- Titanium Nitride coating minimizes cooling time and extends bit life
- Laser engraved markings for easy identification of step size
- Spiral cut dual flute cutting edges allow for a faster cut and easy chip removal



36-701 **36-702** **36-703**



36-704 **36-705** **36-706**

#	Drill Diameter Sizes (In.)	No. of Steps	Step Increments (In.)	Step Thickness (In.)	Part No.
1	1/8 to 1/2	13	1/32	1/8	**36-701**
3	1/4 to 3/4	9	1/16	1/8	**36-702**
4	3/16 to 7/8	12	1/16	1/16	**36-703**
5	1/4 to 1	13	1/16	1/8	**36-704**
9	1/4 to 1-1/8	15	1/16	1/16	**36-705**
6	1/4 to 1-3/8	15	1/8	1/16 to 1/4	**36-706**
Spiral Step Bit Kit (36-701, 36-703, 36-705, 36-706)					**36-700**

Quick Change Step Bits



- Split-Point tip lasts longer and starts faster than competition
- High speed tool steel, double-tempered for superior tip life
- Double fluted and blended radius steps for smooth drilling
- 1/4" Quick change shank



35-521 **35-522** **35-523**

Drill Diameter Sizes (In.)	No. of Hole Sizes	Step Increments (In.)	Step Thickness (In.)	Shank Dia. (In.)	Part No.
1/8 to 1/2	13	1/32	1/8	1/4	**35-521**
1/4 to 7/8	11	1/16	1/16		**35-522**
1/4 to 1-1/8	16				**35-523**
3-Piece Quick-Change Step Bit Kit (35-521, 35-522, 35-523)					**35-524**

Drill Taps with SmoothStart™ Tip

The IDEAL® line of combination drill taps combines the tasks of drilling, tapping and deburring all into one. Providing an economical way to save you valuable time on the project.

Constructed out of High Speed Steel (HSS), the bit has balanced hardened tapping edges with ¼" hex shank that makes it compatible not only with cordless drills but also impact drivers.

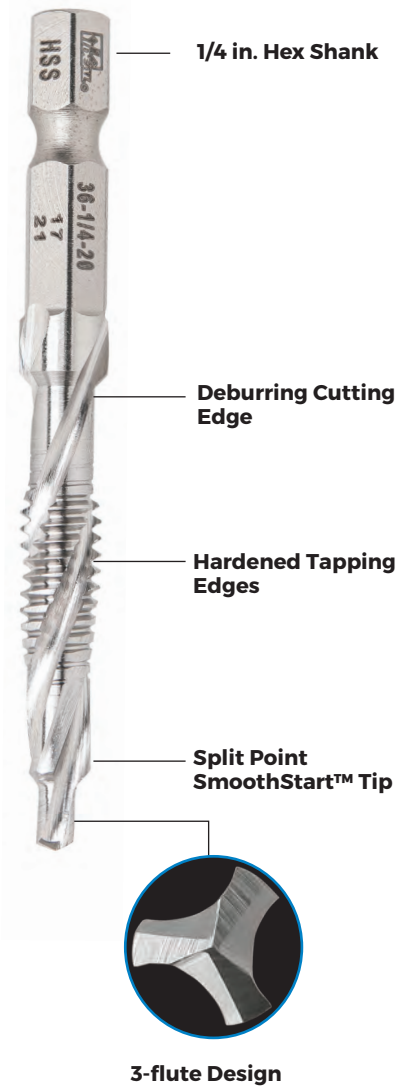
Similar to the IDEAL® TKO™ Carbide Tipped Hole Cutters we have incorporated the SmoothStart™ tip reducing vibration and minimizing thread damage for increased accuracy and long bit life.

While traditional drill taps have single or double flute design, IDEAL® Drill taps come with 3-flute design providing faster chip removal and minimized binding while drilling. The deburring cutting edge provides a clean hole and prevents over drilling. Rated for drilling and tapping up to 10 gauge mild steel, aluminum, copper, brass and even plastic. When it comes to quality, performance and durability, IDEAL is the professional's choice for drill tap needs.



36-6/32 36-8/32 36-10/24 36-10/32 36-12/24 36-1/4-20 36-5/16-18

Description	Part No.
6-32 NC Drill Tap/Bit	**36-6/32**
8-32 NC Drill Tap/Bit	**36-8/32**
10-24 NC Drill Tap/Bit	**36-10/24**
10-32 NC Drill Tap/Bit	**36-10/32**
12-24 NC Drill Tap/Bit	**36-12/24**
1/4-20 NC Drill Tap/Bit	**36-1/4-20**





Description		Part No.
4-Piece Drill Tap Kit (Case included)		**36-601**
Kit Includes:	**Qty.**	**Part No.**
6-32 NC Drill Tap/Bit	1	**36-6/32**
8-32 NC Drill Tap/Bit	1	**36-8/32**
10-32 NC Drill Tap/Bit	1	**36-10/32**
1/4-20 NC Drill Tap/Bit	1	**36-1/4-20**



Description		Part No.
8-Piece Drill Tap Kit (Case included)		**36-600**
Kit Includes:	**Qty.**	**Part No.**
6-32 NC Drill Tap/Bit	1	**36-6/32**
8-32 NC Drill Tap/Bit	2	**36-8/32**
10-24 NC Drill Tap/Bit	1	**36-10/24**
10-32 NC Drill Tap/Bit	1	**36-10/32**
12-24 NC Drill Tap/Bit	1	**36-12/24**
1/4-20 NC Drill Tap/Bit	2	**36-1/4-20**

Bi-Metal Hole Saws



- Constructed from M42 high speed steel with 8% premium cobalt content for added strength and wear resistance
- Unique fleem ground teeth design results in improved performance and efficient chip removal
- 4/6 variable pitch geometry cuts down on harmonic noise to minimize tooth strippage
- Diamond cutouts provide quick plug removal, available on 7/8 in. to 6 in. hole saws
- Cats eye openings on solid back plate provide line of sight and aid in plug removal, available in 2 in. to 6 in. hole saws

Bi-Metal Hole Saw Diameter		Pipe Tap Size		Pipe Entrance Size		Part No.
Inches	MM	Inches	MM	Inches	MM	
Compatible with 1/4 in. Round Arbor 36-570, 3/8 in. Hex Arbor 36-571, 7/16 in. Hex Arbor 36-572.						
3/4	19	½	13	3/8	10	**36-514**
7/8	22	¾	19	1/2	13	**36-516**
1	25					**36-518**
1-1/8	27	1	25	3/4	19	**36-520**
Compatible with 7/16 in. Hex Arbor 36-573, 3/8 in. Quick Change Arbor 36-574.						
1-3/8	35			1	25	**36-524**
1-1/2	38	1-1/4	32			**36-526**
1-3/4	44	1-1/2	38	1-1/4	32	**36-530**
2	51			1-1/2	38	**36-533**
2-3/8	60					**36-538**
2-1/2	64			2	51	**36-539**
3	76			2-1/2	64	**36-544**
3-5/8	92			3	76	**36-549**
4-1/8	104			3-1/2	89	**36-553**
4-1/4	108					**36-554**
4-3/8	111					**36-555**
4-1/2	114					**36-556**

Carbide Pilot Bits for Tri-Bore™ Hole Saws

- Deep-cup design on Tri-Bore™ Hole Saws require the use of a longer pilot bit.



Description	Application	Part No.
Carbide Pilot	Abrasive material boring	**36-368**

Bi-Metal Hole Saw Kits

- Kit includes hole saw sizes: 7/8 in., 1-1/8 in., 1-3/8 in., 1-3/4 in., 2 in., 2-1/2 in. and two arbors (36-572 and 36-573)



Description	Part No.
8-Piece Bi-Metal Hole Saw Kit	**36-500**

Bi-Metal Hole Saw Arbors



36-570 36-571 36-572 36-573 36-574

- Durable, solid steel construction for long life performance.
- Flat head set screw in body for easy replacement

Description	Part No.
1/4 in. Round Arbor for 9/16 in. - 1-3/16 in.	**36-570**
3/8 in. Hex Arbor for 9/16 in. - 1-3/16 in.	**36-571**
7/16 in. Hex Arbor for 9/16 in. - 1-3/16 in.	**36-572**
7/16 in. Hex Arbor for 1-1/4 in. - 6 in.	**36-573**
3/8 in. Quick Change Arbor for 1-1/4 in. - 6 in.	**36-574**

Replacement Pilot Bits

- Split point design
- Constructed of high speed steel
- Will start on initial contact for faster penetration and less walking



36-575

Description	Part No.
4-1/8 in. x 1/4 in. - Fits 36-570 Arbor	**36-575**
3-1/4 in. x 1/4 in. - Fits 36-571, 36-572, 36-573 and 36-574 Arbors	**36-576**

Arbor Extensions



For boring jobs that require a longer reach arbor extension adds up to 12 in. of usable length and can easily be connected to the IDEAL® line of Bi-Metal Hole Saw Arbors.

Description	Part No.
12 in. Extension for 7/16 in. Arbors	**36-577**

Not for use with TKO™ Hole Cutters, Step Drills or Augers.

Auger Bits

The IDEAL® line of auger bits delivers standout performance for electricians, offering smooth and efficient wood cutting. These advanced auger bits, featuring an arced cutting edge and coated fluting, can effortlessly slice through up to nine stacked 2x4s*, making them perfect for tough jobs. The arced cutting edge reduces torque for quick and easy cutting, while the angled flute efficiently ejects chips to minimize binding and pulling. These bits are resistant to nail strikes and have coated fluting to prevent rust and ensure smooth cuts without splintering. The etched shank provides lot control and product identification, showing the part number, size, and lot information. With a hardened drilling tip for added durability and options for single and dual flutes, these auger bits can handle wet, dry, and nail-embedded wood with ease. (*18" version, based on internal testing)

- Arced cutting edge reduces torque creating quick and easy cutting
- Angled flute ejects chips efficiently and minimizes binding and pulling for quick and smooth cutting
- Resistance to nail strikes
- Coated fluting prevents rust and provides a smooth cut without splintering
- Etched shank for lot control and product identification. Shows part number, size, and lot identification
- Hardened drilling tip for added durability
- Single and dual flute options to conquer wet, dry, and nail embedded wood

Single Flute Auger Bits

Length	Size	Part No.
18 in.	1/2 in.	**36-621**
	5/8 in.	**36-622**
	11/16 in.	**36-623**
	3/4 in.	**36-624**
	13/16 in.	**36-625**
	7/8 in.	**36-626**
	15/16 in.	**36-627**
	1 in.	**36-628**
	1-1/8 in.	**36-629**
	1-1/4 in.	**36-630**
7-1/2 in.	5/8 in.	**36-632**
	11/16 in.	**36-633**
	3/4 in.	**36-634**
	13/16 in.	**36-635**
	7/8 in.	**36-636**
	15/16 in.	**36-637**
	1 in.	**36-638**
	1-1/8 in.	**36-639**
	1-1/4 in.	**36-640**
4-3/4 in.	3/4 in.	**36-642**
	7/8 in.	**36-643**
	1 in.	**36-644**



Dual Flute Auger Bits

Length	Size	Part No.
18 in.	1/2 in.	**36-646**
	5/8 in.	**36-647**
	11/16 in.	**36-648**
	3/4 in.	**36-649**
	13/16 in.	**36-650**
	7/8 in.	**36-651**
	15/16 in.	**36-652**
	1 in.	**36-653**
	1-1/8 in.	**36-654**
	1-1/4 in.	**36-655**
7-1/2 in.	5/8 in.	**36-657**
	11/16 in.	**36-658**
	3/4 in.	**36-659**
	13/16 in.	**36-660**
	7/8 in.	**36-661**
	15/16 in.	**36-662**
	1 in.	**36-663**
	1-1/8 in.	**36-664**
	1-1/4 in.	**36-665**



⚠ WARNING

Electrical and eye injury hazard. Contact with live voltage may cause injury or death. Do not use on or near live voltage. Wear eye protection.

Reciprocating Blades

- Bi-metal blades last up to ten times longer than carbon steel blades
- Flexible spring-back provides long blade life
- Super-hard, high speed steel teeth for a sharp, long-lasting cutting edge
- Shatterproof for tough applications
- Fits reciprocating saws using 1/2 in. universal shank

L/W/TH (In.)	TPI	Material	Blade Back	Qty.	Application	Part No.
Metal Cutting 						
6 x 3/4 x .035	14	Bi-metal	Straight	5	Pipe, structural steel, stainless steel: 3/32 in. - 1/4 in., Non-ferrous metal: 3/32 in. - 3/8 in.	**36-059**
4 x 3/4 x .035	18				Structural steel, pipe, conduit, stainless steel: 1/16 in. - 3/16 in. thick, Non-ferrous metal: 1/16 in. - 5/16 in. thick	**36-055**
6 x 3/4 x .035						**36-057**
8 x 3/4 x .035						**36-060**
6 x 3/4 x .035	24				All metal less than 1/8 in. thick: Tubing conduit, trim	**36-058**
Heavy-Duty Metal Cutting 						
8 x 3/4 x .050	10/14	Bi-metal	Taper	5	Heavy-duty blade for cutting structural steel, pipe, conduit, stainless steel: 1/8 in. to 1/2 in. thick	**36-086**
12 x 3/4 x .050						**36-087**
Wood w/Nails 						
6 x 3/4 x .050	6	Bi-metal	Taper	5	Fast cutting, roughing-in work, nail-embedded wood, remodeling	**36-065**
9 x 3/4 x .050						**36-066**
12 x 3/4 x .050						**36-067**
Demolition 						
9 x 7/8 x .062	6	Bi-metal	Taper	2	Demolition work in nail-embedded wood, remodeling	**36-095**
	10				Demolition work in wood, metal, pipe and fire and rescue	**36-096**
General Purpose 						
6 x 3/4 x .035	10	Bi-metal	Straight	5	Nail embedded wood, metal and non-ferrous metal composition materials & plastics 1/8 in. - 1/2 in.	**36-075**
Specialty Cutting 						
8 x 3/4 x .050	Grit	Tung. Grit	Straight	2	Iron pipe, fiberglass, reinforced plastics, ceramic tile, stone, slate and brick.	**36-090**
Plaster/Drywall 						
6 x 3/4 x .050	6	Bi-metal	Taper	2	For plaster, drywall, plaster board & lath. Bi-directional cutting	**36-088**

Long-Life Metal Cutting Reciprocating Blades

- Engineered to be the longest lasting metal cutting blades available with up to three times as many cuts as similar metal cutting blades
- 8% cobalt cutting edge for extreme durability
- Shatterproof bi-metal design



L/W/TH (In.)	TPI	Material	Blade Back	Qty.	Application	Part No.
6 x 3/4 x .035	18	Bi-metal	Straight	5	Long-Life blade for cutting structural steel, pipe, conduit, stainless steel, sheet metal: 1/6 in. - 3/16 in. thick	**36-043**
8 x 3/4 x .035						**36-044**
12 x 1 x .050					Long-Life blade for cutting rebar, barstock, angle iron and other heavy gauge metals: 1/8 in. and thicker	**36-048**

Portable Band Saw Blades



- Tough bi-metal and HCS construction for long life
- Fit all standard portable band saw machines
- For pipe, tubing and solids
- Cut any machinable metal, including conduit, angle iron, structural, rebar and stainless steel tubing

L/W/TH (In.)	TPI	Qty.	Part No.
44-7/8 x 1/2 x .020	14	3	**36-071**
	18		**36-072**
	24		**36-073**

Application Guide

6 TPI	10 TPI	14 TPI	18 TPI	24 TPI	Carbide Grit
Fast	Cut Speed				Slow
Rough	Cut Quality				Smooth
Demolition/nail embedded wood					
Wood/nail embedded wood					
		Metals over 1/8 in. thick/angle iron			
			Metal 18 AWG - 1/8 in. conduit/pipe angle		
				Metal under 18 AWG trim/tubing	
					Ceramic/abrasives/ fiber-glass/metal

Select teeth per inch to allow at least three teeth to be in the cut at all times.

Adjustable Can Light Hole Saw

- Cuts drywall and ceiling tile
- Self-sharpening carbide-coated cutting blades
- Includes two dust shields to minimize clean up



Drill not included

Dust shield included

Description	Part No.
Adjustable Can Light Hole Saw – 10 sizes from 2-1/2 in. to 7 in. in increments of 3/8 in.	**35-598**
Adjustable Can Light Hole Saw – 13 sizes from 6-1/4 in. to 10-3/8 in. in increments of 3/8 in.	**35-599**

Installer Bits

- Hole in fluted head for pulling wires through walls, ceiling and floors
- Flutes designed for quick chip removal — no clogging or binding
- Premium quality, extra-hard 52-100 carbon bearing steel



Description	Length	Part No.
Installer Bit - 1/4 in.	18 in.	**35-870**
Installer Bit - 3/8 in.		**35-871**
Installer Bit - 1/2 in.		**35-872**

WIRE ARMOUR™ ELECTRICAL TAPE

Premium Professional Vinyl Electrical Tape



- For primary installation up to 600V
- Cold and weather resistant from 0˚F-221˚F (-18˚C-105˚C)
- High elasticity up to 300% for easy application and added protection
- Flame retardant and UV resistant
- Impervious to water, oil, acids, alkalis, and corrosive chemicals

Color	Thickness	Dimension	Qty.	Part No.
Black	7 mil	3/4 in. x .007 in. x 66 ft.	10	**46-33**
Blue				**46-35-BLU**
Brown				**46-35-BRN**
Gray				**46-35-GRY**
Green				**46-35-GRN**
Orange				**46-35-ORN**
Red				**46-35-RED**
Violet				**46-35-VIO**
White				**46-35-WHT**
Yellow				**46-35-YLW**
Black	8.5 mil	3/4 in. x .0085 in. x 66 ft.		**46-88**
		1-1/2 in. x .0085 in. x 66 ft.		**46-88-1.5x66**
		1-1/2 in. x .0085 in. x 100 ft.		**46-88-1.5x108**
		2 in. x .0085 in. x 66 ft.		**46-88-2x66**

LISTED E499283

272208 -18°C to 105°C

Contractor Pro Vinyl Electrical Tape



- For primary installation up to 600V
- Cold and weather resistant from 14˚F-221˚F (-10˚C-105˚C)
- High elasticity up to 220% for easy application and added protection
- Flame retardant and UV resistant
- Impervious to water, oil, acids, alkalis, and corrosive chemicals

Color	Thickness	Dimension	Qty.	Part No.
Black	7 mil	3/4" x .007" x 66'	10	**46-PRO**

LISTED E499283

272208 -18°C to 105°C

General Purpose Vinyl Electrical Tape

- For primary insulation up to 600V
- Cold and weather resistant from 32˚F-176˚F (0˚C-80˚C)
- Good elasticity up to 200% for ease of application
- Flame retardant

Color	Size	Qty.	Part No.
Black	3/4" x .007" x 60'	10	**46-1700**
Blue	3/4" x .007" x 66'		**46-1700C-BLU**
Brown			**46-1700C-BRN**
Gray			**46-1700C-GRY**
Green			**46-1700C-GRN**
Orange			**46-1700C-ORN**
Red			**46-1700C-RED**
Violet			**46-1700C-VIO**
White			**46-1700C-WHT**
Yellow			**46-1700C-YLW**



UL LISTED E499283 | CSA 600995 -18°C to 105°C

Linerless Rubber Tape



- Primary insulation up to 69kV
- Linerless ethylene rubber
- Excellently conforms to complex shapes
- Moisture, corrosion, and chemical resistant
- High thermal conductivity allowing heat to dissipate from joint
- Overload temperature: 266˚F
- Elongation: 890%

Dimensions	Part No.
3/4" x 0.03" x 30'	**46-130C-3/4x30**
1" x 0.03" x 30'	**46-130C-1x30**
1-1/2" x 0.03" x 30'	**46-130C-1.5x30**
2" x 0.03" x 30'	**46-130C-2x30**

Mastic Pads



- Primary insulation up to 1kV
- Superior adhesion and dielectric strength
- Sealing and insulating for buried, submerged or overhead electrical connections
- Resistant to UV rays and impermeable to ozone, water, soil, dirt and corrosive chemicals
- Overload temperature: 266˚F

Dimensions	Qty.	Part No.
6-1/2" x 0.13" x 4"	10	**46-2200-6.5x4**

General Purpose Duct Tape

High-adhesion duct tape for the everyday needs of contractors and DIYers



- Grips instantly and holds strong on a variety of surfaces
- Hand-tearable with a polyethylene backing that resists scuffs and damage

Dimensions	Color	Part No.
1.83" x 60', 8 Mil	Gray	**46-2929**

Heavy-Duty Duct Tape

Premium-grade, durable duct tape built for the most demanding industrial conditions



- 27% thicker polyethylene backing for enhanced durability and resistance to UV and moisture
- Distinctive blue color stands out in industrial settings

Dimensions	Color	Part No.
1.88" x 60', 11 Mil	Blue	**46-3939**

Rubber Mastic Tape

- Primary insulation up to 2kV
- Insulating and moisture sealing splices and terminations
- Moisture, corrosion and chemical resistant
- Suitable for direct burial and overhead applications
- Overload Temperature: 266˚F
- Elongation: 890%



Dimensions	Part No.
1" x 0.065" x 10'	**46-2228-1x10**

Corrosion Protection Tape

- Protects pipe, joints, conduit and couplings in overhead or direct burial applications
- Highly resistant to sun, water, oil, acids, alkalies, and corrosive chemicals
- Bacteria and fungus resistant
- Pressure sensitive
- Thickness: 10 mil



Dimensions	Part No.
2" x 0.01" x 100'	**46-50-UNPRINT-2**

Duct Seal

- Seals around junction boxes, flashings and service entrances
- Permanently soft, non-toxic compound can be painted immediately after application
- Won't adversely affect other plastic materials or corrode metals

Description	Quantity	Part No.
1 lb. Block	Carton of 10	**31-601**
5 lb. Block	Carton of 6	**31-605**

UL LISTED



Barricade Tapes

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

42-002



42-052



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 – Danger	Red			**42-051**
Barricade Tape – Danger High Voltage				**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

Detectable Underground Tapes

- Solid aluminum foil core tapes for protection, location and identification of underground utility installations

42-251



- 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

- For protection, location and identification of underground utility installations
- Formulated to resist degradation from acid and alkali found in soils

42-102



- 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

Cable Tie Numbering System

IT - 2 - S - MH - C - 0

IT	2	S	MH	CC	O
IT = IDEAL Powr-Tie™ Cable Ties	**Size** Approximate Bundle Diameter for ties	**Tensile Strength** M = Miniature (18 lbs.) I = Intermediate (40 lbs.) S = Standard (50 lbs.) LH = Light-Heavy Duty (120 lbs.) H = Heavy Duty (175 lbs.) EH = Extra Heavy-Duty (250 lbs.)	**Style** _ = Standard Tie MH = Mounting ID = Identification MB = Mounting Base LPMB = Low Profile Mounting Base MP = Mounting Pad CCL = Cable Clamp	**Qty. Per Package** L = 50 C = 100 D = 500 M = 1000	**Color** _ = Natural 0 = UV Black 35 = Burgundy

Powr-Tie™ Cable Ties



Quality Construction
- One-piece design for added strength
- Superior locking mechanism
- Exceeds industry tensile strength ratings

Low Insertion Force
- Tapered thin tip reduces initial friction
- Lowest insertion force with high tensile strength
- Reduces installation fatigue

No Burrs or Sharp Edges
- Smooth corners provide added safety
- Rounded edges eliminate insulation damage

Stepped Tail Grip for easier grabbing and tightening once engaged







Angled Tail
- Provides quicker initial insertion
- Lowers installation costs

Material Selection
- **RoHS Compliant**
- **Natural General Purpose 6/6 Nylon**
  - Suitable for most applications
  - Meets UL 94V-2 flammability ratings
  - 85˚C/185˚F working temperature
- **UV Black Nylon 6/6**
  - Suitable for most applications with continuous or extended exposure to outdoor elements
  - Weather-resistant grade, able to endure ultraviolet (UV) light
  - Meets UL 94V-2 flammability ratings
  - 85˚C/185˚F working temperature

Miniature (18 lbs.) Natural & UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/ CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	4.1 in. 104mm	.095 in. 2.41mm	.042 in. 1.06mm	1/16 - 7/8 in.	18 lbs.	MS3367-4-9	21	AH-2	100	**IT1M-C**
Natural Nylon									1000	**IT1M-M**
UV Black Nylon						MS3367-4-0			100	**IT1M-C0**
Natural Nylon	6.1 in. 154mm	.095 in. 2.41mm	.042 in. 1.06mm	1/16 - 1-1/2 in.	18 lbs.	—			100	**IT1_5M-C**
UV Black Nylon									100	**IT1_5M-C0**
Natural Nylon	8.1 in. 207mm	.095 in. 2.41mm	.042 in. 1.06mm	1/16 - 2-3/16 in.	18 lbs.	—			100	**IT2M-C**
Natural Nylon									1000	**IT2M-M**
UV Black Nylon									100	**IT2M-C0**

AH-2 UL Listed for Air Handling Spaces

c UL us LISTED

Intermediate (40 lbs.) Natural & UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	5.8 in. 148mm	.140 in. 3.55mm	.049 in. 1.24mm	1/16 - 1-7/16 in.	40 lbs.	MS3367-5-9	21	AH-2	100	**IT1_5I-C**
Natural Nylon									1000	**IT1_5I-M**
UV Black Nylon						MS3367-5-0			100	**IT1_5I-C0**
UV Black Nylon									1000	**IT1_5I-M0**
Natural Nylon	8.8 in. 225mm	.140 in. 3.55mm	.049 in. 1.24mm	1/16 - 2-3/8 in.	40 lbs.	MS53367-5-9			100	**IT2I-C**
Natural Nylon									1000	**IT2I-M**
UV Black Nylon						MS53367-5-0			100	**IT2I-C0**
Natural Nylon	10.9 in. 278mm	.140 in. 3.55mm	.049 in. 1.24mm	1/16 - 3-3/8 in.	40 lbs.	—			100	**IT3I-C**
UV Black Nylon									100	**IT3I-C0**
Natural Nylon	14.2 in. 361mm	.140 in. 3.55mm	.049 in. 1.24mm	1/16 - 4 in.	40 lbs.	—			100	**IT4I-C**
UV Black Nylon									100	**IT4I-C0**

AH-2 UL Listed for Air Handling Spaces

Standard (50 lbs.) Natural & UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	7.5 in. 190mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 1-7/8 in.	50 lbs.	MS3367-1-9	21S	AH-2	100	**IT2S-C**
Natural Nylon									1000	**IT2S-M**
UV Black Nylon						MS3367-1-0			100	**IT2S-C0**
UV Black Nylon									1000	**IT2S-M0**
Natural Nylon	11.2 in. 285mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 3-1/16 in.	50 lbs.	MS3367-7-9			100	**IT3S-C**
Natural Nylon									500	**IT3S-D**
UV Black Nylon						MS3367-7-0			100	**IT3S-C0**
UV Black Nylon									500	**IT3S-D0**
Natural Nylon	14.2 in. 361mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 4 in.	50 lbs.	MS3367-2-9			100	**IT4S-C**
UV Black Nylon						MS3367-2-0			100	**IT4S-C0**
UV Black Nylon									500	**IT4S-D0**
Natural Nylon	17.0 in. 434mm	.180 in. 4.74mm	.053 in. 1.34mm	1/16 - 4-1/2 in.	50 lbs.	—	21	AH-1	100	**IT5S-C**
UV Black Nylon									100	**IT5S-C0**

UL Listed Nylon 6/6 cable ties are suitable for use in Air Handling Spaces (Plenum) in accordance with Section 300-22(C) & (D) of the National Electrical Code and Rules 12-010 (3), (4) & (5) and 12-020 of the Canadian Electrical Code, Part 1.

Light Heavy-Duty, Heavy-Duty and Extra Heavy-Duty Natural, UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	8.7 in. 220.9mm	.300 in. 7.62mm	.076 in. 1.93mm	3/16 - 1/16 in.	120 lbs.	—	21S	AH-2	100	**IT2LH-C**
UV Black Nylon									100	**IT2LH-C0**
Natural Nylon	15.1 in. 383mm	.300 in. 7.62mm	.076 in. 1.93mm	3/16 - 4-1/16 in.	120 lbs.	MS3367-3-9			50	**IT4LH-L**
UV Black Nylon						MS3367-3-0			50	**IT4LH-L0**
Natural Nylon	18.2 in. 465mm	.300 in. 7.67mm	.083 in. 2.1mm	3/16 - 5 in.	120 lbs.	—			50	**IT5LH-L**
UV Black Nylon									50	**IT5LH-L0**
Natural Nylon	24.5 in. 622mm	.300 in. 7.67mm	.083 in. 2.1mm	3/16 - 7 in.	120 lbs.	—			50	**IT7LH-L**
UV Black Nylon									50	**IT7LH-L0**
Natural Nylon	25.5 in. 641mm	.340 in. 8.63mm	.090 in. 2.29mm	1-1/2 - 7-3/16 in.	175 lbs.	MS3367-10-9	21	AH-2	50	**IT7H-L**
UV Black Nylon						MS3367-10-0			50	**IT7H-L0**
Natural Nylon	37.2 in. 946mm	.340 in. 8.63mm	.090 in. 2.29mm	1-1/2 - 11 in.	175 lbs.	MS3367-13-9			50	**IT11H-L**
UV Black Nylon						MS3367-13-0			50	**IT11H-L0**
Natural Nylon	48.5 in. 1231mm	.340 in. 8.63mm	.090 in. 2.29mm	1-1/2 - 14-1/2 in.	175 lbs.	MS3367-16-9			50	**IT14H-L**
UV Black Nylon						MS3367-16-0			50	**IT14H-L0**
UV Black Nylon	21.73 in. 552mm	.49 in. 12.5mm	.077 in. 1.96mm	1/2 - 5-3/4 in.	250 lbs.	—			100	**IT6EH-C0**

6EH UL only. AH-2 UL Listed for Air Handling Spaces.

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Plenum Cable Ties

- UL Listed nylon 6/6 cable ties are suitable for use in Air Handling Spaces (Plenum) in accordance with Section 300-22(C) & (D) of the National Electrical Code and Rules 12-010 (3), (4) and (5) and 12-020 of the Canadian Electrical Code, Part 1



Standard Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Burgundy Nylon	7.5 in. 190mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 1-7/8 in.	50 lbs.	—	21S	AH-2	100	**IT2S-C35**
Natural Nylon						MS3367-1-9			100	**IT2S-C**
Natural Nylon									1000	**IT2S-M**
UV Black Nylon						MS3367-1-0			100	**IT2S-C0**
UV Black Nylon									1000	**IT2S-M0**
Burgundy Nylon	11.2 in. 285mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 3-1/16 in.	50 lbs.	—			100	**IT3S-C35**
Natural Nylon						MS3367-7-9			100	**IT3S-C**
Natural Nylon									500	**IT3S-D**
UV Black Nylon						MS3367-7-0			100	**IT3S-C0**
UV Black Nylon									500	**IT3S-D0**
Natural Nylon	14.2 in. 361mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 4 in.	50 lbs.	MS3367-2-9			100	**IT4S-C**
Natural Nylon									500	**IT4S-D**
UV Black Nylon						MS3367-2-0			100	**IT4S-C0**
UV Black Nylon									500	**IT4S-D0**

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Multi-Purpose Cable Ties

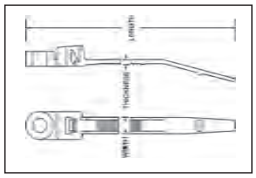


- General purpose cable tie for building and cable management
- UL recognized and Plenum rated

Size		Thickness x Width	Color	Tensile Strength (lbs.)	UL/CSA Type	Plenum Approval	Qty.	Part No.
Miniature	4 in.	.042 in. x .095 in.	Natural	18	21		100	**B-4-18-9-C**
			UL Black				100	**B-4-18-0-C**
Intermediate	6 in.	.049 in. x .140 in.	Natural	40			100	**B-6-40-9-C**
			Natural				1,000	**B-6-40-9-M**
			UV Black				100	**B-6-40-0-C**
Standard	8 in.	.053 in. x .180 in.	Natural	50		AH-2	100	**B-8-50-9-C**
			Natural				1,000	**B-8-50-9-M**
			UV Black				100	**B-8-50-0-C**
			UV Black				1,000	**B-8-50-0-M**
	11 in.		UV Black				100	**B-11-40-0-C**
			Natural				100	**B-11-40-9-C**
			Natural				100	**B-11-50-9-C**
			Natural				500	**B-11-50-9-D**
			UV Black				100	**B-11-50-0-C**
			UV Black				500	**B-11-50-0-D**
	14 in.		Natural				100	**B-14-50-9-C**
			Natural				500	**B-14-50-9-D**
			UV Black				100	**B-14-50-0-C**
			UV Black				500	**B-14-50-0-D**
Heavy-Duty	14 in.	.076 in. x .300 in.	Natural	120			100	**B-14-120-9-C**
			UV Black				50	**B-14-120-0-L**
	24 in.		Natural	175	21		50	**B-24-175-9-L**
			UV Black				50	**B-24-175-0-L**
	36 in.		Natural				50	**B-36-175-9-L**
	48 in.		Natural				50	**B-48-175-9-L**
Mounting Ties	8 in.	.052 in. x .177 in.	Natural	50	21	AH-2	100	**B-8-50MT-9-C**
			UV Black				100	**B-8-50MT-0-C**
	1 in. x 1 in.	.142 in. Max Tie Width	Natural	11	11	—	100	**BMP-1000-9-C**

Mounting Head, Natural & UV Black Cable Ties





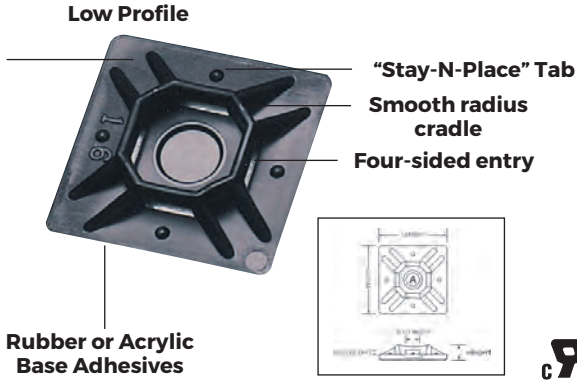
- Secures and positions wire bundles, cables, hoses, etc. to panels or other surfaces with one fastener to reduce time and cost
- Allows bundling before and after mounting

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Screw Size	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	6.0 in. 152mm	.138 in. 3.50mm	.045 in. 1.14mm	1/16 - 1-1/4 in.	40 lbs.	No. 8	11	AH-2	100	**IT1_5IMH-C**
UV Black Nylon									100	**IT1_5IMH-C0**
Natural Nylon	8.1 in. 206mm	.177 in. 4.49mm	.052 in. 1.32mm	1/16 - 1-3/4 in.	50 lbs.	No. 10			100	**IT2SMH-C**
UV Black Nylon									100	**IT2SMH-C0**
Natural Nylon	11.8 in. 363mm	.177 in. 4.49mm	.053 in. 1.34mm	1/16 - 3 in.	50 lbs.	No. 10			100	**IT3SMH-C**
UV Black Nylon									100	**IT3SMH-C0**
Natural Nylon	14.5 in. 363mm	.177 in. 4.49mm	.053 in. 1.34mm	1/16 - 4 in.	50 lbs.	No. 10			100	**IT4SMH-C**
Natural Nylon	15.7 in. 398mm	.248 in. 7.56mm	.075 in. 1.90mm	3/16 - 4-1/16 in.	120 lbs.	1/4 in.	21		100	**IT4LHMH-C**
UV Black Nylon									100	**IT4LHMH-C0**

UL Listed Nylon 6/6 cable ties are suitable for use in air handling spaces in accordance with Section 300-22(C) & (D) of the National Electrical Code.

Mounting Pads

- Lead-N-Feature allows easy insertion for hard to reach applications
- Four-sided entry slots save time during placement orientation
- Smooth radius cradle eliminates possible damage to cable while providing stable support
- Low Profile is essential in confined spaces
- UL recognized, rubber adhesive fixing device

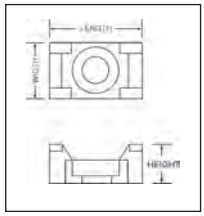


Description	Width	Height	Slot Height	Slot Width	Screw Size	UL/CSA Type	Qty./Bag	Part No.
Natural Nylon	.74 in. 19mm	.19 in. 4.8mm	.05 in. 1.2mm	.20 in. 5.1mm	No. 4	11	100	**IT750MP-C**
UV Black Nylon							100	**IT750MP-C0**
Natural Nylon	.99 in. 25mm	.20 in. 5.0mm	.06 in. 1.5mm	.20 in. 5.1mm	No. 6		100	**IT1000MP-C**
UV Black Nylon							100	**IT1000MP-C0**

Screw Mounting Bases — Standard

- Deep cradle design provides support for larger bundles and tubing
- Recessed screw hole allows cable ties to easily pass over screw head



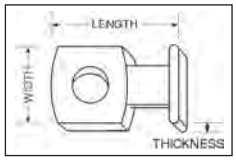


Description	Length	Width	Height	Slot Height	Slot Width	Screw Size	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	.60 in. 15mm	.380 in. 9.60mm	.270 in. 6.86mm	.062 in. 1.59mm	.200 in. 5.05mm	No. 6	21	AH-2	100	**IT1SMB-C**
UV Black Nylon									100	**IT1SMB-C0**
Natural Nylon	.90 in. 22mm	.630 in. 16.00mm	.380 in. 9.65mm	.125 in. 3.18mm	.350 in. 8.89mm	1/4 in.			100	**IT2SMB-C**
UV Black Nylon									100	**IT2SMB-C0**

Screw Mounting Bases — Low Profile

- Perfect for confined space, control panels or other areas where space is limited





Description	Length	Width	Height	Slot Height	Slot Width	Screw Size	Qty./Bag	Part No.
Low Profile Mount	.750 in. 19mm	.500 in. 12.70mm	.120 in. 3.04mm	.062 in. 1.57mm	.180 in. 4.57mm	No. 8	100	**IT1LPMB-C**

Self-Aligning Cable Clamps



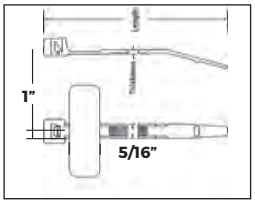
- Secures the routing of cables, harnesses and hoses
- Rounded edges protect against insulation abrasion and cutting hoses
- Saddle washer allows for quick and secure alignment
- Manufactured from durable and flexible Nylon 66
- Indoor use

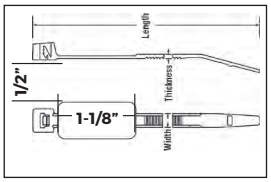
Description	Closed Diameter	Center to Center	Width	Thickness	Mounting Hole	Qty./Bag	Part No.
Natural Nylon	.125 in. 3.18mm	.343 in. 8.71mm	3/8 in.	.050 in. 1.27mm	.203 in. 5.16mm	100	**IT125CCL-C**
Natural Nylon	.250 in. 6.35mm	.421 in. 10.69mm	3/8 in.	.050 in. 1.27mm	.203 in. 5.16mm	100	**IT250CCL-C**
Black Nylon						100	**IT250CCL-C0**
Natural Nylon	.375 in. 9.52mm	.500 in. 12.70mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	**IT375CCL2-C**
Black Nylon						100	**IT375CCL2-C0**
Natural Nylon	.500 in. 12.70mm	.553 in. 14.05mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	**IT500CCL2-C**
Natural Nylon	.625 in. 15.88mm	.625 in. 15.88mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	**IT625CCL2-C**
Natural Nylon	.750 in. 19.05mm	.699 in. 17.75mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	**IT750CCL2-C**
Natural Nylon	1.000 in. 25.40mm	.825 in. 20.96mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	**IT1000CCL2-C**

Identification Ties

- Write-on surface
- Bundle and identify at the same time







Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Pad Size (H X L)	UL/CSA Type	Qty./ Bag	Part No.
Natural Nylon	4.0 in. 103mm	.094 in. 2.40mm	.044 in. 1.12mm	1/16 - 7/8 in.	18 lbs.	5/16 in. x 1 in.	21	100	**IT1MID-C**
Natural Nylon	7.9 in. 201mm	.180 in. 4.58mm	.055 in. 1.40mm	1/16 - 1-7/8 in.	50 lbs.	1-1/8 in. x 1/2 in.		100	**IT2SID-C**

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Wire Marker Booklets



- Convenient pocket-size booklets
- Plastic, cloth construction for long-lasting durability
- Resists abrasion, moisture, dirt and oil
- Perforated 1/4 in. x 1-1/2 in. markers can be separated into half-length sizes
- Non-smear black legend ensures high visibility
- Self-sticking on wire and cable
- For applications above or below ground
- Specifications: Temperature Range: -40˚F to 180˚F (-40˚C to 82˚C)
  Adhesion: 45 oz./in. width ultimate

Legend Assortments	Quantity	Buchanan Part No.	IDEAL Part No.
0-9	45 Markers each	**775101**	**44-101**
A-Z, 0-15, +, –, /	10 Markers each	**775102**	**44-102**
1-45		**775103**	–
1-48		–	**44-103**
46-90		**775104**	**44-104**
1, 2, 3	150 Markers each	–	**44-105**
A, B, C		–	**44-106**
A-Z	45 Markers each	–	**44-148****
T1, T2, T3	150 Markers each	–	**44-107**
L1, L2, L3		–	**44-108**
1-15 16-90 A-Z +, –, /, 0	6 Markers each 4 Markers each 2 Markers each 2 Markers each	–	**44-109**
1, 2, 3 A, B, C T1, T2, T3 L1, L2, L3	45 Markers each 45 Markers each 30 Markers each 30 Markers each	–	**44-110**
+, –, AC, DC POS, NEG, GND NEUT SPARE, BLANK	45 Markers each 33 Markers each 27 Markers each 21 Markers each	–	**44-111***

Ten pages per booklet with each page bearing the legend assortment indicated. All booklets (except 44-111 & 45-148) contain 450 wire markers and 450 terminal markers.
*Booklet 44-111 includes 348 wire markers and 348 terminal markers.
**Booklet 44-148 contains 26 pages, one page of 45 markers per letter, 1170 total markers.

Wire Marker Dispenser



- Convenient pocket-size case holds ten wire marker rolls
- Dispenser tab holds tapes firmly in place — allows removal of proper tape length without waste
- Flip top for easy access and refill
- Built-in hook for hanging from belt or tool pouch
- High-quality adhesive and 3 mil. thickness provide long-lasting, low-profile application
- Each plastic reel holds Tyvek® tape
- Specifications: Temperature Range: -40˚F to 180˚F (-40˚C to 82˚C)
  Adhesion: 45 oz./in. width ultimate

Description	Part No.
Dispenser with 0-9 legend rolls	**42-301**
Refill pack with one each of 0-9 legend rolls	**42-399**

Tyvek® is a registered trademark of E. I. du Pont de Nemours and Company.

Write-On Marker Cards



- Use for developing personal identification systems
- Cloth write-on surface
- Accepts most writing instruments

Marker Size	Quantity	Part No.
5/8 in. x 1-1/2 in.	Card of 14	**44-753**

Write-On Marker Booklets



- Use for developing personal identification systems
- Surface accepts pen, pencil or rubber stamp
- Specification: Adhesion – .25 oz./in. ultimate width

Marker Size* (In.)	Markers per page	Pages per book	Part No.
1 x 2-1/2	6	10	**44-151**
1 x 5	3	10	**44-152**

*Write-on area for 2-1/2 in. markers is 3/4 in. x 1 in. Write-on area for 5 in. markers is 1 in. x 1 in.

Load Center



- Contains common household legends — bedroom, living room, dryer, water heater, security system, etc.

Description	Part No.
Load Center Wire Marker Booklet	**44-154**

Cable Stackers



- Used to route, fasten, and support CATV, telephone, security and instrumentation cables
- Organize lengthy cable runs, eliminating tangled wires and excessive heating that can occur when too many cables are fastened tightly together
- Angled nail allows it to be installed from any direction, regardless of the spacing or positioning of the studs

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E201201
NO LOAD
CABLE HARDWARE

Description	Quantity	Part No.
Cable Stacker	Bag of 25	**BPSTCKR-25**
Cable Stacker	Bag of 100	**BPSTCKR-100**
Cable Stacker	Bag of 300	**BPSTCKR-300**

Plastic Insulated Staples



- Use with wider cable such as NM
- Plastic material is UV resistant
- Smooth plastic saddle prevents damage to cable
- Zinc-plated nails resist rust and corrosion

LISTED
E201201

Description	Quantity	Part No.
1/2 in. Insulated Staple	Bag of 50	**BPS2-50**
	Bag of 100	**BPS2-1**
	Jar of 225	**BPS2-JRL**
	Jar of 400	**BPS2B-JR**
	Bag of 500	**BPS2-5**
	Bucket of 5,000	**BPS2-5M**
3/4 in. Insulated Staple	Bag of 100	**BPS3-1**
	Jar of 200	**BPS3-JRL**
	Bag of 250	**BPS3-2**

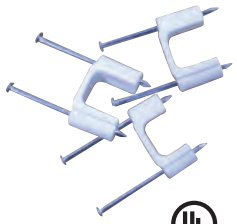
Carbon Steel Staples



- Use with wider cable such as NM
- High-grade carbon steel construction
- Sharp-point legs drive straight without splitting wood
- Resist rust and corrosion

Description	Quantity	Part No.
1/2 in. x 1 in. Carbon Steel Staples	Box of 100	**BCS1-1**
	Jar of 500	**BCS1-JR**
	Box of 500	**BCS1-5**
	Bucket of 5,000	**BCS1-5M**
9/16 in. x 1-1/4 in. Carbon Steel Staples	Box of 100	**BCS2-1**
	Jar of 400	**BCS2-JR**
	Box of 500	**BCS2-5**
	Bucket of 5,000	**BCS2-5M**

Plastic Insulated Cable Stacker

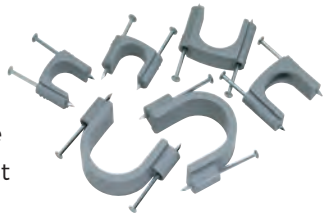


- Use with wider cable such as NM
- Plastic material is UV resistant
- High-grade carbon steel construction
- Smooth plastic saddle prevents damage to cable
- Zinc-plated nails resist rust and corrosion

LISTED

Description	Quantity	Part No.
1/2 in., 2-Wire Cable Stacker	Bag of 50	**BPS2/2-50**

Plastic Insulated Service Entrance Straps



- Use with service entrance cable and conduit
- Smooth plastic saddle prevents damage to cable
- Zinc-plated nails resist rust and corrosion

Description	Quantity	Part No.
#6 SER & 1/2 in. EMT Plastic Insulated Service Entrance Strap	Bag of 50	**BSER6-50**
#6 & #8 SEU Plastic Insulated Service Entrance Strap		**BSEU6-50**
#2 SER & 3/4 in. EMT Plastic Insulated Service Entrance Strap	Bag of 25	**BSER2-25**
#2 SEU Plastic Insulated Service Entrance Strap		**BSEU2-25**
4/0 SER Plastic Insulated Service Entrance Strap	Bag of 5	**BSER4/0-5**
4/0 SEU Plastic Insulated Service Entrance Strap		**BSEU4/0-5**

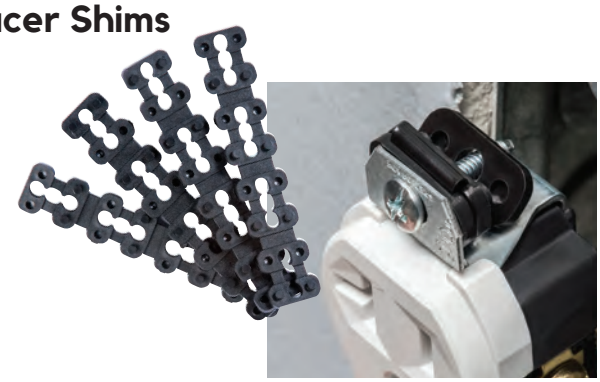
Carbon Steel Service Entrance Staples



- Use with service entrance cable and conduit
- High-grade carbon steel construction
- Sharp-point legs drive straight without splitting wood
- Resist rust and corrosion

Description	Quantity	Part No.
1-5/16 in. x 3/4 in.	Box of 100	**BMSE150-1**
1-1/2 in. x 1-1/6 in.		**BMSE175-1**

Spacer Shims



- Eliminates the need to cut plate screws for "GFCI" decorator devices when installing on tile, marble, etc.
- Supports loose outlets
- Prevents broken face plates
- Snaps over #6, #8, #10 screws

Description	Quantity	Part No.
Caterpillar	Bag of 5	**772453**
Caterpillar	Box of 25	**172451L**
Caterpillar	Box of 500	**772451**

Quick Snap Snap-In Connector



- Simply push in - no tools required
- Protects and secures cable
- Snap connector into 1/2" or 3/4" knockout
- Insert from the outside
- Push non-metallic sheathed cable through connector
- Securely holds cable while protecting from rough edges of knockouts.

Description	Qty.	Part No.
Quick Snap 1/2" Snap-In Connector	Jar of 50	**46-050**
	Jar of 125	**46-125**
Quick Snap 3/4" Snap-In Connector	Jar of 50	**46-150**

602951 LISTED 2C86 NM SHEATHED CABLE CONNECTOR E18588

Flange-Type Plastic Anchor Kits

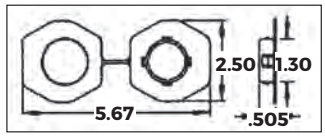
- Kit includes: Flange-type anchors, Slotted/Phillips head screws and masonry bit
- Convenient plastic storage container

	Contents	Part No.
	100 #6-8-10 x 7/8 in. Flange-type anchors (yellow), 100 #8 x 1 in. combo-combo-head, sheet-metal screws & one 3/16 in. masonry bit (carbide-tipped)	**90-051**
	100 #10-12 x 1-1/4 in. Flange-type anchors (blue), 100 #10 x 1-1/4 in. combo-combo-head, sheet-metal screws & one 1/4 in. masonry bit (carbide-tipped)	**90-052**
	100 #10-12 x 1-1/4 in. Flange-type anchors (blue), 100 #12 x 1 in. combo-combo-head, sheet-metal screws & one 1/4 in. masonry bit (carbide-tipped)	**90-053**
	40 #14-16 x 1-1/2 in. Flange-type anchors (green), 40 #14 x 1-1/2 in. combo-combo-head, sheet-metal screws & one 5/16 in. masonry bit (carbide-tipped)	**90-054**

Universal Metal Stud Bushings



- Non-metallic stud bushing fits all hole configurations you are likely to encounter in pre-punched steel studs
- Long pulls of cable slide smoothly through the bushing, make a difficult job easier
- Protects wire without falling out of the hole



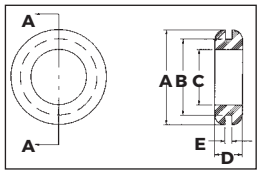
Description	Quantity	Part No.
Stud Bushing	Bag of 25	**772271**

Grommets

CONSTRUCTION PRODUCTS BUCHANAN



- Installs instantly! Flexible PVC grommets side slotted 1/16 in. for quick installation
- Snap into holes in electrical boxes, sheet metal, auto firewalls and more
- Prevents steel and other sharp edge chafing of wire insulation or cording
- Black, PVC, flexible, 60 durometer



Description	A	B	C	D	E	Qty.	Part No.
1/2" Grommets	55/64	.69	1/2	.25	1/16	Bag of 25	**774113**
3/4" Grommets	15/64	1.0	3/4	.31	1/16	Bag of 10	**774136**

Thermo-Shrink® UF Splice Kits



- Direct burial rated, UV resistant
- 14/3 with and without ground through 8/3 without ground, UF cable range
- Stretcher kit repairs a 7 in. to 10 in. section damaged or destroyed by a trencher
- 600V Maximum, 105˚C rating
- Meets the requirements of the 2002NEC Code 110-14(b) and UL486D
- One wire per fitting

Description	Part No.
UF Splice Kit - 14-8 AWG, Tubing 1.1 in. x 8 in.	**46-400**
UF Stretcher Kit* - 14-8 AWG, Tubing 1.1 in. x 18 in.	**46-410**

*Stretcher kit connector is 11.5 in.

E123896

Thermo-Shrink® Copper Butt Splice Kits



- UL Listed
- UV resistant
- Provides a fully-insulated butt splice
- 600V Maximum, 105˚C rating
- Not rated for direct burial

Description	Part No.
Butt Splice Kit – Copper 8-2 AWG	**46-405**

E5238

Thermo-Shrink® Al/Cu Splice Kits



- Direct burial rated, underground splice kits
- Heavy-wall heat shrink tubing with adhesive liner provides complete insulation and protection
- Connector can be used for aluminum and/or copper cable
- Meets the requirements of the 2005 NEC Code 110-14(B)
- 600V maximum, 105˚C rating
- UV resistant

Description	Part No.
Underground Splice Kit – 8 to 4 AWG, Tubing 3/4 in. x 6 in.	**46-401**
Underground Splice Kit – 4 AWG to 1/0, Tubing 1.1 in. x 8 in.	**46-402**

E163183*

Thermo-Shrink® Thin-Wall Heat Shrinkable Tubing

- Polyolefin material electrically insulates and protects in-line components, disconnect terminals and splices with its high strength and excellent resilience
- Use to bundle wires for very flexible light-duty harnesses
- Highly flame-retardant and flexible; resistant to common fluids and solvents
- Meets UL 224, CSA 22.2 125˚C VW-1 600V; Material: No PBB's, PBBE's
- 2:1 shrink ratio; Minimum shrink temperature: 70˚C; Operating temperature: -55˚C to +125˚C
- RoHS compliant
- UV resistant



E236137 242540

Normal Size	Expanded I.D. (Min.)	Nominal Recovered I.D. (Max.)	Recovered Wall Thickness +/- 10%	Cable Range AWG*	Length (Pkg.)	Part No.
3/64"	.047"/1.2mm	0.024"/0.6mm	0.013"/0.33mm	22-18	4 ft. (Disk)	**46-600**
1/16"	.063"/1.6mm	0.031"/0.8mm	0.014"/0.36mm	16		**46-601**
3/32"	.094"/2.4mm	0.047"/1.2mm	0.017"/0.44mm	14-12		**46-602**
1/8"	.126"/3.2mm	0.063"/1.6mm	0.017"/0.44mm	24-20	6 in. (Bag)	**46-310**
					4 ft. (Disk)	**46-603**
3/16"	.189"/4.8mm	0.094"/2.4mm	0.020"/0.56mm	20-14	6 in. (Bag)	**46-313**
					4 ft. (Disk)	**46-604**
1/4"	.251"/6.4mm	0.126"/3.2mm	0.022"/0.56mm	14-8	6 in. (Bag)	**46-316**
					4 ft. (Disk)	**46-605**
5/16"	.315"/8.0mm	0.157"/4.0mm	0.022"/0.56mm	10-6	4 ft. (Disk)	**46-606**
3/8"	.374"/9.5mm	0.185"/4.7mm	0.022"/0.56mm	8-4	6 in. (Bag)	**46-319**
					4 ft. (Disk)	**46-607**
1/2"	.5"/12.7mm	0.252"/6.4mm	0.026"/0.65mm	4-1	6 in. (Bag)	**46-322**
					4 ft. (Disk)	**46-608**
3/4"	.751"/19.1mm	0.374"/9.5mm	0.027"/0.80mm	2-250 MCM	6 in. (Bag)	**46-325**
					4 ft. (Disk)	**46-609**
1"	1"/25.4mm	0.500"/12.7mm	0.031"/0.90mm	2/0-500 MCM	6 in. (Bag)	**46-328**
					4 ft. (Disk)	**46-610**

*Reference only - Consult the wire manufacturer's catalog for specific O.D. of wire and insulation.

Specifications

Property	Test Method	Typical Data
Tensile strength	ASTM D 638	14MPa
Elongation at break	ASTM D 638	600%
Elongation after aging at 175˚C for 168 hours	UL 224	350%
Flammability	UL 224 VW-1	Pass
Heat shock (250˚C/4 hours)	UL 224	No cracking
Cold bend test (-55˚C/4 hours)		No cracking
Dielectric strength	ASTM D 150	20KV/mm
Volume resistance	ASTM D 876	1014Ωcm
Copper corrosion	UL 224	Pass
Chemical resistance		Pass
Longitudinal shrinkage		0±5%
Eccentricity		30%

Thermo-Shrink® Heavy-Wall Heat Shrinkable Tubing



- TS-46 irradiated cross-linked polyolefin with 3:1 standard shrink ratio
- Adhesive liner provides complete insulation and protection to electrical splices in above-grade, underground or underwater applications
- Maximum flame retardant
- Meets UL 486D, CSA C22.2 No. 198.2, ANSI C119.1, Western Underground Guides Nos. 2.4, 2.5, MIL-DTL-23053/15, IEEE 383 Vertical Flame Test, ANSI C37.20.2, ICEA S-19-8 and NEMA insulation thickness requirements
- Rated for 600V, 90˚C continuous use

Model	Expanded I.D. (Min.) (In.)	Recovered I.D. (Max.) (In.)	Nominal Recovered Wall Thickness (In.)	Cable Range*	Length (In.)	Cat. No.
TS-46-400	.400	.130	.070	12-8 AWG	6	**46-343**
					9	**46-344**
					48	**46-346**
TS-46-750	.750	.220	.090	6-2/0 AWG	6	**46-347**
					9	**46-348**
					48	**46-350**
TS-46-1100	1.100	.350	.120	1/0-3/0 AWG	6	**46-351**
					9	**46-352**
					48	**46-354**
TS-46-1500	1.500	.470	.160	2/0 AWG-350 KCMIL	9	**46-356**
					12	**46-357**
					48	**46-358**
TS-46-2000	2.000	.630	.160	250-1000 KCMIL	9	**46-369**
					18	**46-371**
					48	**46-372**

*Reference only. Consult the wire manufacturer's catalog for specific O.D. of wire and insulation.

Specifications

Properties	Heavy Wall
Shrink Temperatures	120˚C to 250˚C (200˚C recommended)
Continuous Operating Temperature	-55˚C to 110˚C
Tensile Strength (PSI)	2,100 PSI min.
Ultimate Elongation	600% min.
Secant Modulus @ 2% Strain	25,000 PSI max.
Specific Gravity	1.20 max.
Heat Aging, 168 hrs. @ 175˚C Tensile Strength Elongation	500%
Heat Shock, 4 hrs. @ 225˚C	No cracks, flowing or dripping
Flammability	Flame retardant
Low Temperature Brittle Point	-55˚C
Volume Resistivity	1013ohm-cm min.
Dielectric Strength	500V/mil (20kV/min.)
Corrosive Effect	Non-corrosive
Solvent Resistance 24 hrs. Immersion per MIL-DTL-23053	Good to excellent
Water Absorption	0.2%
Fungus Resistance	No growth
Longitudinal Change, 3 min.	+1%/-10%

All values are typical performance data and are not to be used as design data.

Thermo-Shrink® Medium-Wall Heat Shrinkable Tubing End Caps

- Creates a watertight seal to protect ends of power and control cords
- Protects against oxidation, ozone, UV radiation, etc.
- Coated with hot melt adhesive to ensure environment seal
- Fits easily over end of cable
- Protect power cables up to 1000V and telecommunication cable
- Recommended for both open air and underground power distribution cables with PVC, lead or XLPE sheaths
- Thermally stabilized cross-linked polylefin, coated with specially designed hot melt adhesive
- UV resistant



Expanded I.D. (Min.) (in.)	Recovered I.D. (Max.) (in.)	Recovered Wall Thickness +/-10% (in.)	Cable Dia. Range* (in.)	Length (in.)	Part No.
0.55/14mm	0.18/4.5mm	0.079/2.0mm	0.20/5mm - 0.47/12mm	1.77/45mm	**46-381**
0.98/25mm	0.31/8mm	0.091/2.3mm	0.39/10mm - 0.71/18mm	2.76/70mm	**46-382**
1.38/35mm	0.59/15mm	0.118/3.0mm	0.67/17mm - 1.18/30mm	3.35/85mm	**46-383**
2.95/75mm	1.38/35mm	0.138/3.5mm	1.77/45mm - 2.76/70mm	5.12/130mm	**46-384**

*Consult the wire manufacturer's catalog for specific O.D. of wire and insulation.

Specifications

Property	Test Method	Typical Data
Operating Temperature	IEC 216	-55˚C to +110˚C
Tensile Strength	ASTM D 638	>14 MPa
Elongation at break	ASTM D 638	>400%
Density	ASTM D 792	1.05g/cm3
Dielectric strength	IEC 243	>15KV/mm
Volume resistance	IEC 93	1014Ωcm

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 Breaker Lockout	1	**44-783**
1 in. Safety Lockout Hasp	1	**44-800**
Universal 277V Single-Pole Breaker 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 Single-Pole Breaker Lockout	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. Shackle 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 Single-Pole Breaker Lockout	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	**—**
1-1/2 in. 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 Single-Pole Breaker Lockouts	3	**44-809**
480/600V Breaker Lockout	1	**44-807**
Wall Switch Lockouts	2	**44-789**
110V Small 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	**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 Single-Pole Breaker 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.

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 277V Single-Pole Breaker Lockouts	2	**44-809**
Cleats for 277V Breaker Lockout	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**
1-1/2 in. Red Lockout Padlocks	4	**44-916**
100V Small Plug Lockout	1	**44-818**
220/550V Plug Lockout	1	**44-819**
Striped Lockout Tags – Do Not Operate	10	**44-849**
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.

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**

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	–
1-1/2 in. Red Lockout Padlocks	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	–
1-1/2 in. Red Lockout Padlocks	10	**44-916**
Heavy-Duty Lockout Tags	24	–
1 in. Safety Lockout Hasps	2	**44-800**

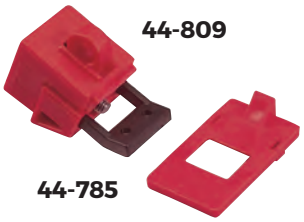
Hinged Single-Pole Breaker Lockouts

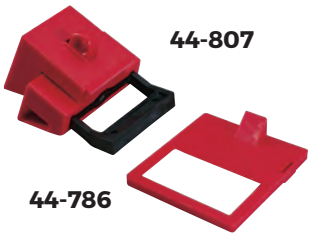


- Hinged single-pole lockout with locking post design, locks lever in off position to isolate and prevent breaker use
- Ideal for applications where panel closure is preferred

Description	Quantity	Part No.
Hinged Single-Pole Breaker Lockouts	Bag of 3	**44-810**

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	Voltage Rating	Quantity	Part No.
Single-Breaker Lockouts	120/277V	Bag of 3	**44-809**
Cleat for Single-Pole Breaker Lockouts		Bag of 3	**44-785**
Single/Multi-Pole Breaker Lockout	480/600V	1	**44-807**
Cleat for Single/Multi-Pole Breaker Outlets		Bag of 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**

Circuit Breaker Lockout System

- Covers most 120V - 277V breakers
- Works on wide range of breakers, including single- and multi-pole configurations
- Unique lock rail system:
  - Allows panel door to be closed when lockouts are in place
  - Accommodates multiple locks,
  - Keeps weight off the breakers
  - Positions locks and tags outside
- 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.
- **Clamp-on** – For use on breakers that do not have a hole in the switch tongue, including multiple breakers with tie bars.



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.

Circuit Breaker Lockouts



- Attaches securely to breaker with simple thumb turn and clamping handle
- Fits standard height and tie-bar toggles
- The narrow profile permits side-by-side breaker lockout

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

Plug Lockouts



44-819

- 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)

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**

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



44-772

- 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

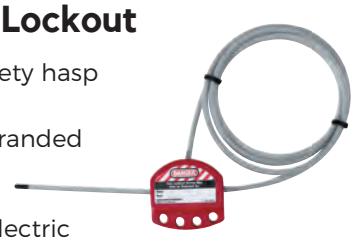


44-789

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.

Adjustable Cable Lockout



- Infinitely adjustable safety hasp and cable
- Tough, flexible multi-stranded 6 ft, ¼ in. dia. vinyl coated steel cable
- Tough, lightweight, dielectric thermoplastic body withstands chemicals; performs effectively in extreme conditions
- Reusable high-visibility, write-on safety labels (English, French & Spanish).

Description	Part No.
Adjustable Cable Lockout	**44-808**

Gate Valve Lockouts

44-825



44-817



- Valve sizes 1"-13", Set of 5 sizes (1"-3", 2"-5", 4"-6.5", 6"-10", 8"-13")
- Each size rotates into itself and nests within the next larger size to save space in storage
- Four workers can apply their personal safety locks
- Reusable high-visibility permanent safety labels (English, French & Spanish)
- 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.
2-1/2 in. to 5 in.	1	**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 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.

Safety Lockout Hasps

44-801



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

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

Labeled Safety Lockout Hasps

44-790



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

Description	Color	Quantity	Part No.
Labeled Safety Lockout Hasp – Do Not Operate	Red	1	**44-791**
Labeled Safety Lockout Hasp – Do Not Operate		Carton of 50	**44-1791**

Heavy-Duty Lockout Tags



44-830



44-832



44-833

- High-visibility lettering
- Laminated plastic tags have non-fade legends, resist corrosive and harsh environmental conditions
- 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	Card of 5	**44-830**
		Box of 100	**44-1830**
Heavy-Duty Lockout Tag – Do Not Operate - Electricians at Work	Heavy-Duty Laminated	Card of 5	**44-832**
	Economy Vinyl	Bag of 25	**44-843**
Heavy-Duty Lockout Tag – Do Not Operate - (red striped background)	Heavy-Duty Laminated	Card of 5	**44-833**
		Box of 100	**44-1833**

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)	Bag of 5	**44-841**

Flash Protection Labels and Signs



44-893



44-895



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 (in.)	Qty.	Part No.
NEC Arc Flash, Warning	Self-Sticking Polyester	3-1/2 x 5	Bag of 5	**44-892**
NEC Arc Flash, Warning		5 x 7	Bag of 5	**44-893**
NEC Arc Flash, Warning			Bag of 5	**44-894**
NEC Arc Flash, Danger		4 x 6	Bag of 5	**44-895**

Lockout Signs



44-877



44-878



44-890

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

Legend	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



Legend	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	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**	–	–

AEROSPACE

STRIPMASTER® & STRIPMASTER LITE WIRE STRIPPERS

Wire Strippers C-3
Blades C-4
Accessories C-4
Replacement Parts C-4

CUSTOM STRIPMASTER® WIRE STRIPPERS

Wire Strippers C-5
Accessories C-6
Replacement Parts C-6

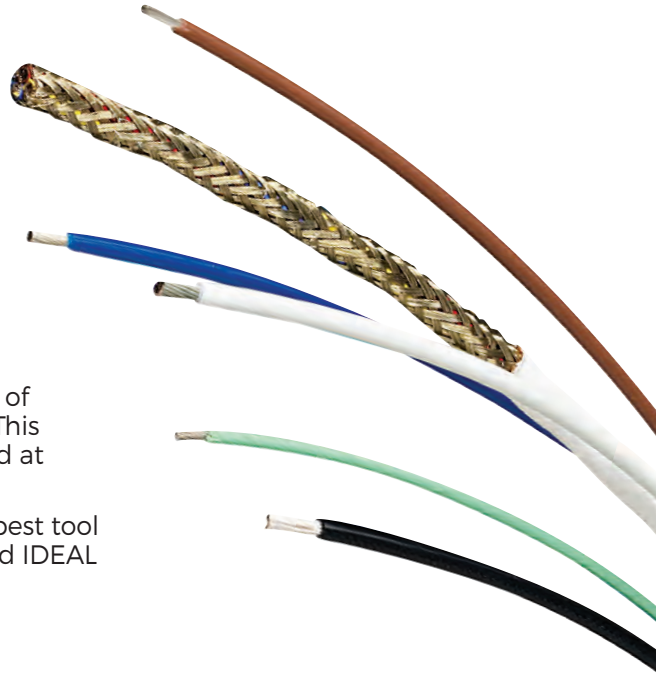
SPECIALTY WIRE STRIPPERS

Ergo-Elite Stripmaster® Wire Stripper C-7
MIL-Spec Application Guide C-8
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STRIPMASTER®
WIRE STRIPPERS



WIRE STRIPPING BASICS



There are two basic levels of wire stripping — precision and non-precision. The first type, precision wire stripping, is employed where extreme reliability and critical tolerances must be achieved. Aircraft, computers, aerospace, missiles, radar guidance systems, and communications systems are examples of applications where precision wire stripping is required. In many cases, the military standard is called for and meeting that standard is rigidly enforced and calls for the highest quality precision wire stripping.

The second, non-precision stripping, is used in the manufacturing of lighting fixtures, electrical appliances, automotive harnesses, etc. This requires wire strips that assure product reliability and are obtained at a relatively low cost.

For each type of wire stripping and production requirement, the best tool and/or method to get the job done right must be determined, and IDEAL Electrical is there to assist with free wire analysis.

STRIPMASTER® WIRE STRIPPERS



Stripmaster® & Stripmaster® Lite Wire Strippers
The versatile Stripmaster®/Stripmaster® Lite Wire Strippers are the standard of the industry. They incorporate a gripper that firmly holds the wire in a center-line position with the stripping hole. The lever action of the stripper offers a mechanical advantage that makes stripping easier. This aids in production applications and reduces operator fatigue. One squeeze strips the wire clean, up to a full 7/8 in. (22 mm). The jaws are automatically held open to allow removal of the wire without damaging its end. This stripper virtually eliminates all nicking, cutting or fraying on non-precision wire.



Custom Stripmaster® Wire Strippers
Custom Stripmaster® Wire Strippers set the industry standard in hand-held, precision wire stripping. They provide fast, accurate wire stripping with its one-step, squeeze-action stripping and unique precision blade design. They can be customized with your choice of gripper pads and blade sets to match your wire stripping requirements. Their comfort grip handles are color-coded to help quickly identify compatible wire gage. Red handles are used for larger wire (10–14 AWG) and black handles are used for smaller wire (16–30 AWG). The blades and grippers installed in the tool are specific to the application. Optional short-stop latch and transparent wire stop increases tool versatility and insures consistent strip lengths.



Custom Stripmaster® Lite Wire Strippers
The Custom Stripmaster® Lite Wire Stripper marks the beginning of a new era of light-weight, precision wire strippers designed specifically for improved operator comfort. It utilizes the same type of precision die-blade construction and features an optional short-stop latch and transparent wire stop. Built of sturdy die-cast zinc, this compact stripper weighs 50% less than its full-sized counterparts, and will impress you with both its ease of operation and durable performance.



Ergo Elite Stripmaster® Wire Stripper
The Ergo-Elite Stripmaster® Wire Stripper offers the latest light-weight, ergonomically engineered wire stripper for the aerospace industry. The tilted wire stripping head in this sleek 5 oz. design provides better leverage and clear view for wire positioning. The advanced jaw position ensures a quality strip on a wide range of wire gauges while eliminating potential scraping of the inner conductor and leaving a squared finish. Advanced blade design has a built-in guiding system for loading the wire properly into position.

Stripmaster® & Stripmaster® Lite Wire Strippers

- One-step stripping enhances productivity
- Precision-ground, knife-type blades provide clean, accurate stripping
- Sturdy die-cast zinc frame provides long-term durability
- Stripmaster® Lite designed for smaller hands — 3/4 the size of the standard Stripmaster®
- 90-day warranty



Stripmaster® Wire Strippers and Knife-Type Blades

Specifications — Stripping Holes Offered — Wire Size AWG													Replacement Blades (Pair) Part No.	Replacement Frame Part No.	Tool w/ Blades Part No.
6	8	10	12	14	16	18	20	22	24	26	28	30			
	•	•	•										L-4419	L-5620	45-090
		•	•	•	•	•							L-4420		45-091
		•	•	•	•	•	•	•					L-4421		45-092 or 45-292*
				•	•	•	•	•					L-4422		45-093
•	•	This tool has custom step grippers.											L-4453	—	45-096
					•	•	•	•	•	•			L-4994	L-5620	45-097
							•	•	•	•	•	•	L-5361		45-098
	•	•			•	•							L-8763		45-099

* Blister Card

Stripmaster® Lite Wire Strippers and Knife-Type Blades

Specifications — Stripping Holes Offered — Wire Size AWG										Replacement Blades (Pair) Part No.	Replacement Frame Part No.	Tool w/ Blades Part No.
12	14	16	18	20	22	24	26	28	30			
		•	•	•	•					LB-1001	LB-1421	45-671
						•	•	•	•	LB-1002		45-672
•	•	•	•	All stranded wire						LB-1003		45-673
•	•	•	•	12 & 14 Solid Wire, 16 & 18 Stranded Wire						LB-1004		45-674

Stripmaster® Wire Strippers and Knife-Type Blades for Metric Wire

Specifications — Stripping Holes Offered — Wire Size mm²													Replacement Blades (Pair) Part No.	Replacement Frame Part No.	Tool w/ Blades Part No.
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5	2.5	4	6	8	10			
												•	•	L-4419M	LA-2358	45-090-341
						•	•	•	•	•	•			L-4421M		45-092-341 or 45-292-341*
•	•	•	•	•	•									L-5361M		45-098-341

*Blister Card

Description	Blade Gap vertical height	Blade Only Part No.	Frame & Blade Part No.
Custom Steel frame only	—	—	LB-1091
Flat blade for 26 AWG (.40mm dia.) multi-conductor	.022 in.	LB-1151	45-890
Flat blade for 24 AWG (.00mm dia.) multi-conductor	.030 in.	LB-1152	45-891
Flat blade for 22 AWG (.64mm dia.) multi-conductor	.038 in.	LB-1153	45-892
Flat blade for 20 AWG (.00mm dia.) multi-conductor	.050 in.	LB-1154	45-893
Flat blade for 18 AWG (1.02mm dia.) multi-conductor	.060 in.	LB-1155	45-894
Flat blade for 16 AWG (1.29mm dia.) multi-conductor	.075 in.	LB-1156	45-895

Stripmaster® Lite Wire Strippers

Stripmaster® Lite Wire Strippers and Knife-Type Blades for Metric Wire

Specifications – Stripping Holes Offered									Replacement Blades (Pair) Part No.	Replacement Frame Part No.	Tool w/Blade Part No.
Wire Size mm²											
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5			
				•	•	•	•	•	LB-1001M	H-2909	45-671-341
•	•	•	•						LB-1002M		45-672-341

Coax Stripmaster® Wire Strippers & Blades



Description	Repl. Blade Part No.	Tool w/Blade Part No.
Coax Stripmaster® for RG-6	LB-740	45-262
Coax Stripmaster® for RG-59	LB-743	45-265

Coaxial Cables: two-step strip for termination, jacket and dielectric.

Optional Accessories



- Wire Stop provides uniform stripping length, range = 3/32" to 3/4"
- Short stop latches protect wire strands by limiting stripping stroke to 5/32 in. and retain slug until wire is ready for terminating.

Description	Part No.
Transparent Adjustable Wire Stop (for Stripmaster® Wire Strippers)	L-5270
Transparent Adjustable Wire Stop (for Stripmaster® Lite Wire Strippers)	LB-1195
Transparent Adjustable Wire Stop (for Metric Stripmaster® Wire Strippers)	45-2019



Transparent wire stop provides uniform stripping length.

Stripmaster® Wire Strippers with Rectangular Holes



Description	Replacement Blades (Pair) Part No.	Tool w/ Blade Part No.
For Flat Telephone Cable (.060 in. or 1.52mm)	LB-1155	N/A
For European Flat Lamp Cord	L-8762	45-089
For SP-SPT Lamp Cord	L-4452	45-095*

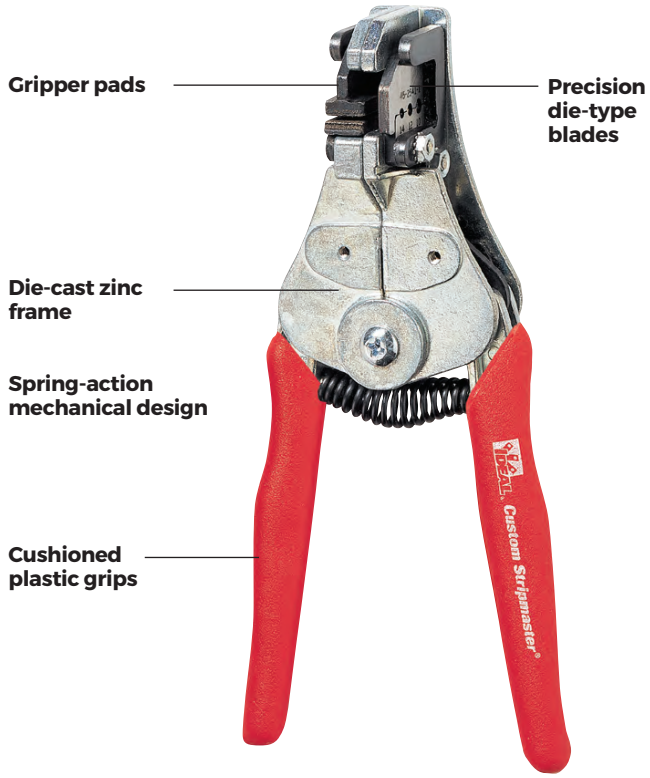
*Also strips 2- and 3-conductor low-voltage wire used in E.E. and Touch plate remote control wiring system.

Replacement Parts

Description	Part No.
Replacement Frame for Stripmaster® Wire Strippers	L-5620
Replacement Frame for Stripmaster® Lite Wire Strippers	LB-1421
Replacement Moveable Gripper for Stripmaster® Wire Strippers	L-1953
Replacement Moveable Gripper for Stripmaster® Lite Wire Strippers	K-6603

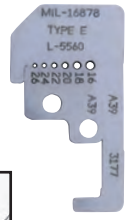
Custom Stripmaster® Wire Strippers

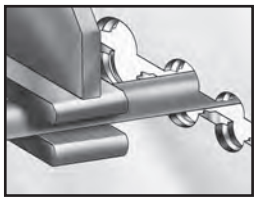
- Strips 30 - 10 AWG solid or stranded wire
- Mil-spec die-type blades allow precision stripping
- Inner cutting hole sized to conductor and counter-bored holes sized to insulation
- Replaceable grippers
- Optional short stop-latch and transparent wire stop
- Cushioned, comfort grip handles
- Engineering service and made-to-order blades available. Contact factory for complete product and blade number listing.
- Meets SAE-AS5768 Standards
- 90-day warranty



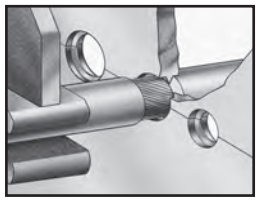
Precision Counter-bored Die-Type Blades

- Meets SAE-AS5768 Standards
- Outer counter-bore hole, sized to insulation while inner-hole cuts insulation without contacting the conductor during stripping.





Gripper pads hold the wire securely in a centerline relationship with the blade.



Die-type blades incorporate a counter-bored hole sized to the insulation and an inner cutting hole sized to the conductor. This varies depending on insulation type and thickness.

Custom Stripmaster® Lite Wire Strippers

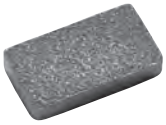
- Custom Stripmaster® Lite is 3/4's the size of Custom Stripmaster® Wire Stripper and strips 16 - 30 AWG solid or stranded wire
- Custom Stripmaster® Lite requires one-third less hand pressure for each strip actuation
- Engineering Service and made-to-order blades available. Contact factory for complete product and blade number listing.
- Meets SAE-AS5768 Standards
- 90-day warranty



Proper tool selection can be made via our MIL-Spec application guide (pgs. C-10 through C-12) or through our free application engineering service.

Free Application Engineering Service available. Contact IDEAL Electrical for complete information at 1-800-324-9571.

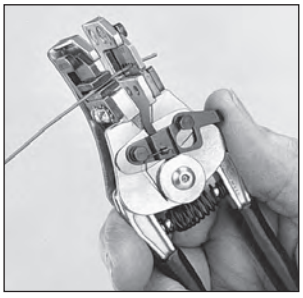
Replacement Gripper Pads



For Custom Stripmaster® and Custom Steel Stripmaster® Wire Strippers				
Surface Type	**AWG**	**Gripper Set* Part No.**	**Movable Gripper Part No.**	**Stationary Gripper Part No. (Thickness)**
Grit**	10-14	**LB-197**	**L-5212**	**L-5215** (.129 in.)
Grit**	16-30	**LB-198**		**L-5217** (.156 in.)
File‡	10-14	**LB-721**	**LB-718**	**LB-719** (.129 in.)
File‡	16-30	**LB-722**		**LB-720** (.156 in.)
Parallel	10-14	**LB-730**	**LB-727**	**LB-728** (.129 in.)
Parallel	16-30	**LB-731**		**LB-729** (.156 in.)

For Custom Stripmaster® Lite Wire Strippers			
Surface Type	**Gripper Set* Part No.**	**Movable Gripper Part No.**	**Stationary Gripper Part No. (Thickness)**
Grit**	**LB-1188**	**LB-882**	**LB-883** (.109 in.)
File‡	**LB-1189**	**LB-1184**	**LB-1185** (.109 in.)
Parallel	**LB-1190**	**LB-1186**	**LB-1187** (.109 in.)

* Gripper Set includes one movable gripper and one stationary gripper.
** Grit pads are standard for most Custom Stripmaster® and Custom Stripmaster® Lite products.
‡ For use on hard-to-grip surfaces.
Gripper pad selection depends on insulation type and user preference.
Note: For 10-14 AWG, use .129 in. stationary gripper. For 16-30 AWG, use .156 in. gripper.



Short-stop Latch protects wire strands by limiting the stripping stroke to 5/32 in. and retains the slug until the wire is ready for terminating.



Transparent wire stop provides uniform stripping length.

Replacement Frame Assemblies with Grit Grippers

For Custom Stripmaster® Wire Strippers	Part No.
Frame only, 10-14 AWG	**L-5616**
Frame only, 16-30 AWG	**L-5617**
Frame only, 10-14 AWG, Wire Stop and Latch	**L-5618**
Frame only, 16-30 AWG, Wire Stop and Latch	**L-5619**
Frame only, 10-14 AWG, internal spring (see note)	**L-9039**
Frame only, 16-30 AWG, internal spring (see note)	**L-9038**

Note: Frames with internal springs allow additional blade penetration pressure for difficult and multi-layered insulation types.

For Custom Stripmaster® Lite Wire Strippers	Part No.
Frame only	**LB-895**
Frame, Wire Stop and Latch	**LB-896**

For Custom Steel Stripmaster® Wire Strippers	Part No.
Frame only, 10-14 AWG	**LB-1091**
Frame only, 16-30 AWG	**LB-1092**
Frame only, 10-14 AWG, internal spring (see note)	**LB-1090**
Frame only, 16-30 AWG, internal spring (see note)	**LB-1089**
Frame only, Metric	**45-2575**

Note: Frames with internal springs allow additional blade penetration pressure for difficult and multi-layered insulation types.

Optional Accessories



- Wire Stop provides uniform stripping length, range = 3/32" to 3/4"
- Short stop latches protect wire strands by limiting stripping stroke to 5/32 in. and retain slug until wire is ready for terminating.

Description	Part No.
Transparent Adjustable Wire Stop (for Stripmaster® Wire Strippers)	**L-5270**
Transparent Adjustable Wire Stop (for Stripmaster® Lite Wire Strippers)	**LB-1195**
Transparent Adjustable Wire Stop (for Metric Stripmaster® Wire Strippers)	**45-2019**
Short Stop Latch for Custom & Custom Steel Stripmaster® Wire Strippers	**L-5269**
Short Stop Latch for Custom Stripmaster® Lite Wire Strippers	**LB-1194**

ERGO-ELITE STRIPMASTER® WIRE STRIPPER

- Ergonomically engineered for superior comfort, balance and control
- Tool constructed of rigid polymer reinforced with carbon fiber providing excellent strength at 40% the weight of metal hand tools
- Unmatched precision blades with a patented, revolutionary design
- Tilted head assembly maintains a neutral wrist posture allowing an unobstructed view of wire positioning
- One-step stripping action, grips, penetrates and removes wire insulation with unmatched precision in one effortless squeeze



Accessories

Description	Part No.
Ergo-Elite Stripmaster® Frame Only, less blades	**LB-4617**
Ergo-Elite Stripmaster® Frame w/grit pad, less blades	**LB-4618**
Ergo-Elite Stripmaster® Frame w/parallel pad, less blades	**LB-4619**
Gripper Set, Ergo-Elite Stripmaster®, Grit	**LB-4620**
Gripper Set, Ergo-Elite Stripmaster®, Parallel	**LB-4621**
Ergo-Elite Stripmaster® Wire Stop	**LB-1904**

SEE WWW.IDEALELECTRICALINC.COM FOR WARRANTY INFORMATION.

MIL-SPEC APPLICATION GUIDE FOR COMMON WIRE | CABLE TYPES

	Custom Stripmaster®			Custom Stripmaster® Lite			Ergo-Elite Stripmaster®		
	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only
5 MDI AIRFRAME TYPE A&B	10-14	**45-2691**	**45-2691-1**	N/A 16-24	**N/A** **45-2685**	**N/A** **45-2685-1**			
5 MDI HOOK-UP TYPE C	10-14	**45-2694**	**45-2694-1**	N/A 16-22 20-26	**N/A** **45-2693** **45-2692**	**N/A** **45-2693-1** **45-2692-1**			
AD	16-26 10-14	**45-2824** **45-2825**	**45-2824-1** **45-2825-1**	N/A N/A	**N/A** **N/A**	**N/A** **N/A**			
AEP System 2112	16-26	**45-1987**	**45-1987-1**				16-24	**45-2903**	**45-2903-1**
AK	16-26	**45-1513**	**45-1513-1**	16-22 20-26	**45-2128** **45-2129**	**45-2128-1** **45-2129-1**			
AKA	16-26 16-26 10-14 10-14	**45-1654** **45-171** **45-1608** **45-170**	**45-1654-1** **L-5211** **45-1608-1** **L-5210**	16-24 16-22 N/A N/A	**45-2132** **45-632** **N/A** **N/A**	**45-2132-1** **LB-912** **N/A** **N/A**			
AKB	16-26 16-26 10-14 10-14	**45-1654** **45-171** **45-1608** **45-170**	**45-1654-1** **L-5211** **45-1608-1** **L-5210**	16-24 16-22 N/A N/A	**45-2132** **45-632** **N/A** **N/A**	**45-2132-1** **LB-912** **N/A** **N/A**			
BE	16-26 10-14	**45-171** **45-170**	**L-5211** **L-5210**		**45-632**	**LB-912**			
BF	18-24 12-14 10-14	**45-1773** **45-1774** **45-1939**	**45-1773-1** **45-1774-1** **45-1939-1**	16-22 20-26	**45-2126** **45-2127**	**45-2126-1** **45-2127-1**	16-26	**55-1773**	**55-1773-1**
5 Mil Kapton							16-26	**55-1633**	**55-1633-1**
BMS13-31							16-22	**55-1500**	**55-1500-1**
BMS13-48 TYPES 1-7, 25, 26, 30 (6mil Wall Thickness)	16-26 10-14	**45-1551** **45-2500**	**45-1551-1** **45-2500-1**	16-24	**45-2612**	**45-2612-1**	16-26	**55-1987**	**55-1987-1**
BMS13-48 TYPES 10-14, 27, 28, 31, 32, 35, 36 (8mil Wall Thickness)	16-26 10-14 10-14	**45-1654** **45-2500** **45-1611**	**45-1654-1** **45-2500-1** **45-1611-1**	16-24	**45-2132**	**45-2132-1**	16-26	**55-1987**	**55-1987-1**
BMS13-48 TYPES 8, 9, 15, 23, 24 (10mil Wall Thickness)	16-26 10-14 10-14	**45-1987** **45-2500** **45-1611**	**45-1987-1** **45-2500-1** **45-1611-1**	16-24	**45-2133**	**45-2133-1**	16-26	**55-1987**	**55-1987-1**
BMS13-52							22-26	**55-2934**	**55-2934-1**
BMS13-58							16-22	**55-2904**	**55-2904-1**
BMS13-60 TYPE 1-6, 19-21, 23-27, 33-34	10-14 16-26	**45-2541** **45-2543**	**45-2541-1** **45-2543-1**	N/A 16-24	**N/A** **45-2697**	**N/A** **45-2697-1**	16-24	**55-2543**	**55-2543-1**
BMS13-60 TYPE 12-18, 28-32	10-14 16-24	**45-2542** **45-2544**	**45-2542-1** **45-2544-1**	N/A N/A	**N/A** **N/A**	**N/A** **N/A**			
BMS13-60 TYPE 13-18, 28-32	16-24	**45-2686**	**45-2686-1**	16-24	**45-2698**	**45-2698-1**			
BMS13-60 TYPE 7-12	10-14 16-26	**45-2565** **45-2564**	**45-2565-1** **45-2564-1**	N/A N/A	**N/A** **N/A**	**N/A** **N/A**	16-26	**55-2564**	**55-2564-1**
BMS13-78							16-22	**55-2933**	**55-2933-1**
BMS13-80							22-26	**55-2934**	**55-2934-1**
CF	18-24 12-14	**45-1773** **45-1774**	**45-1773-1** **45-1774-1**	16-22 20-26	**45-2126** **45-2127**	**45-2126-1** **45-2127-1**	16-26	**55-1773**	**55-1773-1**
DE	16-26 10-14	**45-171** **45-170**	**L-5211** **L-5210**	16-22	**45-632**	**LB-912**			
DK	10-14 12-14 10-14	**45-1773** **45-1774** **45-1939**	**45-1773-1** **45-1774-1** **45-1939-1**	N/A	**N/A**	**N/A**	16-26	**55-1773**	**55-1773-1**
DL	10-14	**45-1939**	**45-1939-1**	N/A	**N/A**	**N/A**	16-22	**55-2905**	**55-2905-1**
DM	10-14 16-24	**45-1939** **45-2811**	**45-1939-1** **45-2811-1**	N/A	**N/A**	**N/A**			

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MIL-SPEC APPLICATION GUIDE FOR COMMON WIRE | CABLE TYPES

	Custom Stripmaster®			Custom Stripmaster® Lite			Ergo-Elite Stripmaster®		
	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only
DR	16-26 10-14 16-26	**45-2824** **45-2825** **45-2828**	**45-2824-1** **45-2825-1** **45-2828-1**	N/A N/A N/A	**N/A** **N/A** **N/A**	**N/A** **N/A** **N/A**			
JN 1007 CH 002 TO 012	16-24	**45-2775**	**45-2775-1**				16-24	**55-2775**	**55-2775-1**
JN 1007 CH 020 to 030	12-14	**45-2776**	**45-2776-1**						
MIL-W-16878/4	10-14	**45-1611**	**45-1611-1**	N/A	**N/A**	**N/A**	16-26	**55-5560**	**55-5560-1**
MIL-W-16878/5	16-26	**45-174**	**L-5563**	16-22	**45-635**	**LB-915**			
MIL-W-22759/11/12/22/23	16-26 26-30	**45-177** **45-178**	**L-5560** **L-5561**	16-24 18-26 24-30	**45-2138** **45-2139** **45-640**	**45-2138-1** **45-2139-1** **LB-920**	16-26	**55-5560**	**55-5560-1**
MIL-W-22759/16/17	10-14 16-26	**45-1611** **45-1987**	**45-1611-1** **45-1987-1**	N/A 16-24 20-26	**N/A** **45-2133** **45-2118**	**N/A** **45-2133-1** **45-2118-1**	16-26	**55-1987**	**55-1987-1**
MIL-W-22759/18/19	10-14 16-26	**45-1608** **45-1551**	**45-1608-1** **45-1551-1**	N/A 16-24 20-26	**N/A** **45-2612** **45-2125**	**N/A** **45-2612-1** **45-2125-1**			
MIL-W-22759/32/33/ 44/45/46	16-26 16-26	**45-1987** **45-1654**	**45-1987-1** **45-1654-1**	16-24 20-26 16-24 20-26	**45-2133** **45-2118** **45-2132** **45-2114**	**45-2133-1** **45-2118-1** **45-2132-1** **45-2114-1**	16-26	**55-1987**	**55-1987-1**
MIL-W-22759/7/8							16-22	**55-1500**	**55-1500-1**
MIL-W-22759/80/81/ 82/91/92	10-14 16-24	**45-2542** **45-2544**	**45-2542-1** **45-2544-1**	16-22 20-26	**45-2693** **45-2692**	**45-2693-1** **45-2692-1**			
MIL-W-22759/83/84/85/86/ 87/88/89/90	10-14 16-26 16-26	**45-2541** **45-2543** **45-2618**	**45-2541-1** **45-2543-1** **45-2618-1**	N/A 16-24 16-24	**N/A** **45-2685** **45-2799**	**N/A** **45-2685-1** **45-2799-1**	16-26	**55-2685**	**55-2685-1**
MIL-W-24640/19/22/23/24	14-22	**45-1957**	**45-1957-1**	N/A	**N/A**	**N/A**			
MIL-W-25038/3							16-22	**55-2902**	**55-2902-1**
MIL-W-5086 TYPE I MIL-W-5086 TYPE II	8-12 10-14 16-22	**45-1192** **45-1159** **45-1302**	**45-1192-1** **45-1159-1** **45-1302-1**	N/A N/A N/A	**N/A** **N/A** **N/A**	**N/A** **N/A** **N/A**			
MIL-W-5086/1/7	16-26	**45-171**	**L-5211**	24-30	**45-634**	**LB-914**			
MIL-W-81044/11/12/13	10-14 10-14 16-26 26-30	**45-1611** **45-2500** **45-1987** **45-178**	**45-1611-1** **45-2500-1** **45-1987-1** **L-5561**	N/A N/A 16-24 20-26 24-30	**N/A** **N/A** **45-2133** **45-2118** **45-640**	**N/A** **N/A** **45-2133-1** **45-2118-1** **LB-920**	16-26	**55-1987**	**55-1987-1**
MIL-W-22759/34/35/41/42/43	10-14 10-14 16-26 26-30	**45-1611** **45-2500** **45-1987** **45-178**	**45-1611-1** **45-2500-1** **45-1987-1** **L-5561**	N/A N/A 16-24 20-26 24-30	**N/A** **N/A** **45-2133** **45-2118** **45-640**	**N/A** **N/A** **45-2133-1** **45-2118-1** **LB-920**	16-26	**55-1987**	**55-1987-1**
MIL-W-81044/16/17	10-14 16-26	**45-1611** **45-1610**	**45-1611-1** **45-1610-1**	N/A N/A 20-26 16-24	**N/A** **N/A** **45-2112** **45-2131**	**N/A** **N/A** **45-2112-1** **45-2131-1**			
MIL-W-81044/4/5/6	10-14	**45-170**	**L-5210**	16-22 20-26	**45-632** **45-633**	**LB-912** **LB-913**			
MIL-W-81044/8/9/10	10-14 16-26 26-30	**45-173** **45-174** **45-175**	**L-5662** **L-5563** **L-5564**	N/A 16-22 24-30 20-26	**N/A** **45-635** **45-637** **45-636**	**N/A** **LB-915** **LB-917** **LB-916**	16-26	**55-2901**	**55-2901-1**
MIL-W-81381/1/2/6/7/ 8/9/10/17/21	10-14 16-26 26-30	**45-1609** **45-1551** **45-178**	**45-1609-1** **45-1551-1** **L-5561**	N/A 16-24 20-26 24-30	**N/A** **45-2612** **45-2125** **45-640**	**N/A** **45-2612-1** **45-2125-1** **LB-920**			

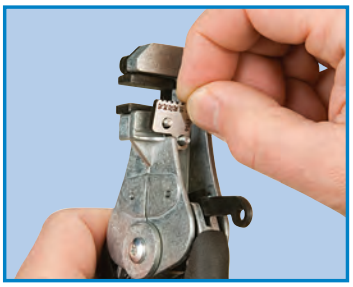
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MIL-SPEC APPLICATION GUIDE FOR COMMON WIRE | CABLE TYPES

	Custom Stripmaster®			Custom Stripmaster® Lite			Ergo-Elite Stripmaster®		
	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/Blade	Replacement Blade Only
MIL-W-81381/11/12/13/14/22	10-14 16-26 26-30	**45-1608** **45-1654** **45-178**	**45-1608-1** **45-1654-1** **L-5561**	N/A 20-26 16-24 24-30	**N/A** **45-2114** **45-2132** **45-640**	**N/A** **45-2114-1** **45-2132-1** **LB-920**			
MIL-W-81381/17/21	16-26 16-26 16-26 16-26	**45-1523** **45-1672** **45-1633** **55-1633**	**45-1523-1** **45-1672-1** **45-1633-1** **45-1633-1**	20-26 16-24 N/A N/A	**45-2120** **45-2121** **N/A** **N/A**	**45-2120-1** **45-2121-1** **N/A** **N/A**	16-26	**55-1633**	**55-1633-1**
MIL-W-81381/18/19/20	10-14 16-26 16-26	**45-1609** **45-1672** **45-1551**	**45-1069-1** **45-1672-1** **45-1551-1**	N/A 16-24 20-26	**N/A** **45-2612** **45-2125**	**N/A** **45-2612-1** **45-2125-1**			
MIL-W-81381/3/4	26-30	**45-175**	**L-5564**	24-30	**45-637**	**LB-917**			
MIL-W-85485/5/6/7/8	10-14 16-24	**45-1925** **45-1924**	**45-1925-1** **45-1924-1**	N/A N/A	**N/A** **N/A**	**N/A** **N/A**			
MIL-W-85485/9/10	16-26	**45-1610**	**45-1610**		**45-2131**	**45-2131-1**			
MIL-W-85485/9/10/11/12		**45-1611**	**45-1611-1**		**N/A**	**N/A**			
PAN 6411 DP 002 TO 012	16-24	**45-2801**	**45-1773-1**	16-22 20-26	**45-2126** **45-2127**	**45-2126-1** **45-2127-1**			
PAN 6411 DP 020 & 030	12-14	**45-2802**	**45-1774-1**	N/A	**N/A**	**N/A**			
PAN 6420 YR 004 TO 006	16-26	**55-2903**	**55-2903-1**				16-26	**55-2903**	**55-2903-1**
PAN 6429 BE 002 TO 006	16-24	**45-171**	**L-5211**	16-22	**45-632**	**LB-912**			
PAN 6588TW002							16-24	**55-2775**	**55-2775-1**
Raychem 44A021X, 44/051X	10-14	**45-176**	**L-5559**	N/A	**N/A**	**N/A**			

CALIBRATION PROCEDURES

For Custom Stripmaster® and Custom Stripmaster® Lite Wire Strippers plus Stripmaster® and Stripmaster® Lite



Step 1

Dismount the blades, then place the lower stationary blade half over the blade mounting studs.



Step 2

The blade dogleg should be attached first then depressed to seat itself. Slightly depress blade handle to allow the blade to be properly seated. Insert the dogleg of the upper movable blade into the locating slot of the side latch.



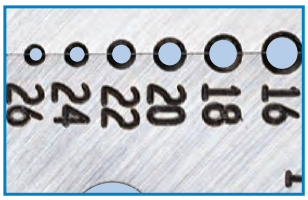
Step 3

Position the blade retaining plate over the mounting studs. Install split lock washers and hex nuts onto the mounting studs. Do not tighten hex nuts at this time.



Step 4

First, position the lower blade half cutting surface in line with the lower gripper pad surface by slightly depressing the gripper handle. Depress both handles just enough to allow the top and bottom blade surfaces to meet. (DO NOT exert too much pressure on the handles could force the bottom blade out of alignment.) Now tighten the hex nuts to a maximum torque value of 10 in. lbs./1.13 newton meter.



Step 5

Visually check the upper and lower blade alignment by depressing the blade handle only until the blade surfaces make contact. Leaving the gripper pads in the open position, look at the blade cutting holes and mating surface between holes. This is most effectively accomplished with a light source behind the stripper. Look for light in cracks between the cutting holes. If light can be seen in these areas, inspect the blades' mating surfaces for debris or imperfections. Clean the blades and check for light "leaks" again. If the blades have debris or imperfections, set-up was not correctly performed. In this case, repeat the set up procedures.

Step 6

The final checking procedure to confirm proper blade set-up and calibration is to perform a series of strips on wire samples for which the blades were designed. In doing so, be sure the one step stripping action is smooth with positive slug removal. During the stripping process check that the wire does not slip in the grippers and that the wire is not excessively bent by the gripper pads. Finally, closely inspect the stripped wire to be certain there are no nicks, scrapes or other defects in the conductor. Should any of the above occur, repeat the blade set-up and calibration procedures. Also, be certain that the sample wire is indeed correctly matched with the cutting blades used. Refer to the blade reference charts for blade selection guidelines.

Optical Comparator

Some customers will have access to an optical comparator which can assist in determining proper blade alignment. In this case, light is used to project blade gap onto a screen. A template affixed to the screen verifies blade hole size and position. A fixture should be used for repeat comparisons. This fixture blocks the moveable blade into the stationary blade.

Caution: Never plug or mechanically gauge blade holes as this could result in damage to the blade. With the cutting blades properly set up and calibrated, the Custom Stripmaster® and Standard Stripmaster® Wire Strippers provide automatic, repeatable and superior quality wire stripping in a wide variety of production applications. Quality control and efficiency are assured.

Omega Stripmaster® Wire Stripper



Capable of reaching into tight spaces.

- Adjustable transparent wire stop for precision strip lengths
- Cushioned comfort grip
- Multi-colored grips available to differentiate wire gauges, wire types or strip lengths
- Replaceable blades (sold separately)

Description	Part No.
Omega Stripmaster® Wire Stripper	**65-0150**

Blades

- Die-type blades help provide proper alignment and a quality strip.
- Blades sold separately
- Submit wire samples to determine the proper precision blade for application
- Precision blades available for use with Mil-Spec wire.



V-Notch Wire Cutter

- Full bypass shear cutter
- Spring loaded
- Provides precision wire cutting and trimming
- Preserves wire symmetry



Description	Part No.
V-Notch Cutter	**45-353**

T®-Cutter Lite Wire Cutter

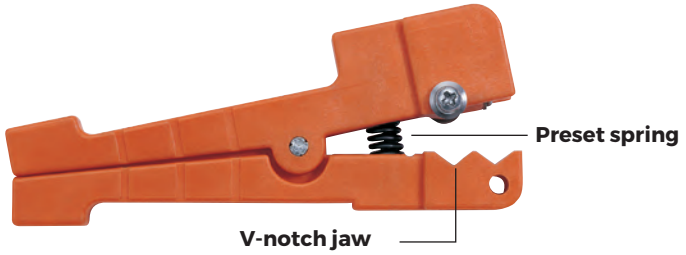
- Knife-type blade provides a shear-type cut
- Lightweight, compact design with cushioned ESD grip
- Perfect for copper and aluminum wire

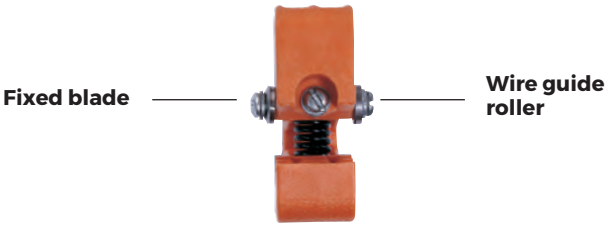


Description	Part No.
T®-Cutter Lite Wire Cutter	**45-260**
Adjustable Transparent Wire Stop	**L-5270**

RINGER™ SHIELDED CABLE STRIPPER

- Spring-loaded cutting head with fixed blades are sized to insulation, eliminating adjustments.
- V-notch jaw automatically positions and holds cable, increasing cutting accuracy
- Fixed blades are sized to insulation, preventing inaccurate cuts and stainless steel construction assures long life.
- Small, lightweight design maximizes productivity while reducing fatigue.
- Wire guide roller maintains stripping head alignment, producing a square, clean cut.
- Accessory wire stop guarantees accurate repeatable strip lengths.





APPLICATIONS



Place cable in the v-notch closest to pivot below blade. Rotate the tool down and away from you as many times as necessary to score insulation.



Remove the tool and bend cable at high spots on the score line, breaking the insulation loose.



Use the front blade to make a length-wise cut for removing long insulation slugs.



Use IDEAL Gripper™ Slug Remover (45-333) to grasp slug and pull (sold separately).



45-400
For cable diameters up to 0.12". Blades sold separately (listed below).



45-401
For 5 Mil insulation thickness, including Kapton®. Comes with K-6492 blade. Cable diameter from .012" to .22".



45-402
For 8-10 Mil insulation thickness, including Kynar®. Comes with K-6493 blade. Cable diameter from .012" to .22".



45-403
For cable from .012 to .22 diameter. Blades sold separately (listed below).



45-404
With "deep-V" for larger cable diameters; up to 0.30". Blades sold separately (listed below).

Kapton® is a registered trademark of E.I. duPont de Nemours and Company. Kynar® is a registered trademark of Pennwall.

BLADES

For use with any Ringer™ Shielded Cable Stripper. Select blade with cutting depth less than insulation thickness. Contact IDEAL INDUSTRIES, INC. for FREE Application Engineering Service, blade selection, and special stripping requests.

Cutting Depth	Part #
.0030"	**K-6491**
.0044"	**K-6492**
.0060"	**K-6493**
.0070"	**K-6494**
.0080"	**K-6495**
.0090"	**K-6496**

Cutting Depth	Part #
.0100"	**K-6497**
.0110"	**K-6498**
.0120"	**K-6499**
.0130"	**K-6500**
.0140"	**K-6501**
.0160"	**K-6502**

Cutting Depth	Part #
.0180"	**K-6503**
.0200"	**K-6504**
.0220"	**K-6505**
.0250"	**45-2108-1**

WIRE STOPS

Strip Length	
Up to 2-1/2"	**LB-825**
2-1/2" to 5"	**LB-840**

IDEAL GRIPPER™

Description	
Slug Remover	**45-333**

STRIPMASTER® 950 & 954



This electrically operated, pneumatic precision wire stripping unit is engineered to get the job done right every time. It accommodates six different wire sizes without switching tools or blade sets, making it one of the most versatile wire strippers IDEAL offers.

45-950 - Interchangeable wire guide bushings machine
It allows an easier reconfiguration of the machine in case a different scope of work is required. Individual blades and grippers (bushings) can be purchased separately from IDEAL and allow a fast and easy reconfiguration of the machine.

45-954 - A variation of the 950 model and comes with permanent gripper assembly. It is designed for "hard to grip" wires and provides longer gripper life in high production usage.

- Meets AS5768 quality standard
- Pneumatic precision wire stripper automatically strips 30 AWG through 10 AWG solid or stranded wire
- Accommodates six different wire diameters without switching tool or blade sets
- Electronic triggering for easy and accurate strips
- Meets military and commercial wire stripping specifications
- Replaceable wire guides and blades for maximum flexibility
- Controls strip length accurately from 3.175 mm / .125 in. min. to 16mm / .630 in. max.
- Individual adjustable strip lengths for each port
- Eliminates repetitive motion disorders
- The drawer allows easy access for maintenance and recommended daily cleaning using compressed air to remove slugs

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Description	Cat. No.
Stripmaster® with individually adjustable strip lengths per stripping hole*	**45-950**
Stripmaster® with permanent gripper assembly installed	**45-954**

*5 ft./1.5 m. of wire for each wire stripping hole must be supplied at time of order.

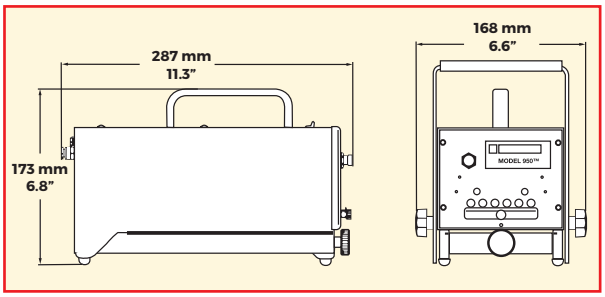
TECHNICAL DATA

Strip Lengths:	Minimum: 3mm / .125 in. Maximum: 16mm / .630 in.
Capacities:	Minimum: 0.05mm²/ 30 AWG Maximum: 6.0mm² / 10 AWG
Voltage:	12V required for operation. 120V/60Hz transformer supplied as standard. For 220V/50Hz application, order 45-951 transformer.
Air Pressure:	65 PSI max.
Air Filter	Recommended, but not required.
Blade Type:	Heat treated steel knife or die type blades are available.
Guide Bushings:	Precision molded and machined Delrin®.
Dimensions:	Width: 168 mm / 6.6 in. Depth: 287 mm / 11.3 in. Height: 173 mm / 6.8 in.
Weight:	5.9 kgs / 13 lbs.
Warranty:	Machine - 90-day warranty

Delrin® is a registered trademark of Dupont de Nemours, inc.

Description	Cat. No.
Standard blade and bushings	**Consult Factory**
Air filter/regulator	**45-906**
Permanent Gripper Assembly	**45-950-4**
220V, 50Hz Transformer	**45-951**
Hex Key Set	**691.020**
12V Adapter (transformer)	**K-7156**

DIMENSIONAL INFORMATION



PRODUCTION RATES

Production Conditions	Pieces/Hour	Hours/100 Pcs.
Short Strip 3mm / 1/8 in.	2,200–3,000	.033–.040
Medium Strip 6mm / 1/4 in.	2,000–2,200	.046–.056
Long Strip 13mm / 1/2 in.	1,500–1,700	.059–.067

PNEUMATIC WIRE STRIPPERS

- Hand-held pneumatic powered wire strippers for various single wire conductors
- Interchangeable blade offers versatility using either the Custom Stripmaster® Die-Type blade series for Mil-Spec wire stripping applications or the standard Stripmaster® Knife-Type blade series for general purpose wire stripping
- Rotating stripping head for ease of left-hand or right-hand operation
- Adjustable Speed Control allows the operator to regulate the speed of the stripping operation
- In-line stripping reduces potential blade contact with conductors

Standard Pneumatic Wire Stripper

- Uses Custom Stripmaster® and standard Stripmaster® 16-30 AWG blades.
- Blades sold separately.
- Refer to specification charts for Stripmaster® and Custom Stripmaster® blade selection.
- For Mil-Spec blades not referenced in this catalog, refer to the Aerospace Catalog or take advantage of our free Applications Engineering service for wire evaluation.



Description	Part No.
Standard Pneumatic Wire Stripper	**45-2530**

Heavy-Duty Pneumatic Wire Stripper

- Uses Custom Stripmaster® and standard Stripmaster® 10-30 AWG blades.
- Blades sold separately.
- Refer to specification charts for Stripmaster® and Custom Stripmaster® blade selection.
- For Mil-Spec blades not referenced in this catalog, refer to the Aerospace Catalog or take advantage of our free Applications Engineering service for wire evaluation.



Description	Part No.
Heavy-Duty Pneumatic Wire Stripper	**45-650**

Technical Information

		45-2530	45-600	45-650
Strip Lengths	Minimum:	1/8 in.		
	Maximum:	1/2 in.		
Dimensions	Length:	6-5/8 in.	7-7/8 in.	8-7/8 in.
	Width:	2 in. dia.	1-1/2 in. dia.	1-7/8 in. dia.
	Height:	2-5/8 in.	2-1/2 in.	2-5/8 in.
	Weight:	1.75 lb.	1.65 lb.	2.32 lb.
Air Requirements (5CFM/Cycle)		.002	.002	.004
PSI Requirements		80-120 PSI	80-120 PSI	95-120 PSI
Air Hose Length		9 ft.		
Warranty		90-Day Warranty		

Lite Pneumatic Wire Stripper

- Uses Custom Stripmaster® Lite and standard Stripmaster® Lite 16-30 AWG blades.
- Blades sold separately.
- Refer to specification charts for Stripmaster® Lite and Custom Stripmaster® Lite blade selection.
- For Mil-Spec blades not referenced in this catalog, refer to the Aerospace Catalog or take advantage of our free Applications Engineering service for wire evaluation.



Description	Part No.
Lite Pneumatic Wire Stripper	**45-600**

Pneumatic Wire Stripper Accessories

Description	Part No.
Wire Stop (45-2530 & 45-650)	**L-5270**
Wire Stop (45-600)	**LB-1195**
Air Regulator (45-2530, 45-650 & 45-600)	**45-906**



Rotating Stripping Head

SEE WWW.IDEALELECTRICALINC.COM FOR WARRANTY INFORMATION.

FREE APPLICATION ENGINEERING SERVICE

Whatever your particular wire or cable preparation challenge, we're ready to assist you with practical solutions. Simply send us at least five feet of your wire or cable and complete the questionnaire below. Copy this form and mail to:

IDEAL INDUSTRIES, INC.
Precision Tool Lab
Attn: Wire Stripping Applications Analysis
1800 S. Prairie Drive; Sycamore, Illinois 60178

We'll quickly recommend a practical stripping or cutting solution designed to meet your needs. Remember, this is a free service that we're eager to provide whenever you need it.

For immediate assistance, call our Industrial Support Line at 800-324-9571 or e-mail industrial@idealindustries.com.

Wire Stripping Recommendations

Completion of this information is a request for recommended tools or equipment only and does not place the individual or the company inquiring under any obligation to purchase. This is a free service of IDEAL INDUSTRIES, INC., Sycamore, Illinois.

Please enclose at least **five feet of your wire or cable** and answer the following questions to expedite a reply for your particular application.

1. **Method Preference:**
   - A. **Hand Type**
   - B. **Production Strippers**
     1. **45-950 Stripmaster® Model 950 Wire Stripper**
2. **Stripping Tolerance:**
   - A. **Precision**
   - B. **Non-Precision**
3. **Present Method:** _____
4. **Type of Insulation:** _____

Customer Information

Please enclose business card or complete the following:

Name _____

Title _____

Company _____

Street _____

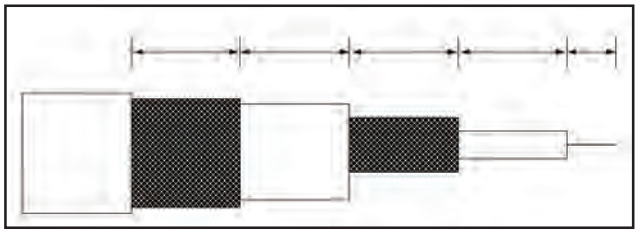
City _____ State _____ Zip _____

Phone _____ Fax _____

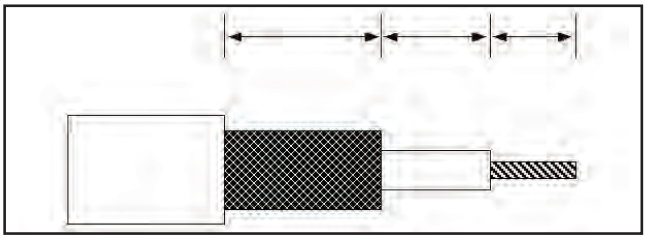
E-mail _____

5. **Wire Gauge:** _____
6. **MIL-Spec:** _____
7. **Number of Strips per Day:** _____

Triaxial Cable



Coax Cable



5. **Remarks:** _____

AEROSPACE

TEST & MEASUREMENT

CIRCUIT TRACERS
- Kits D-3
- Receivers D-3
- Transmitter & Accessories D-3

CIRCUIT BREAKER FINDER ..... D-4 thru D-5

CLAMP | FORK METERS
- TightSight®Clamp Meters D-7, D-8, D-9
- Fork Meters D-7, D-9

DIGITAL MULTIMETERS
- Multimeters ..... D-10 thru D-11

VOLTAGE TESTERS D-12

RECEPTACLE TESTERS D-13

NON-CONTACT VOLTAGE TESTERS D-14

INFRARED THERMOMETERS D-15

SPECIALTY TESTERS D-16

ACCESSORIES
- Test Leads, Hanging Strap, Fuses D-17
- Carrying Cases D-17

SELECTION CHART
- Test Leads D-18

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 feet 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.

TIGHTSIGHT® CLAMP METERS



SURETRACE™
CIRCUIT TRACER

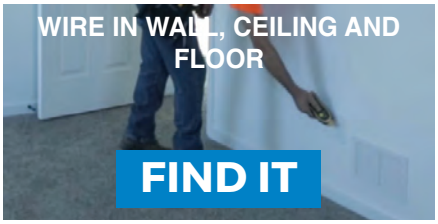
Your IDEAL troubleshooting solution.
Designed **to find** everything, while
saving you time and money.

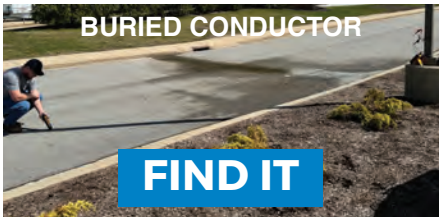




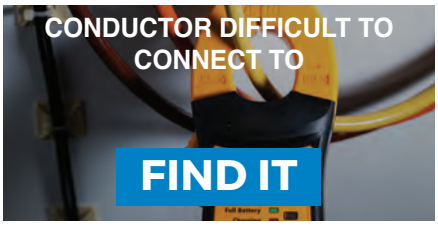




















Your IDEAL troubleshooting solution. Designed to find everything, while saving you time and money.

- Provides fast, accurate breaker and conductor location
- Finds shorts, opens and splice errors
- Works on energized/de-energized electrical systems, including 3-Phase
- Measures/Indicates Voltage (61-950/61-948)
- Measures amperage (61-950, ISC-950)
- Tests for Continuity (61-950, 61-948)
- Induces tracing signal on conductors when access to termination points is not possible (61-950, ISC-950)

3D ANIMATED INSTRUCTIONS

IDEAL Electrical and BILT® make it easier than ever to master using your IDEAL® SureTrace™ Circuit Tracer.

Benefits of Bilt®

- 3D interactive instructions and tutorials
- Real examples showing steps
- FREE to download and use

DRAG TO ROTATE



TAP FOR DETAILS



PINCH TO ZOOM



SCAN FOR BILT 3D INSTRUCTIONS

Download on the App Store

GET IT ON Google Play

CIRCUIT TRACER KIT OPTIONS AND PARTS

KIT OPTIONS	61-946 Basic Kit	61-948 Plus Kit	61-950 Pro Kit
			
INDIVIDUAL COMPONENTS			
TRANSMITTERS	**TR-946 Transmitter** • Transmits tracing signal • Indicates energized/ de-energized circuit • Features CertainCircuit™ technology • CAT III 480V 	**TR-948 Transmitter** All the features of the Basic, PLUS: • Indicates 8 different voltage levels (24-600V AC and 12-600V DC) and DC polarity • Tests for continuity • CAT III 600V 	**TR-950 Transmitter** All the features of the PLUS, and: • Measures/displays voltage up to 600V AC/DC • Verifies outlet wiring • Easy-to-read, high visibility display • CAT III 600V 
RECEIVERS	**RC-946 Receiver** • Traces signal • Indicates signal strength • Backlight and mute functions • CAT III 480V 	**RC-948 Receiver** All the features of the Basic, PLUS: • Two high visibility displays and flashlight for easy reading in all conditions • NCV (24-600V AC) • CAT III 600V   **TightSight® Bottom Display**	**RC-950 Receiver** All the features of the PLUS, and: • Two OLED displays that rotate every 90˚ for easy reading in all positions/conditions • Mute and volume adjustment • CAT III 600V   **90° Rotating TightSight® Bottom Display**
INDUCTIVE CLAMP	**ISC-950 Inductive Sensing Clamp Kit (SOLD SEPARATELY)** • Induces signal over conductor when access to termination points is not possible or undesirable • Measures up to 600A AC • Rechargeable lithium ion battery • Two high-visibility displays • CAT III 600V • Compatible with all current/previous IDEAL® Circuit Tracers  **TightSight® Bottom Display** *61-948 case has slot for the ISC-950 Clamp **NOT INCLUDED IN 61-946 OR 61-948 KITS**		**ISC-950 Inductive Sensing Clamp Kit (INCLUDED WITH 61-950 KIT)** • Induces signal over conductor when access to termination points is not possible or undesirable • Measures up to 600A AC • Rechargeable lithium Ion Battery • Two high-visibility displays • CAT III 600V  **TightSight® Bottom Display**

CIRCUIT BREAKER FINDER FEATURES

Narrower Tip
Improves breaker identification accuracy

LED Flashlight
Operates independently and illuminates work area

Transmitter
Sends a signal over the conductors when connected to an energized circuit. It also identifies the presence of power and indicates correct/incorrect wiring conditions via illuminated green and red LEDs. A GFCI test light illuminates when the GFCI test button is pressed, indicating the activation of the GFCI test. The GFCIs will trip if they are functioning properly.

NOTE: Receptacle MUST be properly grounded for the GFCI test is to work properly.

NOTE: The transmitter works on LIVE/Energized circuits only



NCVT
in receiver tip indicates presence of AC voltage between 80-300V (visual flashing red LEDs and audible indicators)







Receiver
reads the transmitter's signal and identifies the breaker/finder energizing the circuit by illuminating a flashing green LED and emitting beeps once it determines the breaker/fuse with the strongest signal



LED Flashlight

Audible Defeat
for noise sensitive areas

Receiver
powers off automatically after five minutes of non-use to conserve battery life

Lanyard Mount

On/Off
toggles between circuit breaker finding and NCVT functions (default circuit breaker finding)



TL-532A
Test Lead and Adapter Kit

61-535
120V AC Circuit Breaker/Fuse Finder w/Flashlight, NCVT & GFCI
CAT II 150V | cULus Listed

c UL US LISTED CAT II 150V









TEST & MEASUREMENT

CIRCUIT BREAKER FINDER



61-535
Transmitter
Tests outlet wiring configurations (indicated via Green/Red LEDs) and tests GFCIs



61-535
Receiver
Identifies circuit breakers/fuses without disrupting power on energized 120V AC circuits

CIRCUIT BREAKER FINDER SELECTION GUIDE	
TRANSMITTER FEATURES	**61-535**
CAT Rating (Safety)	CAT II 150V
Listing	UL 1436, zvds zv22.2 No. 160
Line Voltage	Line Powered (120V AC)
Supply Frequency	60Hz
Weight	28.35g (approx.)
Flashlight	✔
NCVT	✔
Power Consumption	1.5W max. @ 120V AC
Correct/Wiring Fault/Polarity Indications	✔
GFCI Trip/Test	✔
GFCI Trip Test Indicator	✔
RECEIVER FEATURES	
Visual and Audible Indicators	✔
Low Battery Indication	✔
Auto Power Off (after no activity)	(after 5 mins.)
Battery Type	9V
Weight	85g (w/o battery)
Warranty	2-Year*
ACCESSORIES	
Light Socket and 3-prong to 2-prong Adapters, Alligator Clips	**TL-532A**

Specifications are subject to change without notice.

MULTIMETER VS. CLAMP/FORK METER





Safety: A fork meter allows you to measure AC or DC current (depending on the model) by positioning the fork around a conductor, which is much safer than making direct contact with a live circuit.

Productivity: During a measurement, it is not necessary to shut off the circuit carrying current, which improves productivity.

Limited to 200A AC/DC measurement

No fuse protection required

Safety: A clamp meter allows you to measure AC or DC current (depending on the model) by positioning the clamp jaw around a conductor, which is much safer than making direct contact with a live circuit.

Productivity: During a measurement, it is not necessary to shut off the circuit carrying current, which improves productivity. This allows isolation of a conductor being tested in a bundle of conductors

Limited to 2000A AC/DC measurement (hard clamp)

No fuse protection required

Multimeters measure current differently than a fork or clamp meter. To measure current with a multimeter:

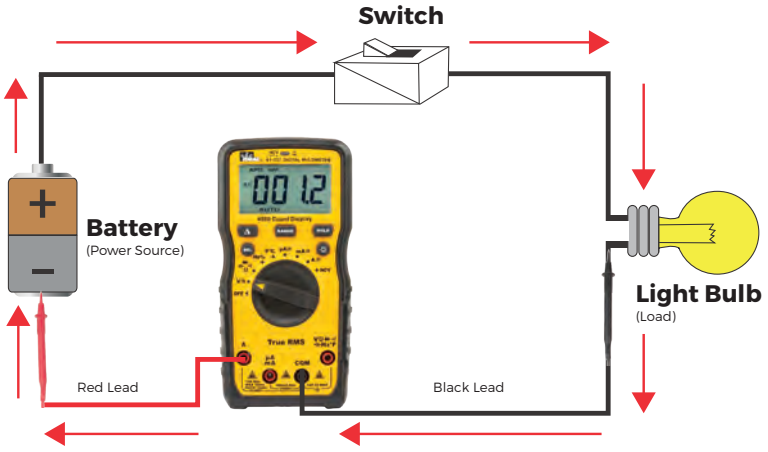
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and make direct contact with the live circuit.

To properly conduct a current measurement in accordance with Electrical Safety related Work Practices (ESWP) you must:

- d-energize the circuit, disconnect the circuit, insert the meter in the circuit, re-energize the circuit to test current
- AND THEN, repeat the entire process again to "remove" the meter from the circuit after the test.

Limited to 10A AC/DC measurement

Fuse protection required (due to current pass-through)



TIGHTSIGHT® CLAMP/FORK METERS





61-775
1000A AC/DC
Clamp Meter
TightSight® w/Backlight
CAT IV 600V | CAT III 1000V





61-765
660A AC/DC
Clamp Meter
TightSight® w/Backlight
CAT IV 600V | CAT III 1000V





61-757
600A AC/DC
Clamp Meter
TightSight® w/Backlight
& Flashlight
CAT IV 600V | CAT III 1000V





61-747
400A AC/DC
Clamp Meter
TightSight® w/Backlight
& Flashlight
CAT III 600V





61-415
200A AC/DC
Split Jaw Meter
TightSight® w/Backlight
& Flashlight
CAT IV 600V | CAT III 1000V

CONVENTIONAL CLAMP METERS



61-744
600A AC Clamp Meter
4000 Count & Flashlight
CAT III 600V



61-737
400A AC Clamp Meter
4000 Count w/Backlight
CAT III 600V

CLAMP METER ACCESSORIES



TL-757
Test Leads
w/Alligator Clips



UMHS-757
Universal Magnetic
Hanging Strap



TC-757
Thermocouple



C-757
Nylon Carrying Case

IMPORTANT: The clamp meters on this page are intended for use by qualified electricians. Follow the NFPA 70E Standard for Electrical Safety in the workplace when using this tester. Always consult the instruction manual provided with the tester for operational limitations and procedures associated with a specific tester.

CLAMP METER SELECTION GUIDE				
	61-775	**61-765**	**61-757**	**61-747**
FEATURES				
CAT Rating (Safety)	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V
Listing	cULus, CE, RCM	cULus, CE, RCM	cULus, CE, RCM	cULus, CE, RCM
Drop Protection			6.6 ft. (2m)	6.6 ft. (2m)
Clamp/Jaw Opening	2.0 in. (50.8mm)	1.5 in. (38mm)	1.4 in. (35.5mm)	1.4 in. (35.5mm)
AC Voltage (Volts)	750V	750V	600V	600V
DC Voltage (Volts)	1000V	1000V	1000V	600V
AC Current (Amps)	1000A	660A	600A	400A
DC Current (Amps)	1000A	660A	600A	400A
Ohms (Resistance)	999.9Ω	999.9Ω	60MΩ	40MΩ
AC Millivolts	—	—	6000	4000
DC Millivolts	—	—	6000	4000
True RMS	✔	✔	✔	✔
High Voltage Alarm	✔	✔	ACV/DCV | >30V	ACV/DCV | >30V
Audible Continuity	✔	✔	✔	✔
Visual Continuity	✔	✔	✔	✔
Backlight	✔	✔	✔	✔
Temperature	—	—	-40˚F ~ 1832˚F -40˚C ~ 1000˚C	-40˚F ~ 1832˚F -40˚C ~ 1000˚C
Low Impedance (LoZ)	—	—	✔	—
NCV	—	—	40-600V	40-600V
Auto Ranging	✔	✔	✔	✔
Range Hold	—	—	✔	✔
Data Hold	✔	✔	✔	✔
Relative	✔	✔	✔	✔
Diode Test	—	—	✔	✔
Capacitance Test	✔	✔	6.000mF	4.000mF
Frequency / Duty Cycle	✔	✔	10Hz~9.999KHz	10Hz~9.999KHz
Max / Min	✔	✔	✔	✔
Magnetic Strap Mount	—	—	✔	✔
Test Probe Holder	—	—	✔	✔
Flashlight	—	—	✔	✔
Auto-Power Off (APO)	✔	✔	✔	✔
APO Disable	✔	✔	✔	✔
Low Battery Indication	✔	✔	✔	✔
Battery Type (included)	1 x 9 Volt	1 x 9 Volt	3 x 1.5V AAA	3 x 1.5V AAA
Bottom LCD Display	✔	✔	✔	✔
LCD Display Count	9999	9999	6000	4000
Warranty	2-Year*	2-Year*	2-Year*	2-Year*
ACCESSORIES				
Leads & Thermocouple	Included	Included	Included	Included

Specifications are subject to change without notice.

CLAMP METER SELECTION GUIDE			
	61-744	**61-737**	**61-415**
FEATURES			
CAT Rating (Safety)	CAT III 600V	CAT III 600V	CAT IV 600V CAT III 1000V
Listing	cULus, CE, RCM	cULus, CE, RCM	cULus, CE, RCM
Drop Protection		3.3 ft. (1m)	6.6 ft. (2m)
Clamp/Jaw Opening	1.45 in. (36.5mm)	1.4 in. (35.5mm)	0.75 in. (19mm)
AC Voltage (Volts)	600V	600V	1000V
DC Voltage (Volts)	600V	600V	1000V
AC Current (Amps)	600A	400A	200A
DC Current (Amps)	—	—	200A
Ohms (Resistance)	40MΩ	40MΩ	60MΩ
AC Millivolts	—	4000	✔
DC Millivolts	—	4000	✔
True RMS	—	✔	✔
High Voltage Alarm	—	ACV/DCV | >30V	ACV/DCV | >30V
Audible Continuity	✔	✔	✔
Visual Continuity	—	✔	✔
Backlight	—	✔	✔
Temperature	—	-40˚F ~ 1832˚F -40˚C ~ 1000˚C	—
Low Impedance (LoZ)	—	—	—
NCV	70-600V	40-600V	40-600V
Auto Ranging	✔	✔	✔
Range Hold	✔	✔	✔
Data Hold	✔	✔	✔
Relative	—	✔	✔
Diode Test	—	✔	✔
Capacitance Test	—	400.0µF	6.000mF
Frequency / Duty Cycle	—	10Hz~9.999KHz	—
Max / Min	—	✔	✔
Magnetic Strap Mount	—	✔	✔
Test Probe Holder	—	✔	✔
Flashlight	—	—	✔
Auto-Power Off (APO)	✔	✔	✔
APO Disable	—	—	✔
Low Battery Indication	✔	✔	✔
Battery Type (included)	2 x 1.5V AAA	3 x 1.5V AAA	2 x 1.5V AAA
Bottom LCD Display	—	—	✔
LCD Display Count	4000	4000	6000
Warranty	2-Year*	2-Year*	2-Year*
ACCESSORIES			
Leads, Case & Batteries	Leads only	Included	Included
Thermocouple (TC-757)	—	Included	—

Specifications are subject to change without notice.

DIGITAL MULTIMETERS



61-357
1000V Auto Range TRMS
6000 Count Display Multimeter
w/NCVT, Temp, Bar Graph & LoZ
CAT IV 600V | CAT III 1000V



61-347
1000V Auto Range TRMS
6000 Count Display
Multimeter w/NCVT, & Temp
CAT IV 600V | CAT III 1000V

CAT IV 600V · CAT III 600V · c UL US LISTED

FEATURES ON ALL MODELS



Backlit Display
(all models)



Non-Contact Voltage Tester
Built in



Overmolded Boot
All Models



Probe Holder Storage
All Models



Universal Magnetic Strap Clip
All Models

FEATURES SELECT MODELS



FUSE Notification
(61-357, 61-347, 61-337)



LEAD Warning
(61-357, 61-347, 61-337)



Bar Graph
(61-357 only)



Temperature
(61-357, 61-347, 61-337)



Non-Contact Voltage, High Voltage, Visual Indications, Augment Audible Indication
(61-357, 61-347, 61-337)



61-337
600V Auto Range
Multimeter w/NCVT & Temp
CAT III 600V

CAT III 600V · c UL US LISTED

TEST & MEASUREMENT

ACCESSORIES



TL-757
Test Leads



UMHS-757
Universal Magnetic
Hanging Strap



TC-757
Thermocouple



F-347-357P
11A (1000V) & 600mA
(1000V) Fuses for
61-347 & 61-357



F-337P
10A (600V) & 400mA
(600V) Fuses
for 61-337



C-357
Nylon Carrying Case

DIGITAL MULTIMETER SELECTION GUIDE			
	61-357	**61-347**	**61-337**
FEATURES			
CAT Rating (Safety)	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V
Listing	cULus, CE, RCM	cULus, CE, RCM	cULus, CE, RCM
Drop Protection	6.6 ft. (2m)	6.6 ft. (2m)	3.3 ft. (1m)
Ingress Protection	IP52	IP52	—
AC Voltage (Volts)	1000V	1000V	600V
DC Voltage (Volts)	1000V	1000V	600V
AC Current (Amps)	10A	10A	10A
DC Current (Amps)	10A	10A	10A
Ohms (Resistance)	60MΩ	60MΩ	40MΩ
AC Millivolts	6000	6000	4000
DC Millivolts	6000	6000	4000
AC Milliamps	6000	6000	4000
DC Milliamps	6000	6000	4000
AC Microamps	6000	6000	4000
DC Microamps	6000	6000	4000
True RMS	✔	✔	✔
High Voltage Alarm	ACV/DCV | >30V	ACV/DCV | >30V	ACV/DCV | >30V
Audible Continuity	✔	✔	✔
Visual Continuity	✔	✔	✔
Backlight	✔	✔	✔
Temperature	-40 ~ 1832˚F -40 ~ 1000˚C	-40 ~ 1832˚F -40 ~ 1000˚C	-40 ~ 1832˚F -40 ~ 1000˚C
Low Impedance (LoZ)	✔	—	—
NCV	✔	✔	✔
Auto Ranging	✔	✔	✔
Range Hold	✔	✔	✔
Data Hold	✔	✔	✔
Diode Test	✔	✔	✔
Capacitance Test	6000 µF	6000 µF	4000 µF
Frequency / Duty Cycle	10Hz – 9.99 KHz	10Hz – 9.99 KHz	10Hz – 9.99 KHz
Max / Min	✔	✔	—
Magnetic Strap Mount	✔	✔	✔
Test Probe Holder	✔	✔	✔
Auto-Power Off	✔	✔	✔
APO Disable	✔	✔	✔
Low Battery Indication	✔	✔	✔
Battery Type (Included)	3 x 1.5V AAA	3 x 1.5V AAA	3 x 1.5V AAA
LCD Display Count	6000	6000	4000
Lead Warning	✔	✔	✔
Fuse Notification	✔	✔	✔
Bar Graph	✔	—	—
Battery Test	—	—	—
Warranty	2-Year*	2-Year*	2-Year*
Accessories			
Leads & Case	Included	Included	Included
Thermocouple (TC-757)	Included	Included	Included

Specifications are subject to change without notice.

SEE WWW.IDEALELECTRICALINC.COM FOR WARRANTY INFORMATION.

VOLTAGE TESTERS



61-557
Voltage and Continuity Tester
w/LCD, GFCI, Flashlight & NCVT
6-600V AC/DC
CAT IV 600V



61-076
Vol-Con® Voltage/Continuity Tester
5-600V AC/DC
CAT III 600V



61-065
Vol-Test® Voltage Tester
100-600V AC/DC
CAT III 600V

CAT IV 600V c UL US LISTED | CAT III 600V c UL US LISTED | CAT III 600V c UL US LISTED | CAT III 600V c UL US LISTED

VOLTAGE TESTER SELECTION GUIDE			
	61-557	**61-076**	**61-065**
FEATURES			
CAT Rating (Safety)	CAT IV 600V	CAT III 600V	CAT III 600V
Listing Preferred	cULus, CE	cULus	cULus
Drop Protection	6.6 ft. (2m)		
Ingress Protection	IP42	—	—
AC Voltage (Volts)	6 ~ 600	5 ~ 600	100 ~ 600
DC Voltage (Volts)	6 ~ 600	5 ~ 600	100 ~ 600
High Voltage Alarm	ACV >36 or DCV >50V	—	—
Audible Continuity	✔	—	—
Visual Continuity	✔	✔	—
Low Impedance (LoZ)	✔	✔	✔
NCV	90-600V AC	—	—
Auto Ranging	✔	—	—
Magnetic Strap Mount	✔	—	—
Test Probe Holder	✔	✔	✔
Flashlight	✔	—	—
Auto-Power Off (APO)	✔	—	—
Low Battery Indicator	✔	—	—
Battery Type (included)	3 x 1.5V AAA	4 x 1.5V LR44	—
LCD Display Count	600	—	—
Backlight	✔	—	—
DC Polarity Indication	✔	✔	—
Leads	Removable	Removable	Removable
GFCI Test	✔	—	—
Display	LCD	Indicator Movement	Indicator Movement
Warranty	2-Year*	2-Year*	2-Year*
ACCESSORIES			
Test Leads	TL-757	61-070	61-070
Magnetic Hanging Strap	UMHS-757	—	—

Specifications are subject to change without notice.

SEE WWW.IDEALELECTRICALINC.COM FOR WARRANTY INFORMATION.

TEST & MEASUREMENT

RECEPTACLE TESTERS



Digital Voltage Readout
Provides Voltage Level at Outlet

GFCI Test w/Indicator Light

On/Off Button
Allows tone to be muted

Neon Lamp Polarity Indication

Fits Standard 120V Outlets

GFCI Test Button







61-517
120V AC GFCI Receptacle/Voltage Tester
CAT II 150V AC

61-051
E-Z Check® Plus GFCI Circuit Tester

61-035
E-Z Check® Circuit Tester

61-502
120V AC GFCI Receptacle Tester

RECEPTACLE TESTER SELECTION GUIDE				
	61-502	**61-517**	**61-051**	**61-035**
FEATURES				
CAT Rating (Safety)	CAT II 150V	CAT II 150V	—	—
Listing	UL 1436, CSA C22.2 No. 160	UL 1436, CSA C22.2 No. 160	UL 1436, CSA C22.2 No. 160	UL 1436, CSA C22.2 No. 160
Voltage Rating	120V AC	120V AC	120V AC	120V AC
Correct/Wiring Fault/Polarity Indicators	✔	✔	✔	✔
GFCI Trip	✔	✔	✔	—
GFCI Trip Test Indicator	✔	✔	—	—
Made in the USA	—	—	✔	✔
Neon Lamps	✔	LEDs	—	—
LCD Display (Voltage)	—	✔	—	—
Warranty	2-Year*	2-Year*	2-Year*	2-Year*

Specifications are subject to change without notice.

61-517 Additional Features



Green Lights
Indicate Correct Wiring



Red Lights
Indicate Incorrect Wiring

SEE WWW.IDEALELECTRICALINC.COM FOR WARRANTY INFORMATION.

NON-CONTACT VOLTAGE TESTERS



61-657
Dual Range 12 to 1000V AC
NCVT w/Flashlight
CAT IV 1000V

c UL US LISTED



61-647
Single Range 50 to 1000V AC
NCVT w/Flashlight
CAT IV 1000

CE CAT IV 1000V



61-637
Single Range 24 to 1000V AC
NCVT w/Flashlight
CAT IV 1000

c UL US LISTED



61-627
Single Range
50 to 1000V AC NCVT
CAT IV 1000V

CE CAT IV 600V



Standard Voltage Range
Indicated by a Red LED



Low Voltage Range
Indicated by a Blue LED



Power On
Indicated by a Green LED



Presence of Voltage
Indicated by a Flashing
Red LED & Audible Tone

NON-CONTACT VOLTAGE TESTER SELECTION GUIDE				
	61-657	**61-647**	**61-637**	**61-627**
FEATURES				
CAT Rating (Safety)	CAT IV 1000V	CAT IV 1000V	CAT IV 1000V	CAT IV 1000V
Listing	cULus, CE, RCM	cULus, CE, RCM	cULus, CE, RCM	cULus, CE, RCM
Voltage Sensing Range	12 ~ 1000V AC	50 ~ 1000V AC	24 ~ 1000V AC	50 ~ 1000V AC
Dual Range	✔	—	—	—
Flashlight	✔	✔	✔	—
Drop Protection	6.6 ft. (2m)	6.6 ft. (2m)	3.3 ft. (1m)	3.3 ft. (1m)
Ingress Protection	IP67	IP67	—	—
Dual Range Sensitivity	✔	—	—	—
Audible Indication	✔	✔	✔	✔
Audible Defeat	✔	✔	✔	—
Visual Indication	Green On, Flashing Red	Green On, Flashing Red	Green On, Flashing Red	Green On, Flashing Red
Visual Range Indicator	Blue Low, Red High	—	—	—
Lanyard Compatible	✔	✔	✔	✔
Auto-Power Off (APO)	✔	✔	✔	✔
Low Battery Indication	✔	✔	✔	✔
Battery Type (included)	2 x 1.5V AAA	2 x 1.5V AAA	2 x 1.5V AAA	2 x 1.5V AAA
Warranty	2-Year*	2-Year*	2-Year*	2-Year*

Specifications are subject to change without notice.

SEE WWW.IDEALELECTRICALINC.COM FOR WARRANTY INFORMATION.

INFRARED THERMOMETER FEATURES



Dual Laser Targeting





Overmolded Industrial Grip



Single Laser Targeting

61-847
Dual Laser Targeting
12:1 Infrared
Thermometer

61-827
Single Laser Targeting
10:1 Infrared
Thermometer

c UL US LISTED CE

c UL US LISTED CE

LASER 2 WARNING

Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3 as described in Laser Notice No. 56 dated May 8, 2019.

Specifications are subject to change without notice.

INFRARED THERMOMETER SELECTION GUIDE		
	61-847	**61-827**
FEATURES		
Certification	CLASS 2, IEC 60825-1:2014	CLASS 2, IEC 60825-1:2014
Wavelength	630nm-670nm	630nm-670nm
Output	< 1mW	< 1mW
Listing	cULus, CE	cULus, CE
Drop Protection	6.6 ft. (2m)	3.3 ft. (1m)
Optical Resolution (distance-to-spot)	12 : 1	10 : 1
Measurement Range	-26F° to 932°F (-32C° to 500°C)	-4F° to 752°F (-20°C to 400°C)
Laser Targeting	Dual	Single
Auto Scan	✔	—
Max/Min/Avg/Diff	✔	—
High/Low Alarm	✔	—
Data Hold	✔	✔
Lock-on (for continuous measurements)	✔	—
Emissivity	0.10 - 1.00 Adjustable	0.95 Fixed
Backlit Display	✔	✔
Display	LCD	LCD
Auto Power-Off	✔	✔
Selectable Celsius / Fahrenheit	✔	✔
Battery Type (included)	2 x 1.5V AAA	2 x 1.5V AAA
Low Battery Indicator	✔	✔
Response Time	250 ms	500 ms
Spectral Response	8 to 14µm	8 to 14µm
Warranty	2-Year*	2-Year*

SPECIALTY TESTERS

PHASE ROTATION SELECTION GUIDE	 3-Phase Sequence Tester	 3-Phase Motor/ Rotation Tester
	61-520	**61-521**
FEATURES		
Motor Rotation	—	✔
Phase Rotation	✔	✔
120 to 600V AC	✔	✔
Color Coded Leads	✔	✔
Detachable Leads	—	✔
Warranty	2-Year*	2-Year*
ACCESSORIES (Included)		
Test Leads	—	TL-521

INSULATION TESTER SELECTION GUIDE	 Insulation Tester
	61-795
FEATURES	
Test Voltage	250/500/1000V DC
Voltage AC/DC	0.1 - 600.0V
Continuity	0.01 - 20.0 Ω
Resistance	0.01 - 200.0 Ω
Insulation Resistance	Up to 4000M Ω
Warranty	2-Year*
ACCESSORIES (Included)	
Test Leads	TL-795



TL-521
Test Lead Set

c UL US LISTED CAT III 300V



TL-795
Test Lead Set w/Premium Alligator Clips

c UL US LISTED CAT IV 600V

SPECIALTY TESTER SELECTION GUIDE	 3-Pole Ground Resistance Tester	 Ground Resistance Clamp Meter
	61-796	**61-920**
FEATURES		
3 Point Fall of Potential Method	✔	—
Clamp on Technique	—	✔
Auto Ranging	—	✔
Measurement Range	0 - 2000 Ω	0 - 1200 Ω
Ground Leakage Current	—	100mA/1000mA/15A/30A
Warranty	2-Year*	2-Year*
ACCESSORIES (Included)		
Test Leads	TL-796	—



TL-796
Earth Resistance Lead Set

CAT III 300V

CAT IV 300V

TEST & MEASUREMENT

ACCESSORIES



61-070
Standard Test Leads
(for use with
61-076 & 61-065)



F-347-357P
11A (1000V) &
600mA (1000V)
Fuses for 61-347 & 61-357



F-337P
10A (600V) &
400mA (600V)
Fuses for 61-337



TC-340
Thermocouple



TL-521
Test Lead
Set



TL-532A
120V AC
Circuit Breaker Finder
Adapter Kit



TL-757
Universal Test Leads
& Alligator Clips



TL-795
Test Leads
w/Alligator Clips
(premium)



TL-796
Earth Resistance
Lead Set



UMHS-757
Universal Magnetic
Hanging Strap (61-415,
61-337, 61-347, 61-357, 61-557,
61-737, 61-747, 61-757, 61-946,
61-948, 61-950, ISC-950



TL-956
Test Lead Set



C-90
Nylon Carrying Case



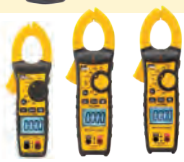
C-357
Nylon Carrying Case



C-757
Nylon Carrying Case

Selection Guide		VOLTAGE TESTERS		300			400	700			740	770	790
		61-065	61-076	61-337	61-347	61-357	61-415	61-737	61-747	61-757	61-744	61-775	61-790
C-90	Nylon Carrying Case Size: 8.4"x3.1"x1.1" (213mmx79mmx28mm)	•	•								•		
C-357	Nylon Carrying Case Size: 8.5"x5.74"x2.5" (210mmx125mmx55mm)			•	•	•							
C-757	Nylon Carrying Case Size: 10.5"x4.5"x2.5" (280mmx110mmx55mm)						•	•	•	•	•	•	

TEST LEAD SELECTION CHART

for this TESTER	use these TEST LEADS	
61-065 Vol-Test® Voltage Tester **61-076** Vol-Con® Voltage/ Continuity Tester 	**61-070** Standard Vol-Con® Test Leads 	
61-737 | 61-747 | 61-757 Digital Clamp Meters 	**TL-757** Test Lead Set 	**UMHS-757** Magnetic Strap 
| 61-415 Digital Split Jaw Meters 	**TL-757** Test Lead Set 	**UMHS-757** Magnetic Strap 
61-557 Voltage Testers 	**TL-757** Test Lead Set 	**UMHS-757** Magnetic Strap 
61-521 3-Phase/Motor Rotation Tester 	**TL-521** Test Lead Set 	
61-327 | 61-337 **61-347 | 61-357** Digital Multimeters 	**TL-757** Test Lead Set 	**UMHS-757** Magnetic Strap 
61-744 Clamp-Pro™ 600A Clamp Meter 	**TL-757** Test Lead Set 	
61-765 660A Clamp Meter **61-775** 1000A Clamp Meter 	**TL-757** Test Lead Set 	
61-795 Insulation Tester 	**TL-795** Test Leads w/Alligator Clips Premium 	
61-796 3-Pole Ground Resistance Tester 	**TL-796** Earth Resistance Lead Set 	
TR-946 | TR-948 Transmitter for SureTrace™ Circuit Tracers 	**TL-956** Test Leads 	
TR-950 Transmitter for SureTrace™ Circuit Tracers 	**TL-956** Test Leads 	

DATACOM

TESTERS

VDV Multimeter Cable Tester E-2
PRO Amplifier Probe and Tone Generator Kit E-2
Test-Tone-Trace VDV Test Kit E-2
LinkMaster™ Tester E-3
Data Cable/RJ45 LCD Wiremapper E-3
Tone & Probe Wire Identifier E-3
Coax Cable Mapper w/4 Remotes E-3

COMPRESSION TOOLS/CONNECTORS

Compression Connectors E-4
OmniSeal™ Pro XL Compression Tool E-4
LinearX®3 Compression Tool E-4

TWISTED PAIR TOOLS/CONNECTORS

Crimpmaster™ Crimp Tool and Die Sets E-5
F-Connectors, Adapters, Terminators, Tools E-6
Modular Plugs, Crimp Tools, Strain Relief Boots ..... E-7 thru E-8
Tools E-9
IDC Jellybeans, Tool E-10
Strippers E-11
Splitters E-11, E-12
Datacom Kits ..... E-12 thru E-15
Fiber Optic Tools E-15



FT-45®
FEED-THRU | STANDARD
RJ45 CRIMP TOOL

VDV MultiMedia Cable Tester



All in one tester for installers working with voice, data and video applications.

- Voice — tests 2 or 3 pair, 6-position RJ-11/12 phone cables for wiremap/continuity.
- Data — tests 8 position 8 contact CAT 3/5e/6/6a shielded and unshielded cable testing for wiremap/continuity to TIA 568A/B standards
- Video — tests coax cable for opens and shorts via F-connector interface
- Wiremap tests for opens, shorts, miswires, reversals and split pairs.
- LCD display with "PASS or ERROR" indicator displayed after each test
- Internal tone generator: Tone by pin/pair/entire cable with four different tones making fault isolation easier
- Main remote stores in base of tester

Description	Part No.
VDV MultiMedia Cable Tester	**33-856**
Replacement Remote	**IA-5516**

PRO Amplifier Probe and Tone Generator Kit



Amplifier Probe

- Identifies and traces wire or cables within a group
- Adjustable volume knob
- Detects and audibly amplifies analog tone generation
- Compatible with analog tone generators

Tone Generator

- Emits three tone patterns
- F-Connector & RJ-11/12 interface for toning twisted pair and copper cables
- Includes alligator clips for toning de-energized copper cables
- Auto-off after three hours of non-use

Description	Part No.
Amplifier Probe & Tone Generator Kit - includes 62-164, 62-160, Lead Set, Cable Assembly	**33-864**
Amplifier Probe	**62-164**
Amplifier Probe Replacement Tip	**LA-4145**
Tone Generator	**62-160**

Test-Tone-Trace VDV Test Kit



- Test cables, tone cables, and trace cables with one kit
- Voice/Data/Video LCD based wire mapper verifies cable continuity
- Identifies errors by pin: shorts, opens, mis-wires, reversals, and split pairs
- Amplifier probe included
- Designed, for, CAT3, CAT5e, CAT6, CAT6A, RG59, RG6, RG6 Quad, RJ45, RJ11, RJ12, cable testing

Description	Part No.
Kit includes: VDV Main Test Unit with 1 Remote, Amplifier Probe with Volume Control; Carrying Case; RJ45 Alligator Clip Cable Assembly; 12 in. RJ45 Patch Cables; 4 in. RJ11 Patch Cables; 4 in. F-Male Coax Patch Cables; F-Male to BNC-Female Adapter; F-Female to BNC-Female Adapter; F-Male to RCA-Female Adapter; F-Female to RCA-Female Adapter; F-81 Adapter; Instruction Manuals; 2 9V Batteries	**33-866**

LinkMaster™ Tester



LED based tester for wiremapping CAT 3/5e/6/6a twisted pair cabling.

- Wiremap for opens, shorts, reversal, miswire and split pair
- Tests by pair: 1/2, 3/6, 4/5, 7/8
- Tests shielded and unshielded RJ-45 cabling
- Debug feature cycles through errors one at a time

Description	Part No.
LinkMaster™ Tester and Remote	**62-200**

Data Cable/RJ45 LCD Wiremapper



- Bright, backlit LCD screen shows Pass/Fail status and detailed pin-by-pin errors including shorts, opens, miswires, and split pairs
- Designed specifically for testing twisted pair cables like CAT5e, CAT6, and CAT6a
- Shielded RJ45 port interfaces on both main unit and remote ensures accurate readings
- Easily cycle through testing, toning, and power modes with the push of a single button
- Integrated tone generator with three selectable tones makes locating cables in bundles easier
- Terminate the far end of cable runs with self-storing detachable remote
- Portable design fits in your pocket without adding bulk

Description	Part No.
Data Cable/RJ45 LCD Wiremapper	**33-855**

Tone & Probe Wire Identifier



- Locate and trace de-energized copper data cables easily and quickly with one-button operation
- Verify wire continuity using the included alligator clip leads
- RJ11 plug connects directly to voice and most standard RJ45 jacks, alligator clips connect to copper wires — including coax or unterminated cables
- Fixed lead set with 31 in. leads provides extended connection range
- Adjustable volume knob enables noise control while the fixed, non-sparking plastic probe tip helps enhance safety

Description	Part No.
Tone & Probe Wire Identifier includes: Tone generator, amplifier probe with RJ11/12 and alligator clip leads, and two 9V batteries	**62-144**

Coax Cable Mapper w/4 Remotes



- Quickly identify start and end points of coaxial cable runs, including behind walls or across multiple rooms or floors
- Easily match coax lines to their outlets and map multiple locations by attaching the four color-coded remotes to termination points
- Confirm coax patch cables have continuity
- Keep remote terminators secure and accessible using the built-in storage on back of the main unit
- Detects common coax issues like opens (cuts, loose connectors) and shorts (shielding contacting the conductor pin)

Description	Part No.
Coax Cable Mapper w/four Remotes	**62-201**

Visit idealind.com for connector and tool compatibility.

Compression Connectors

Type		Image	Series/Model #	Cable Type	Center Conductor	Dielectric Diameter	Jacket Diameter	Quantity	Part No.
F	RG-6		RTQ™ XR™ Model #6FRTQXR	RG-6/6Q & Plenum 6/6Q	N/A	.168 in. - .183 in.	.226 in. - .310 in.	Card of 10	**92-651**
								Jar of 50	**92-650**
								Jar of 100	**92-656**
								Carton of 1,000	**92-659**
			InSITE® RTQ™ 90° Model #6FRAISRTQ	RG-6/6Q & Plenum 6/6Q	23-18 AWG Solid .023 in. - .040 in.	.168 in. - .183 in.	.226 in. - 305 in.	Card of 5	**92-691**
			Z6F Model #6FZIF	RG-6/6Q	N/A	.175 in. - .183 in.	.250 in. - .315 in.	Card of 25	**92-640**
								Jar of 50	**92-641**
			TLC™ Model #6FTLC	RG-6	N/A	.175 in. - .183 in.	.254 in. - .278 in.	Card of 4	**85-069**
								Card of 50	**85-168**
			TLC™ Model #6QFTLC	RG-6 Quad	N/A	.175 in. - .183 in.	.275 in.- .305 in.	Card of 4	**85-079**
								Card of 50	**85-178**
			OmniConn™ Model #6FOC	RG-6	N/A	.175 in. - .183 in.	.260 in. - .280 in.	Jar of 50	**89-044**
								Carton of 1,000	**89-1544**
			OmniConn™ Model #6QFOC	RG-6 Quad	N/A	.175 in. - .183 in.	.270 in. - .295 in.	Jar of 50	**89-045**
								Carton of 1,000	**89-1545**
	RG-59		RTQ™ Model #59FRTQ	RG-59/59Q	N/A	.142 in. - .148 in.	.230 in. - .270 in.	Jar of 50	**92-610**
	RG-11		RTQ™ Model #11FISRTQ	RG-11/11Q	18-14 AWG Solid .040 in. - .066 in.	.280 in. - .285 in.	.390 in. - .416 in.	Card of 10	**89-211**
			Cable Specific Model #11PLFIS	RG-11/11Q Plenum	18-14 AWG Solid .040 in. - .066 in.	.270 in. - .280 in.	.340 in. - .356 in.	Card of 10	**92-212**
BNC	RG-59		InSITE® Model #59BNCIS	RG-59	23-18 AWG Solid .023 in. - .040 in.	.142 in. - .148 in.	.230 in. - .250 in.	Card of 4	**92-704**
								Card of 15	**89-047**
								Jar of 35	**89-5047**
								Bag of 100	**89-1047**
			InSITE® Model #59PLBNCIS	RG-59 Plenum	23-18 AWG Solid .023 in. - .040 in.	.134 in. - 140 in.	.193 in. - 224 in.	Card of 15	**89-049**
	RG-6		InSITE® RTQ™ Model #6BNCISRTQ	RG-6/6Q & Plenum 6/6Q	23-18 AWG Solid .023 in. - .040 in.	.168 in. - 183 in.	.226 in. - 305 in.	Card of 4	**92-705**
								Card of 15	**89-048**
								Jar of 35	**89-5048**

OmniSeal™ PRO XL Compression Tool



- Compatible with all IDEAL® coax compression connectors for RG59/RG6/RG11
- Standard F, BNC, RCA, and RG11 F connectors can be terminated one after another with no setting changes
- Adjustable spin knob allows for compressive forces to be placed on the rim of the connector instead of the bottom of the nut when required
- Spin-knob can be used as a flat surface to compress against other types of non-traditional compression connectors

Description	Part No.
OmniSeal™ PRO XL Compression Tool	**30-793**

LinearX®3 Compression Tool

- Designed for installers that occasionally work with compression connectors
- Compresses BNC, RCA, and F-connectors
- No loose or separate adapters are required
- Adjustable post increases connector compatibility for BNC's and non-IDEAL® connectors



- **Includes four RTQ™ XR™ RG-6 Weatherproof F-Compression Connectors**

Description	Part No.
LinearX®3 F/BNC/RCA Compression Tool (Adjustable) with four RTQ™ XR™ F-Connectors	**33-632**

Crimpmaster™ Ratcheting Crimp Tool



- Ratcheting tool frame ensures full crimp cycle
- Provides a consistent crimp every time
- Dies change quickly and easily with a screwdriver
- Tool frame works with all IDEAL Crimpmaster™ Die Sets
- Cushioned, comfort-grip handles

Description	Part No.
Crimpmaster™ Crimp Frame Tool (Die set not included)	**30-506**
Replacement Screws	**LB-1284**

Crimpmaster™ Tools and Die Sets



30-559 **Die only**
RJ-45 CAT 5/5e Eight-position Crimp Tool for keyed or non-keyed modular plugs. Not for Cat 6



30-573 **Die only**
Cambridge CP-88, CP-89 BNC/TNC coax connectors with RG-58, RG-59/RG-62 AU cables (Hex 0.305 (7,75mm), 0.068 (1,73mm), 0.228 (5,79mm)



30-576 **Die only**
RG-174, Mini 59 BNC/TNC Connectors (Hex, 0.178 (4,52mm), 0.128 (3,25mm), 0.068 (1,73mm)



30-577 **Die only**
N-Series and RG-8/11 Connectors (Hex, 0.429 (10,90mm), 0.100 (2,54mm), 0.080 (2,03mm)



30-578 **Die only**
RG-59, RG-6, and 8281 50 and 75 OHM cables (Hex, 0.324 (8,23mm), 0.255 (6,48mm), 0.068 (1,73mm), 0.042 (1,07mm)



30-581
RG-58, RG-59/62, BNC/TNC Coax Connectors (Hex, 0.255 (6,48mm), 0.213 (5,41mm), 0.068



30-582 **Tool w/die 30-503**
F-Type CATV RG-59, RG-6 Connectors (Hex, 0.350 (8,89mm) 0.320 (8,813mm), 0.255 (6,48mm)



30-587 **Die only**
RG-58, RG-174 and G-8218 for both 50 and 75 ohm cables (Hex 0.213 (5,41mm), 0.178 (4,52mm), 0.068 (1,73mm), 0.042 (1,07mm)



30-593 **Die only**
Mini UHF and BNC/TNC 5 cavity (Hex, 0.052 (1,32mm), 0.068 (1,73mm), 0.100 (2,54mm), 0.213 (5,41mm), 0.255 (6.48mm)



30-579 **Tool w/die 30-500**
22-10 AWG (.324mm² - 5,261mm²) insulated terminals/color coded nests



30-580 **Die only**
22-8 AWG (.3mm² - 8mm²) non-insulated terminals



30-586 **Die only**
22-12 AWG (.324mm² - 3,31mm²) Non-Insulated Open Barrel Connectors, Commercial Type



30-594 **Die only**
Fully Insulated quick disconnect terminals with thinner wire barrels 22-10 AWG (.324mm² - 5,261mm²)



30-503



30-500

DATACOM

Crimp-On F-Connectors

Nickel plated brass connectors designed for indoor coax terminations for video and other RF applications



- RG-59, RG-6, RG-6 Quad versions are available
- All versions require a hex crimp to secure cable to connector
- 1/4 in. x 1/4 in. cable prep for all models
- Crimp with 30-503 Crimpmaster™ Crimp tool
- Hex crimp sizes: RG-59 and RG-6, .320 in. cavity. RG-6 Quad, .350 in. cavity

Description	Quantity	Part No.	Quantity	Part No.
RG-6 F Crimp-on Coax Connector	Card of 10	**85-037**	Card of 50	**85-017**
RG-6 F Quad Crimp-on Connector	Card of 10	**85-057**	—	**–**
RG-59 F Crimp-on Coax Connector	Card of 10	**85-036**	—	**–**

Twist-On F-Connectors



- After cable is 1/4 in. x 1/4 in. stripped, simply twist on connector
- No termination tool required
- Available in two styles, RG-6 and RG-59

Description	Quantity	Part No.
F-Type RG-6 Twist-On Connector	Card of 4	**84-039**
	Card of 10	**85-053**
	Card of 50	**85-039**
F-Type RG-59 Twist-On Connector	Card of 4	**84-018**
	Card of 10	**85-035**

F-Type Adapters & Terminators

- Nickel-plated brass construction
- For 75Ω applications

Image	Description	Quantity	Part No.
	3GHz F-Splice Adapter, high bandwidth, for standard and high definition applications, <0.25dB insertion loss, >25dB return loss	Card of 4	**85-339**
		Card of 10	**85-340**
	90˚ F-Adapter - F-female to F-male coax adapter	Card of 2	**85-070**
	BNC Female to BNC Female Adapter	Card of 2	**85-075**
		Card of 10	**92-817P**

Coax Strip & Crimp Tool



- Precision, form-ground stripping holes remove outer jacket and insulation from RG-59 and RG-6 coaxial cable
- Durable blades cut copper-coated steel conductors
- Three crimping nests for crimping F-connectors and ring terminals
- Cushioned, comfort-grip handles

Description	Part No.
Coax Strip & Crimp Tool	**30-433**

Modular Plugs

	Name	CAT	Type	Feed-Thru	Shielded	Notes	Quantity	Part No.
	CAT6A/6/5e Shielded Feed-Thru	Multi	RJ-45 8P8C	✔	✔	For shielded or unshielded CAT6A, CAT6 or CAT5e with insulated conductor diameter of 0.040 in. to 0.048 in., max. jacket diameter of .320 in.	Card of 10	**85-363**
							Card of 25	**85-368**
							Jar of 50	**85-369**
	CAT6A/6 0.048 in. Feed-Thru	6A/6	RJ-45 8P8C	✔		For unshielded CAT6A/6 with insulated conductor diameter of 0.040 in. to 0.048 in.; max jacket diameter of .320 in.	Card of 50	**85-385**
	CAT6 Feed-Thru	6	RJ-45 8P8C	✔		For unshielded CAT6 with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041 in., max. jacket diameter of .290 in.	Card of 25	**85-375**
							Card of 50	**85-376**
							Bag of 100	**85-377**
							Jar of 100	**85-377J**
	CAT6 Single Piece Standard	6	RJ-45 8P8C			For unshielded CAT6 with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041 in., max jacket diameter of .290 in.	Card of 25	**85-367**
							Card of 50	**85-362**
							Jar of 100	**86-367J**
	CAT6 3-Piece Standard	6	RJ-45 8P8C			3 piece assembly of body, sled and liner. For unshielded CAT6 with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041 in., max. jacket diameter of .290 in.	Card of 25	**85-366**
	CAT5e Feed-Thru	5e	RJ-45 8P8C	✔		For unshielded CAT5e with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041 in., max. jacket diameter of .270 in.	Card of 25	**85-370**
							Card of 50	**85-371**
							Bag of 100	**85-372**
							Jar of 100	**85-372J**
	CAT5e Shielded Feed-Thru	5e	RJ-45 8P8C	✔	✔	For shielded CAT5e with 24 AWG conductors with a max. insulated conductor diameter of 0.041 in., max. jacket diameter of .270 in.	Card of 25	**85-365**
	CAT5e Shielded	5e	RJ-45 8P8C		✔	For shielded CAT5e with 24 AWG conductors with a max. insulated conductor diameter of 0.041 in., max. jacket diameter of .270 in.	Card of 25	**85-361**
	CAT5e Standard	5e	RJ-45 8P8C			For unshielded CAT5e with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041 in., max. jacket diameter of .270 in.	Card of 10	**85-147**
							Card of 15*	**85-379**
							Card of 25	**85-346**
							Card of 50	**85-396**
							Bag of 100	**86-396**
							Jar of 100	**86-396J**
	Snaglass Strain Relief Boot	5e/6	RJ-45 8P8C			Blue color, slide on snagless boot, max. cable diameter of 5.5mm/.225 in.	Card of 25	**85-380**
		6/6a					Card of 25	**85-383**
	6-Contact Voice Plug	3	RJ-11/12 6P6C			6-position, 6-contact voice grade modular plug, max. 24 AWG conductors	Card of 25	**85-345**
	4-Contact Voice Plug	3	RJ-11 6P4C			6-position, 4-contact voice grade modular plug, max. 24 AWG conductors	Card of 25	**85-344**

*Includes 15 Strain Relief Boots

DATACOM

RJ-11 Voice Modular Plugs

- 6 position plugs for use in traditional landline phone applications and other RJ-11/12 terminations
- Provides 1, 2 or 3 lines of service. 3 lines requires 85-345
- 50 micron gold contacts
- Two versions available - 6 contacts and 4 contacts



Description	Quantity	Part No.
6-Position 6-Contact, RJ-11 (RJ-12)	Card of 25	**85-345**
6-Position 4-Contact, RJ-11	Card of 25	**85-344**

Feed-Thru Modular Plugs

- Feed-Thru modular plugs simplify twisted pair assembly process
- Verify conductor order before crimping
- Conductors trimmed flush by the tool
- Eliminates wasted connectors due to incorrect assembly
- Single-piece design
- Terminate with the 30-495 FT-45™ tool



CAT5e **CAT6**

Description	Card of 25	Card of 50	Bag of 100	Jar of 100
CAT5e Feed-Thru RJ-45 Modular Plugs	**85-370**	**85-371**	**85-372**	**85-372J**
CAT6 Feed-Thru RJ-45 Modular Plugs	**85-375**	**85-376**	**85-377**	**85-377J**

CAT6A/6/5e Large Diameter Feed-Thru Modular Plugs

- Shielded and unshielded feed-thru modular plugs for cables with larger diameter conductors.
- For insulated individual conductor diameters of 0.040 in. to 0.048 in.
- Staggered pin and wire entry design
- Single piece design – no sleds or liners
- Terminate with the 30-495 FT-45™ tool



Shielded **Unshielded**

Description	Quantity	Part No.
CAT6A/6/5e Shielded Feed-Thru Modular Plugs	Card of 10	**85-363**
	Card of 25	**85-368**
	Jar of 50	**85-369**

CAT5e RJ-45 Modular Plugs

- Plugs support the latest cable system performance categories when installed in compliance with appropriate standards and methods
- Plugs work with 24 AWG solid or stranded conductors and round or flat cables.
- 50 micron gold contacts



Description	Quantity	Part No.
CAT5e Standard RJ-45 Modular Plugs	Card of 10	**85-147**
	Card of 25	**85-346**
	Card of 50	**85-396**
	Bag of 100	**86-396**
	Jar of 100	**86-396J**

CAT6 RJ-45 Modular Plugs

- Three-piece design includes main body, sled and liner
- Crimps with a standard RJ-45 crimp tool
- 50 micron gold contacts, 8-position, 8-contact
- Suitable for solid or stranded conductors 23-24 AWG
- Not compatible with Crimpmaster™ RJ-45 Die Set



Description	Quantity	Part No.
CAT6 RJ-45 Modular Plugs	Card of 25	**85-366**

CAT6 Single Piece RJ-45 Modular Plugs

- Single-piece design to simplify assembly
- 50 micron gold contacts, 8-position, 8-contact
- Suitable for solid or stranded conductors 23-24 AWG
- Not compatible with Crimpmaster™ RJ-45 Die Set



Description	Quantity	Part No.
CAT6 Standard RJ-45 Modular Plugs	Card of 25	**85-367**
	Card of 50	**85-362**
	Jar of 100	**86-367J**

Strain Relief Boots for Modular Plugs

- Prevents broken connector tabs and snagging while extending connector life
- Minimizes cable bends that can reduce data speed and result in data loss
- Dampens cable movement and vibrations that can result in premature connector failure
- For CAT5e and CAT6 RJ-45 modular plugs, .225 in. max. cable diameter



Description	Quantity	Part No.
Strain Relief Boots for Modular Plugs	Card of 25	**85-380**
15 Strain Relief Boots and 15 8P8C RJ-45 CAT5e Modular Plugs	Card of 15	**85-379**

Ratchet Telemaster™ Modular Plug Crimping Tool



- Heavy-duty version of the 30-496 Telemaster™ Tool
- Ratchet ensures full cycle crimping every time
- Crimps RJ-45 (8P8C) and RJ-11/12 (6P6C/6P4C) standard modular plugs
- Multi-function tool also cuts UTP/STP and strips CAT 5e/6 cable jacket and flat cable jackets
- Black oxide coated steel frame with cushioned handles for strength and comfort

Description	Part No.
Ratchet Telemaster™	**30-696**
Replacement Cut & Strip Blade Set	**LA-4102**

Telemaster™ Modular Plug Crimping Tool



- Crimps Standard RJ-45 (8P8C) and RJ-11/12 (6P6C/6P4C) modular plugs
- Multi-function tool also cuts UTP/STP and strips round CAT 5e/6 cable jacket
- Black oxide coated steel frame with cushioned handles for strength and comfort

Description	Replacement Blade	Kit Part No.	Tool Only Part No.
Telemaster™ Crimping Tool RJ-45 and RJ-11/12	**LB-1747**	**33-700***	**30-496**

*Kit includes 10 each, RJ-45 8P8C, RJ-11 6P6C and RJ-11 6P4C modular plugs.

Impact Punchdown Tool



- Includes full 110 and 66 blades
- Adjustable high/low actuation setting accommodates termination requirements
- Turn-Lock™ Style blade holding design
- Impact-absorbing cushioned grip reduces operator stress for high volume installers

Description	Part No.
Punchmaster™ II Punchdown Tool w/full 110 & 66 blades	**35-485**
Removable Blades	**Part No.**
110 Turn-Lock™ blade 	**35-495**
66 Turn-Lock™ blade 	**35-497**
110/66 combo blade w/cutting edges 	**35-407**

FT-45™ Feed-Thru Modular Plug Crimp Tool



- FT-45™ Crimp Tool crimps feed-thru, standard and shielded connectors
- Crimps all IDEAL® RJ-45 modular plugs
- Compact design
- Long-lasting blade

Description	Part No.
FT-45™ Feed-Thru Modular Plug Crimp Tool	**30-495**
FT-45™ Replacement Blade	**30-4951**

Data/Voice Crimp Tool Kit



- Compact design is 2/3 the size of traditional crimp tools
- Crimps RJ-45 (8P8C) and RJ-11/12 (6P6C/6P4C) modular plugs
- One tool assembly process – cut, strip and crimp connectors on to CAT 3/5e/6 cables
- Black oxide coated steel core with spring loaded handle and locking feature

Description	Part No.
Data/Voice Crimp Tool Kit includes ten RJ-11 (6P6C) and ten CAT5e RJ-45 plugs	**33-396**

Probe Pic & Spudger



- For isolating conductors and removing terminated wires from voice and data IDC contacts

Description	Part No.
Probe Pic & Spudger	**35-473**

DATACOM

Low-Voltage IDC

- For splicing or repairing low voltage cables in telecommunications, voice, and data applications
- No need to strip individual wires before crimping
- Moisture-resistant sealant protects wires from corrosion
- Use Kinetic® Super Wire Stripper/Crimper (33-719) tool for proper crimping force and crimping angle
- Permanent connection once crimped
- Moisture resistant internal gel protects the splice when located in outdoor enclosures
- Cap pierces the conductor insulation when fully seated





Model	Color	Ports	Conductor Range	Max. Insulation Diameter	Quantity	Part No.
UR 	Red	3	19-26 AWG	0.066 in.	Card of 25	**85-925**
					Card of 100	**86-925**
UY 	Yellow	2	22-26 AWG	0.060 in.	Card of 25	**85-950**
					Card of 100	**86-950**
UR2 	Red	3	19-26 AWG	0.082 in.	Card of 100	**86-930**
UY2 	Yellow	2	19-26 AWG	0.082 in.	Card of 100	**86-955**

Telephone/Data Cable Splice and Repair Kit

- All in one specialty tool for crimping UR/UY/UB IDC splice connectors
- Features a parallel crimping surface to prevent damage to connectors during crimping process
- Two stripping holes for 22 to 24 AWG (phone/twisted pair) cables
- Cutter for cable and conductor trimming



Description	Part No.
Kinetic® Super Wire Stripper/Crimper Kit – includes 25 IDC connectors (UR, 3-Wire Butt Splice)	**33-719**

Data T®-Cutter

- Cuts round copper cable and helps maintain cable geometry
- Compact size is smaller and lighter than traditional 9 in. cable cutters
- Steel reinforced center conductors can be trimmed with bolt cutting holes
- Locking latch keeps tool closed in pouch



Description	Part No.
Data T®-Cutter	**45-074**

Electrician's Scissors

- Designed for use in telephone and electrical service applications
- Cut up to 16 AWG solid and 12 AWG stranded wire
- Serrated surface on back blade edge cleans wire and straightens twisted pair conductors
- Stripping notches strip 19 and 23 AWG wire
- Chrome over nickel plating



Description	Part No.
Electrician's Scissors w/stripping notches	**35-088**

PrepPRO® Coax/UTP Cable Stripper



- Auto adjusting blade depth for 6/6Quad/59 coax cable
- Strips RG-59/6 Plenum cables
- 1/4 in. x 1/4 in. coax preparation
- Replaceable blade cartridges
- CAT5e/6 jacket stripping
- Spring loaded for consistent cutting force

Description	Part No.
PrepPRO® Coax/UTP Cable Stripper	**45-605**
Replacement Coax Cartridge	**45-6051**
Replacement UTP/STP Jacket Cartridge	**45-6052**

Ringer™ Adjustable Blade Strippers



- Four models cover cable diameters up to 9/16 in.
- All models include two adjustable depth blades and one adjustable round slitting blade
- Common uses are for fiber jackets, mini-coax prep, twisted pair cables and other specialty copper cables where standard stripping products are not available
- Replacement blades available for all models

Description	Typical RG Cables	Replacement Blade*	Part No.
Cable Stripper, up to 1/8 in. (3.2mm) O.D (Gray)	RG-174, RG-187	**L-9225**	**45-162**
Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.556mm) O.D. (Blue)	Mini Coax RG-58, CB	**L-9225**	**45-163**
Big Blue Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D. (Blue)	RG-11, RG-8	**L-9226**	**45-164**
Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D. (Black)	RG-59/6, UTP Cable	**L-9225**	**45-165**

*A set of blades consists of three straight blades and one round blade.

Coax Stripmaster® Wire Strippers



- Provides variable stripping lengths
- Knife-type blades feature multiple hole diameters sized for two step removal of outer jacket insulation and center conductor

Description	Part No.
Coax Stripmaster® for RG-6 Coax Cable	**45-262**
Coax Stripmaster® for RG-59 Coax Cable	**45-265**

Adjustable Blade Coax Stripper



- Three blade model for prepping coax cables RG-59 to RG-11
- Adjustable blade depth (hex wrench included in handle) for fine calibration to any cable jacket thickness and overall diameter.
- All blades are spaced approximately ¼ in. apart for compatibility with traditional compression or crimp connectors requiring a ¼ in. x ¼ in. cable preparation.
- Blades can be adjusted to a no-cut position for most size cables when only a single blade is needed.
- Slider bar offers fast variation in blade depth without need for adjusting the individual hex screws.

Description	Part No.
Coax Stripper - 3 Step (Black cartridge)	**45-520**

Round Cable Slitting & Ringing Tool



- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.75 in. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

Description	Replacement Blade*	Part No.
Round Cable Slitting and Ringing Tool	**LB-1748**	**45-144**

*2/package

1 GHz Cable TV/General Purpose Splitters



- Nickel-plated housing, soldered back
- High-performance Printed Circuit Board design

Description	Part No.
High Performance Cable Splitter, 5MHz-1GHz, 2-Way	**85-132**
High Performance Cable Splitter, 5MHz-1GHz, 3-Way	**85-133**
High Performance Cable Splitter, 5MHz-1GHz, 4-Way	**85-134**

2.4 GHz Satellite & Digital TV Splitters



- Designed for easy mounting over cable
- All ports are F female connectors, 75Ω
- Two grounding screws eliminate the need for grounding block
- All ports power pass

Description	Part No.
2-Way, 5MHz - 2.4GHz	**85-332**
3-Way, 5MHz - 2.4GHz	**85-333**
4-Way, 5MHz - 2.4GHz	**85-334**

Master Series Network Service Kit



- Kit allows user to cut, strip, terminate and test data cables. Use for CAT5e, CAT6 and voice installations.

Description		Part No.
Master Series Network Service Kit		**33-706**
Kit Includes:	**Qty.**	**Part No.**
Ratchet Telemaster™	1	**30-696**
PRO Amplifier Probe & Tone Generator Kit	1	**33-864**
Cable Splicing Kit	1	**35-093**
13 in. Large Mouth Bag	1	**37-013**
Probe Pic and Spudger	1	**35-473**
Punchmaster™ II w/110 & 66 Blades	1	**35-485**
7-in-1 Twist-a-Nut™ Screwdriver	1	**35-908**
UTP/STP Stripper	1	**45-165**
Kinetic Super™ Wire Stripper/IDC Crimper	1	**45-719**
LinkMaster™ Tester	1	**62-200**
8-Position CAT5e RJ-45 Modular Plugs	50	**85-396**

Pro XL Compression Hip Kit

- Cut, strip and terminate compression connectors in one handy professional tool kit.
- For F/BNC/RCA compression



Description		Part No.
Pro XL Compression Hip Kit		**33-793**
Kit Includes:	**Qty.**	**Part No.**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Data T®-Cutter	1	**45-074**
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	1	**45-605**
Pouch with Belt Clip	1	–

RF Coax Crimp & Compression Kit



- Professional kit for security and cable/satellite installers to crimp or compress F and BNC coax connectors. Multiple die sets offer a wide range of connectors to terminate.

Description		Part No.
RF Coax Crimp & Compression Kit		**33-410**
Kit Includes:	**Qty.**	**Part No.**
Ratchet Crimp Tool	1	**30-503**
13 in. Large Mouth Bag	1	**37-013**
RG-59 Cambridge-type Die Set	1	**30-573**
RG-174 Mini-59 Die Set	1	**30-576**
58/59 BNC/TNC Die Set	1	**30-581**
OmniSeal™ PRO XL Compression Tool	1	**30-793**
Data T®-Cutter	1	**45-074**
3-Step Adjustable Coax Stripper	1	**45-520**
RG-6 RTQ™ XR™ Compression F-Connector	50	**92-650**

LinearX®3 Hip Kit

- Cut, strip and terminate F/BNC/RCA connectors in one handy starter tool kit.



Description		Part No.
LinearX®3 Hip Kit		**33-622**
Kit Includes:	**Qty.**	**Part No.**
LinearX®3 Compression Tool	1	**33-632**
Data T®-Cutter	1	**45-074**
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	1	**45-605**
RG-6 RTQ™ XR™ Compression F-Connector	10	**92-651**
Pouch with Belt Clip	1	–

Twisted Pair Termination Hip Kit

- 4-piece kit to terminate feed-thru and standard modular plugs as well as modular jack terminations
- For CAT5e/6/6a



Description		Part No.
Twisted Pair Termination Hip Kit		**33-508**
Kit Includes:	**Qty.**	**Part No.**
FT-45™ Feed-Thru Modular Plug Crimping Tool	1	**30-495**
Electrician's Scissors	1	**35-088**
Punch Down Tool	1	**35-485**
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	1	**45-605**
Pouch with Belt Clip	1	–

Cable Splicing Kit

- Kit designed for use in telephone and electrical service applications
- High carbon steel blade in Splicing Knife remains sharp and cuts easily through many insulation types
- Kit includes Scissors 35-088, Splicing Knife 35-1091 and Leather Holder



Description	Part No.
Cable Splicing Kit	**35-093**
Cable Splicing Knife (only)	**35-1091**

Feed-Thru RJ-45 Installation Hip Kit

- 3-piece kit to terminate, feed-thru and standard RJ-45 modular plugs
- For CAT5e/6/6a



Description		Part No.
Feed-Thru RJ-45 Installation Hip Kit		**33-507**
Kit Includes:	**Qty.**	**Part No.**
Electrician's Scissors	1	**35-088**
FT-45™ Feed-Thru Modular Plug Crimping Tool	1	**30-495**
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	1	**45-605**
Pouch with Belt Clip	1	–

FT-45® Feed-Thru Starter Kit

- Perfect for electricians and datacom installers, the IDEAL® FT-45® Feed-Thru Starter Kit includes all the tools and connectors required to install RJ45 connectors onto twisted pair cables.



Description		Part No.
FT-45® Feed-Thru Starter Kit		**33-509**
Kit Includes:	**Qty.**	**Part No.**
FT-45® Crimp Tool	1	**30-495**
PrepPRO® Cable Stripper	1	**45-605**
Electrician's Scissors	1	**35-088**
CAT5e Feed-Thru RJ45 Connectors	50	**85-371**
CAT6 Feed-Thru RJ45 Connectors	50	**85-376**
Strain Relief Boots	25	**85-380**

Pro Compression Starter Kit

- Starter kit includes both F and BNC connectors as well as professional tools to cut, strip and terminate coax cables.
- Designed for security and cable/satellite installation.



Description		Part No.
Service Compression Kit		33-639
Kit Includes:	**Qty.**	**Part No.**
OmniSeal™ PRO XL Compression Tool	1	30-793
Data T®-Cutter	1	45-074
PrepPRO® Cable Stripper	1	45-605
3GHz F-81 Splice Adapters	3	85-340
BNC Adapters	3	85-075
RG-59 InSITE® BNC Compression Connectors	10	89-047
RG-6 InSITE® BNC Compression Connectors	5	89-048
RG-59 Plenum InSITE® BNC Compression Connectors	5	89-049
RTQ™ XR™ RG-6 F Compression Connectors	25	92-650
RG-6 90° F Compression Connectors	3	92-691

Economy Compression Kit

- Starter kit includes the tools and connectors to cut, strip and terminate coax cables.
- For use with F Connectors



Description		Part No.
Economy Compression Kit		33-620
Kit Includes:	**Qty.**	**Part No.**
LinearX®3 Compression Tool	1	33-632
Data T®-Cutter	1	45-074
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	1	45-605
RG-59 RTQ™ Compression Connectors	10	92-610
RG-6 RTQ™ XR™ Compression Connectors	30	92-650

Technician's Service Kit

- Kit includes tools to install twisted pair cable on blocks and data jacks.



Description		Part No.
Technician's Service Kit		33-505
Kit Includes:	**Qty.**	**Part No.**
Electrician's Scissors w/Stripping Notches	1	35-088
Probe Pic & Spudger	1	35-473
Punchmaster™ Punchdown Tool w/110 & 66 Blades	1	35-485
7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	1	35-908
UTP/STP Stripper	1	45-165
Nylon case	1	62-205

RJ-45 Termination Kit

- Suited for the user who will cut and terminate RJ-45 Modular Plugs.



Description		Part No.
RJ-45 Termination Kit		33-750
Kit Includes:	**Qty.**	**Part No.**
Telemaster™ for RJ-11/RJ-45 Plugs	1	30-496
UTP/Coax Stripper	1	45-165
8-Position RJ-45 CAT5e Modular Plugs	50	85-346

Telemaster™ Crimp Kit



Description		Part No.
Telemaster™ Crimp Kit		33-700
Includes:	**Qty.**	**Part No.**
Telemaster™ for RJ-11 (1, 2, 3 pair) and RJ-45 Plugs	1	30-496
6-Position, 4-Contact RJ-11 Modular Plugs	10	85-344
6-Position RJ-11 Modular Plugs	10	85-345
CAT 5e 8-Position, 8-Contact RJ-45 Modular Plugs	10	85-346

RJ-45/11 Four, Six & Eight-Position Combination TelCom Termination Kit



- TelCom Kit is designed for the user who will terminate RJ-11 and RJ-45 twisted pair cables.

Description		Part No.
TelCom Termination Kit		**33-704**
Kit Includes:	**Qty.**	**Part No.**
Telemaster™ for RJ-11/RJ-45 Plugs	1	**30-496**
6P4C RJ-11 Modular Plugs	15	**85-344**
6P6C RJ-11 Modular Plugs	15	**85-345**
8P8C RJ-45 CAT 5e Modular Plugs	15	**85-346**

PRO Network/Telco Installer Kit



- Kit allows user to terminate modular plugs as well as data blocks or jacks.

Description		Part No.
PRO Network/Telco Installer Kit		**33-506**
Includes:	**Qty.**	**Part No.**
Ratchet Telemaster™	1	**30-696**
Electrician's Scissors w/Stripper Notches	1	**35-088**
Probe Pic and Spudger	1	**35-473**
Punchmaster™ II w/110 & 66 Blades	1	**35-485**
13 in. Large Mouth Bag	1	**37-013**
UTP/STP Stripper	1	**45-165**
6-Position RJ-11 Modular Plugs	10	**85-345**
8-Position CAT5e RJ-45 Modular Plugs	50	**85-396**

MiniLite-Strip™ Optical Fiber Stripper



- Small strip notch engineered and precision-ground to strip 900 micron or 250 micron buffer coatings from 125 or 140 micron fiber
- Larger round strip notch machined to remove the 3mm outer jacket
- Strip notches pre-set and locked, no field adjustment necessary

Description	Part No.
MiniLite-Strip™ Optical Fiber Stripper	**45-352**

Serrated Kevlar® Cutter



- Superior quality high-carbon stainless steel with molybdenum and vanadium provides hard, razor-sharp edges
- Breaker notch cuts jacket and breaks fiberglass in one step
- Textured cushioned-grip handles
- Designed to cut up to 3mm fiber cables

Description	Part No.
Serrated Cutter w/Breaker Notch	**45-344**

U.S. Patent 7,017,462,B2
Note: Kevlar® is a registered trademark of E. I. du Pont de Nemours and Company.

Stripmaster® Ribbon Fiber Jacket Stripper



- Removes jacket from Ribbon Fiber without damage to the Kevlar® strength member of the Ribbon Fiber

Description	Part No.
Stripmaster® Wire Stripper Frame only	**L-5620**
Blade-set for use with Corning® Plenum and Riser Ribbon Fiber Cable	**LB-1152**
Blade-set for use with Corning® "Fanout" Ribbon Cable	**LB-1153**

Note: Kevlar® is a registered trademark of E. I. du Pont de Nemours and Company. Corning® is a registered trademark of Corning, Inc. Frame and blade set sold separately.

DualScribe™ Double-Ended Fiber Optic Scribes



- 30° single bevel – DualScribe™ reversible blade doubles tool life
- Soft non-slip grip provides precise control during scribing
- Clear safety cap protects the blades from damage when not in use

Description	Part No.
Ruby Blade Fiber Optic Scribe (Red Handle)	**45-357**
Sapphire Blade Fiber Optic Scribe (Blue Handle)	**45-358**
Carbide Blade Fiber Optic Scribe (Black Handle)	**45-359**

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IDEAL Electrical is a global leader in manufacturing electrical tools and supplies. For more than a century, electricians have counted on IDEAL® to champion the electrical trade. We're masters of our craft, committed to pushing innovation forward with new solutions that power your work.

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 world.

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

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6/26 Printed in U.S.A.
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Form No. P-070