

3M Wire Connectors

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The best connectors do more than fit the application; they also fit your hand, and they feel good to use. At 3M, we design connectors that are as comfortable and easy to use as they are dependable.

Our complete line provides a wide range of connector choices. Simply choose the connector that fits your personal preference, as well as the application. We give you plenty of choices.

Start with the unique Performance Plus wire connectors. See just how easy it is to work with three sizes instead of seven, and still cover the entire 600-volt copper wire range. The Scotchlok™ connectors are our original color-coded line of wire connectors designed with the exact features requested most by electricians. 3M wire connectors are hardy for regular or low-voltage systems in construction, industrial, maintenance, OEM or irrigation. Highland™ wire connectors offer an affordable alternative with no compromise to quality.

It's all here — right at your fingertips — with 3M's family of easy-to-use, versatile and highly reliable wire connectors.



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Quick, reliable splices are a snap and a squeeze

For over 30 years, 3M has been designing connectors with the reliability and ease of installation that electricians demand. From the very first Scotchlok insulation displacement connector (IDC) to today's improved models, 3M has always provided connection technology that saves time and money.

The latest series of IDCs has kept all that was good about the original connector — the design, the shape, the element technology and the color-coding.

Choose from 38 different 3M IDCs that meet a variety of uses; including fluorescent ballast installation and replacement, fixture and appliance wiring, automotive and marine wiring, and control circuit wiring. Whatever the application, 3M has the connector to make your job easier.

Spring Connectors and Tools



3M™ T/R+ Wire Connector featuring the Red Miniskirt

The new T/R+ Super Tan Connector is designed to replace the yellow, tan and red connectors in

the majority of all field applications. In addition, the compact design and red miniskirt give you more room in tight spaces, where it's needed most. The red miniskirt reduces overall connector size and offers a soft grip for comfortable installation. The comfortable wing design also makes it easy to install. Torque wings provide a comfortable and secure grip for fast installation and easy back-off.



3M™ O/B+, R/Y+, B/G+ Performance Plus Wire Connectors

Because of their increased wire range, just three Performance Plus Wire Connectors handle the work of seven standard

connectors. O/B+ replaces the orange, blue and gray wire nut style connectors, as well as 70% of the yellow wire nut and wing style connectors. R/Y+ replaces both red and yellow wing style connectors. B/G+ covers both the blue and gray wing style wire range. This simplifies selection of the right connector for a wide range of wiring jobs. There's also less inventory to manage, and a better chance you'll have the connector you need to do every job.



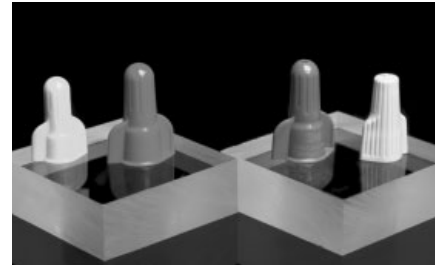
Scotchlok™ Y, R, G and B Electrical Spring Connectors

Scotchlok Y, R, G and B Electrical Spring Connectors are the original color-coded wire connectors designed with the features

electricians request. They're flexible, yet durable, with an outer insulator that gives you a compact, fully-insulated connection that won't cut or abrade wires. Their torque fins are engineered to provide a comfortable and secure grip, which makes installation fast and back-off easy.

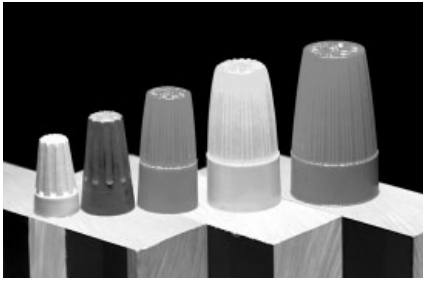
3M™ 212, 312, 512 and 512G Electrical Spring Connectors

The quick-spin, wing-torque design of 312 and 512 Electrical Spring Connectors is easy on your fingers. The day's last connection will feel almost as good as the first. Generous expansion room accommodates a wide range of solid or stranded wire. Use the 312 (yellow) connector for wire combinations from 3 #20 to 3 #12 AWG and the 512 (red) connector for 2 #18 to 5 #12 AWG. The 512G (green) is used for grounding connections.



Features — Benefits	
Spring Connectors	
Performance Plus Connectors	
Unique design	Accommodates multiple wire combinations
Rounded wings	Make connector easy to grip
Flexible skirt	Covers overstrips for additional safety
Three connectors in family	Cover entire 600V wire range
Scotchlok Insulated Electrical Spring Connectors	
Wingless	Compact connector
Soft shell connector	Unique to the industry
Designed to fit in tight places	Accommodates small areas
Color coded	Easy identification
3M Insulated Spring and Grounding Connectors	
Hard color-coded shell	Easy identification, ensures good grip
Winged	Easy, quick installations
Highland™ Color-Coded Connectors	
Economical	Saves money
Hard shell connector	Ensures good grip
Color coded	Easy identification

Highland™ Color-Coded Wire Connectors



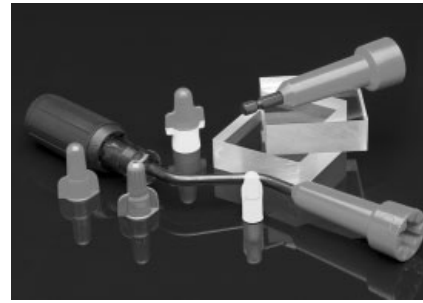
Highland Color-Coded Wire Connectors make it quick and easy to match the right connector to the size of the wire.

The shells are designed to withstand temperatures up to 221°F (105°C).

Highland color-coded wire connectors are UL Listed, CSA Certified, and work equally well with either solid or stranded wire. H-29 and H-30 connectors are rated to 300V. H-31, H-33 and H-35 connectors are rated to 600V (1000V in signs and lighting fixtures).

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3M™ WCD Wire Connector Drivers

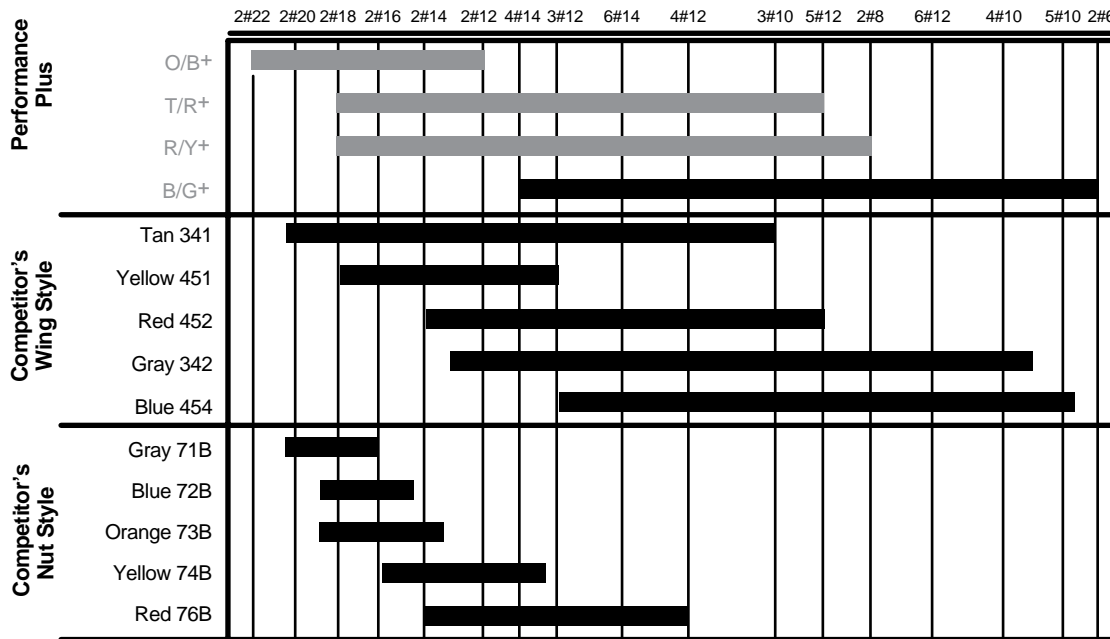


These application tools for 3M Performance Plus O/B+ and R/Y+; 3M 212, 312, and 512; and Scotchlok™ Y, R, and G connectors quickly spin on the connector and position the wire bundle in the box. The WCD-H is

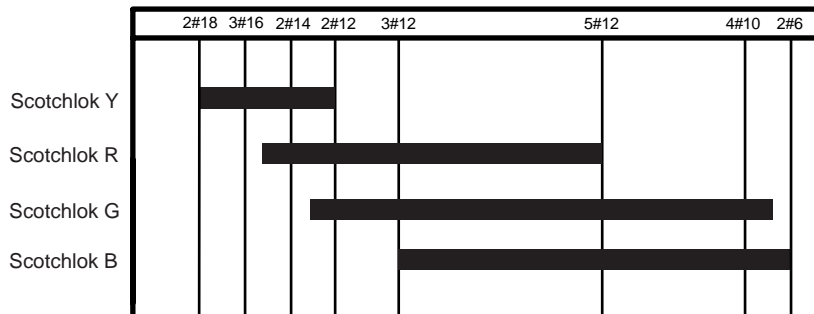
a hand driver and the WCD-P is a power driver that fits a standard chuck.

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Wire Range for Performance Plus Connectors



Wire Range for Color-Coded Connectors



Specification Information for Spring Connectors

Connector	Features/ Description	Maximum Voltage Rating	AWG (mm ²) Wire Range O.D.*	Temperature Rating	UL, CSA or CE Certified	Tools
O/B ⁺	 Flexible skirt w/square wire	600V (1000V in signs, lighting fixtures and luminaries)	2#22-2#12 3#14 (1,0 mm ² -5,0 mm ²)	221°F (105°C)	UL   	WCD-P WCD-H
T/R ⁺	 Quick bite, compact size wide wire range	600V (1000V in signs, lighting fixtures and luminaries)	up to 5# 12s (2,0 mm ² -16,0 mm ²)	221°F (105°C)	UL   	WCD-P WCD-H
R/Y ⁺	 Flexible skirt w/square wire	600V (1000V in signs, lighting fixtures and luminaries)	2#18-2#8 5#12 (2,0 mm ² -16,0 mm ²)	221°F (105°C)	UL   	WCD-P WCD-H
B/G ⁺	 Flexible skirt w/square wire	600V (1000V in signs, lighting fixtures and luminaries)	4#14-2#6 (10,0 mm ² -31,6 mm ²)	221°F (105°C)	UL   	—
Scotchlok™ R	 Insulated w/vinyl skirt and live spring	600V (1000V for signs, lighting fixtures and luminaries)	9#18, 4-6#16, 2-5#14, 2-5#12, 1-3#10 (5,0-16,0 mm ²)	221°F (105°C)	UL   	WCD-P WCD-H
Scotchlok Y	 Insulated w/vinyl skirt and live spring	600V (1000V for signs, lighting fixtures and luminaries)	5-8#22, 4-6#20, 2-5#18, 2-3#16, 1-3#14, 1-2#12, 1#10 (2,0-17,5 mm ²)	221°F (105°C)	UL   	WCD-P WCD-H
Scotchlok B	 Insulated w/vinyl skirt and live spring	600V (1000V for signs, lighting fixtures and luminaries)	3-6#12, 2-6#10, 2-3#8, 1-2#6 stranded (12,0-36,0 mm ²)	221°F (105°C)	UL   	—
Scotchlok G	 Insulated w/vinyl skirt and live spring	600V (1000V for signs, lighting fixtures and luminaries)	3-7#14, 2-6#12, 2-4#10, 2#8 (8,0-24,0 mm ²)	221°F (105°C)	UL   	WCD-P WCD-H
3M™ 212	 Insulated electrical connector w/live spring	600V (1000V for signs, lighting fixtures and luminaries)	1#16 to 1#22, 3#12, 4#14 (5,0-16,0 mm ²)	221°F (105°C)	UL  	WCD-P WCD-H
3M 312	 Nylon insulated w/live spring	600V (1000V for signs, lighting fixtures and luminaries)	5-7#22, 3-6#20, 2-6#18 2-6#16, 1-4#14, 1-3#12 (1-5-10,0 mm ²)	221°F (105°C)	UL   	WCD-P WCD-H
3M 512	 Nylon insulated w/live spring	600V (1000V for signs, lighting fixtures and luminaries)	2-10#18, 2-7#16, 1-6#14, 1-5#12, 1-3#10, 1-2#8, 1#6 (2,0-16,0 mm ²)	221°F (105°C)	UL  	WCD-P WCD-H
3M 512G	 Nylon insulated grounding connector	600V (1000V for signs, lighting fixtures and luminaries)	2-5#14, 2-5#12, 2-3#10, 1#14 w/ 1-4#12, 2#14 w/1-3#12, 3#14 w/2 or 3 #12, 4#14 w/1#12, 1#14 w/1-3#10, 2#14 w/1 or 2#10, 3#14 w/1#10, 1#12 w/1 or 2#10, 2#12 w/1#10 (4,0-15,0 mm ²)	221°F (105°C)	UL  	—
Highland™ H-29	 Round wire spring	300V	22-16 AWG [One 22 AWG; One 20 AWG Min.] [Two 16 AWG Max.] (1-5-2,5 mm ²)	221°F (105°C)	UL  	—
Highland H-30	 Round wire spring	300V	22-14 AWG [Three 20 AWG Min.] [Three 16 AWG Max.] (1,5-3,0 mm ²)	221°F (105°C)	UL  	—
Highland H-31	 Round wire spring	600V (1000V in signs, lighting fixtures and luminaries)	18-14 AWG [Two 18 AWG Min.] [Two 14 AWG Max.] (2,0-4,0 mm ²)	221°F (105°C)	UL  	—
Highland H-33	 Round wire spring	600V (1000V in signs, lighting fixtures and luminaries)	18-12 AWG [Two 18 AWG Min.] [Three 14 AWG Max.] (2,0-0,5 mm ²)	221°F (105°C)	UL  	—
Highland H-35	 Round wire spring	600V (1000V in signs, lighting fixtures and luminaries)	18-8 AWG [Three 18 AWG Min.] [Three 10 AWG Max.] (2,5-16,0 mm ²)	221°F (105°C)	UL  	—

* For information on additional Cu wire connections, refer to package or consult 3M technical service.

† UL Listed E23438 and CSA Certified LR15503

Ordering Information for Spring Connectors

Product Number	UPC (054007-)	Inner Unit Pack	Case Qty. (connectors)
O/B+	43152	100/box	1,000 box
	43153	500/container	10,000 bulk
T/R+	51128-54454-9	100/box	1,000 box
	51128-54455-6	750/jug	6,000 jug
	51128-54456-3	25,000/keg	25,000 keg
R/Y+	43154	100/box	1,000 box
	43155	500/container	4,000 bulk
B/G+	43150	50/box	500 box
	43151	250/container	2,000 bulk
R	20058	100/box	1,000 box
	70489	500/bag	5,000 bulk
Y	20041	100/box	1,000 box
	15769	500/bag	10,000 bulk
	42033	50/box	500 box
G	21346	100/box	1,000 box
	70488	500/bag	2,500 bulk
212 (Tan)	11792	100/box	1,000 box
	13202	500/bag	10,000 bulk
312 (Yellow)	08159	100/box	1,000 box
	08160	500/bag	10,000 bulk
512 (Red)	08161	100/box	1,000 box
	08162	500/bag	10,000 bulk
512G (Green)	49950	50/box	500 box
	50232	500/bag	10,000 bulk
H-29 (Gray)	43133	100/box	1,000 box
	43134	-	1,000 bin
	43135	-	25,000 keg (loose)
H-30 (Blue)	43122	100/box	1,000 box
	43123	-	1,000 bin
	43124	-	10,000 keg (loose)
H-31 (Orange)	43117	100/box	1,000 box
	43118	500/bag	10,000 bulk
	43119	-	1,000 bin
	43120	-	10,000 keg
H-33 (Yellow)	43136	100/box	1,000 box
	43138	500/bag	5,000 bulk
	43137	-	1,000 bin
	43139	-	5,000 keg
H-35 (Red)	49764	100/box	1,000 box
	49765	250/bag	2,500 bulk
	49766	-	1,000 bin

Specification and Ordering Information for Application Tools

Product Number	Description	Application	UPC (054007-)	Inner Unit Pack	Case Qty.
WCD-P	Power driver using a standard chuck, drill or screw driver	Tools for 3M™ O/B+, R/Y+, Scotchlok™ Y, R, G and 3M 212, 312, and 512.	49919	-	10
WCD-H	Hand driver	Tools for 3M O/B+, R/Y+, Scotchlok Y, R, G and 3M 212, 312, and 512.	49948	-	10

Crimp Sleeve Connectors

Scotchlok™ S-11 and S-31 Insulated Electrical Crimp Sleeve Connectors

UL Listed and CSA Certified, Scotchlok electrical crimp sleeve connectors make fast work of splicing 22 to 10 AWG copper conductors. Smooth flared entry makes wire insertion fast – simply twist conductors together and crimp. The S-11 and S-31 (copper), and MN14CEC/ST and MN10CEC/ST (steel) are insulated, closed-end crimp sleeve connectors.



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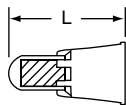
With a rugged, yet resilient nylon insulator, use these connectors in light fixtures, appliances and other electrical OEM applications.

Specification and Ordering Information for Nylon Insulated Closed End Connectors (Steel and Copper Insert)

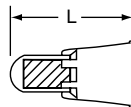


Product Number ¹	UPC (054007-)	Wire Range (AWG)	Copper Wire Combinations	L	Barrel Length	Barrel I.D.
722N (copper)*	29405	22-14	see chart below	0.76	0.31	0.091
722NS (steel)*	29610	22-14	see chart below	0.76	0.31	0.091
718N (copper)*	29406	18-10	see chart below	0.85	0.34	0.152
718NS (steel)*	29611	18-10	see chart below	0.85	0.34	0.152

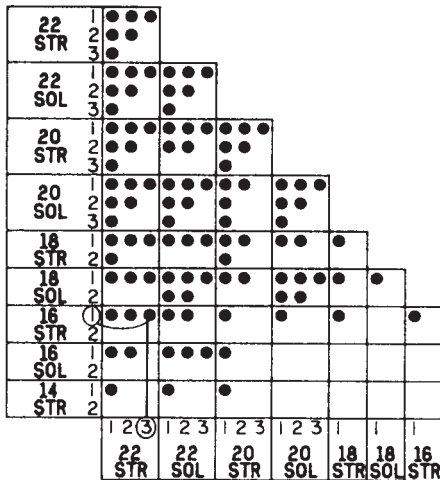
* UL Listed and CSA Certified for use with TH-440 and TH-450 Crimping Tools.



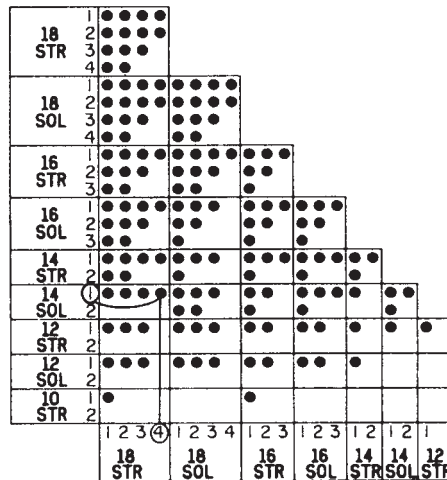
722-N, 722-NS
Wire Range 22-14



718-N, 718-NS
Wire Range 18-10



How to read chart for 722-N:
One #16 Stranded plus three #22 Stranded (equaling four wires) can be connected using an 722-N connector.



How to read chart for 718-N:
One #14 Solid plus four #18 Stranded (equaling five wires) can be connected using an 718-N connector.

Direct Bury Products and Sealing Pack

3M™ Direct Bury Products

3M DBY/DBR Direct Bury Splice Kits are real time savers when installing underground electrical systems. Every component for the splice is included in the kit. The insulator tube is pre-filled, eliminating the chance of the installer using too much, or too little sealant.

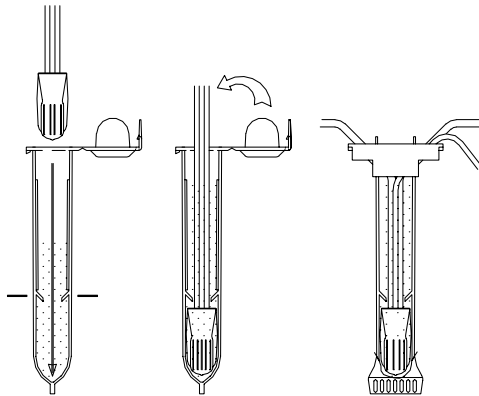
No crimping tools, no waste, no mess. Just quick, reliable underground splices for irrigation and sprinkler systems, landscape lighting and other 30-volt underground projects. The splice may be re-entered without cutting the wires (new tube required).

These 3M underground electrical wire connectors splice and effectively moisture-seal two or more conductors for



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remote-control circuits in irrigation and landscape lighting systems. **DBY-6 and DBR-6 are UL Listed and CSA Certified for 600V direct bury and submersion applications. UL File No. E102356 and CSA File No. LR91920.** Each kit makes two splices.



Product Referral Generator

Connecting
– 316IR IDCpg. 98

Specification Information for 3M Direct Bury Products

Product Number	Description and Kit Contents	Wire Range (AWG)	Volts	Temperature Range	UL File No. E102356 and CSA File No. LR91920
DBR	(2) Tubes (2) Scotchlok™ R Connectors	5#16-3#10 (5,0–16,0 mm ²)	30	32°-120°F (0°-49°C)	n/a
DBR-6	(2) Tubes (2) Scotchlok R Connectors	5#16-3#10 2#12 (5,0–16,0 mm ²)	600	32°-120°F (0°-49°C)	CE UL SF
DBY	(2) Tubes (2) Scotchlok Y Connectors	2-5#18 thru 2#12 (2,0–7,5 mm ²)	30	32°-120°F (0°-49°C)	n/a
DBY-6	(2) Tubes (2) Scotchlok Y Connectors	2-5#18 thru 2#12 (2,0–7,5 mm ²)	600	32°-120°F (0°-49°C)	CE UL SF
3570G	Connector sealing pack containing 3M Scotchcast 400 epoxy resin	Accommodates 3M O/B+, R/Y+, Scotchlok Y, R, G, B and 3M 212, 312, 512	30	n/a	n/a

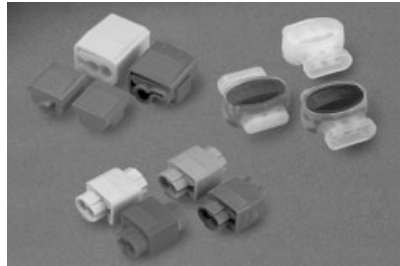
Ordering Information for 3M Direct Bury Products

Product Number	UPC (054007-)	Inner Unit Pack	Case Qty.
DBR	09964	Kit- 2 Tubes and 2 Scotchlok R Connectors 100 tubes and 100 connectors	25 kits 100 each
DBR-6	69756	Kit- 2 Tubes and 2 Scotchlok R Connectors 100 tubes and 100 connectors	25 kits 100 each
DBY	09053	Kit- 2 Tubes and 2 Scotchlok Y Connectors 100 tubes and 100 connectors	25 kits 100 each
DBY-6	69757	Kit- 2 Tubes and 2 Scotchlok Y Connectors 100 tubes and 100 connectors	25 kits 100 each
3570G	53241*	10/box	100 each

* UPC prefix 051128

Insulation Displacement Connectors and Tools

Scotchlok™ IDC Connectors for Electrical Applications



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The latest series of Scotchlok Insulation Displacement Connectors (IDCs) has kept all that was good about the original connector — the design, the shape, the element technology and the color-coding.

Each new model, however, also incorporates a full wire range capability, an increased port size that accommodates up to 0.155" (4,0 mm) insulation sizes, double "U" elements and a solvent-resistant plastic construction. Choose from 38 different 3M IDCs to meet a variety of uses; including fluorescent ballast installation and replacement, fixture and appliance wiring, automotive and marine wiring, and control circuit wiring.

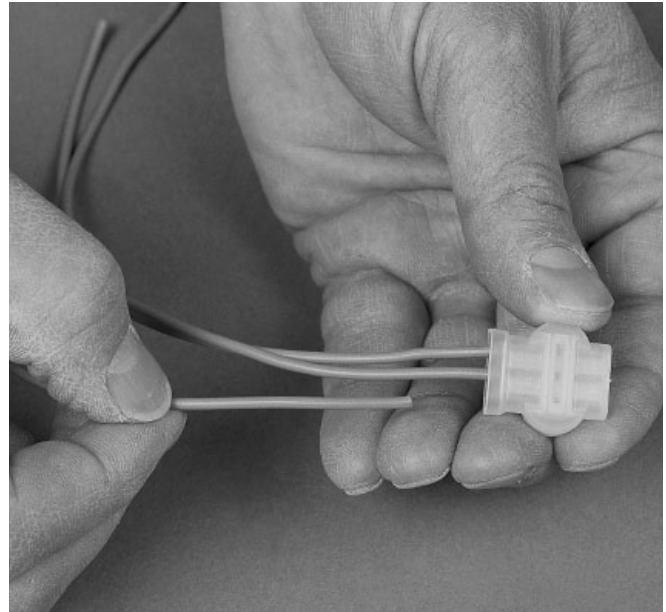
Scotchlok™ IDC Connectors for Communication Applications



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Over 30 years ago, 3M introduced the industry's original U element connector, the Scotchlok UR Connector. The latest series of connectors; the Scotchlok UR2, UY2 and UB2A connectors; feature that same originality

in technological advantages, building on the successful Scotchlok connector's design, shape, color-coded cap concepts and element technology. The Series 2 connectors additionally offer full wire range capability, increased port size to accommodate up to 0.082" (2,08 mm) insulation sizes, double elements in all products and a solvent-resistant plastic construction.



Scotchlok Insulation Displacement Connectors require no stripping.

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3M™ E-9BM, E-9C, E-9E, E-9Y Crimping Tools



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The E-9BM Crimping Tool is used with most Scotchlok connectors, and has parallel closing action with adjustable jaws and a high mechanical advantage. The E-9C Cartridge Tool with Case holds connectors (in cartridges) firmly

in place, allowing the craftsperson use of the other hand for guiding wires. A time saving tool, the E-9C tool holds cartridges of UR2, UR, UY2, UY, or UAL connectors. The E-9E Crimping Tool is a parallel closing-action tool for use with Scotchlok butt and tap connectors. The E-9Y Crimping Tool's stepped jaws and long nose provide parallel crimping action. Its features include a side wire cutter, cushioned handles and a return spring.



Features — Benefits

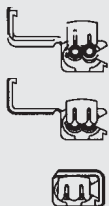
Insulation Displacement Connectors

Squeeze shut connector	No stripping or twisting
Crimp with slip-joint pliers	No special tools required
Unique "U" contact, fully insulated	Provides dependable connections
No need to cut run wire	Faster installation, minimum clean up
No need to twist on	Easy on hands



Connecting Tips

Quick, reliable splices are a squeeze. And a snap.



3M Scotchlok Insulation Displacement Connectors (IDCs) are easy to use and save time — to install one, just squeeze — no stripping or twisting. Our unique "U" contact provides a dependable electrical connection.

- A "live-spring" joint is made by driving the "U" contact down into the connector.
- As the "U" contact is pressed into the connector, it grasps the conductors as it displaces the insulation.
- Contact grips the conductor and holds with a firm, resilient pressure.

Specification Information for Scotchlok™ Insulation Displacement Connectors

Connector	Type Connection	Features/Description	Maximum Insulation O.D.	AWG (mm ²) Wire Range	Operating Temperature	UL, CSA or CE Certified	Tools
314*		Moisture-resistant seal	0.155" (3,9 mm)	22-14 (0,5-1,5)	221°F (105°C)	UL ^{††} SF	E-9BM
314U*		Dry environment applications	0.155" (3,9 mm)	22-14 (0,5-1,5)	221°F (105°C)	UL ^{††} SF	E-9BM
316IR		Moisture-resistant applications	0.155" (3,9 mm)	22-16 (0,5-1,5)	221°F (105°C)	n/a	E-9BM
557*		Dual element connection	0.120" (3,05 mm)	22-16 (0,5-1,5)	221°F (105°C)	UL ^{††} SF CE	E-9BM
558*		Flame retardant	0.120" (3,05 mm)	22-16 (0,5-1,5)	221°F (105°C)	UL ^{††} SF CE	E-9BM
560		Flame retardant	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 (1,5) Stranded	221°F (105°C)	UL ^{††} SF CE	E-9BM
560B		Run & Tap Splicing	0.145" (3,68 mm)	18-16 (0,75-1,0) Solid/Stranded 14 (1,5) Stranded	194°F (90°C)	UL ^{††}	E-9BM
562		Run & Tap Splicing	0.190" (4,82 mm)	12 (2,5) Solid/Stranded 10 (4,0) Stranded	194°F (90°C)	UL ^{††} CE	E-9BM
564		Dry environment applications	0.145" (3,68 mm)	18-14 (0,75-1,5)	194°F (90°C)	CE	E-9BM
567		Dual element connection Flame retardant	0.145" (3,68 mm) Tap 0.190" (4,82 mm) Run	18-14 (0,75-1,5) Tap 12-10 (2,5-4,0) Run	221°F (105°C)	UL ^{††} SF CE	E-9BM
801		Tap and parallel	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 (1,5) Stranded	194°F (90°C)	UL ^{††}	E-9BM
804		Moisture-resistant applications	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 (1,5) Stranded	167°F (75°C)	UL [†]	E-9BM
804U		Dry environment applications	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 (1,5) Stranded	167°F (75°C)	UL [†]	E-9BM
901**		Disconnect	0.145" (3,68 mm)	18-14 (0,75-1,5)	194°F (90°C)	n/a	E-9BM
902		Flame retardant tap	0.145" (3,68 mm) Tap 0.190" (4,82 mm) Run	18-14 (0,75-1,5) Tap 12-10 (3,0-4,0) Run	221°F (105°C)	UL ^{††} SF	E-9BM
903		Tap and parallel	0.190" (4,82 mm)	12 (3,0) Solid/Stranded 10 (4,0) Stranded	194°F (90°C)	UL ^{††}	E-9BM
905		Low voltage (automotive) applications	0.110" (2,79 mm) Tap 0.145" (3,68 mm) Run	22-18 (0,5-1,0) Tap 18-14 (0,75-1,5) Run	194°F (90°C)	CE	E-9BM
905N		Low voltage (automotive) applications	0.110" (2,79 mm) Tap 0.145" (3,68 mm) Run	22-18 (0,5-1,0) Tap 18-14 (0,75-1,5) Run	194°F (90°C)	n/a	E-9BM
951		T-tap disconnect	0.150" (3,81 mm)	22-18 (0,5-1,0)	221°F (105°C)	UL [†] SF	E-9BM
952		T-tap disconnect	0.150" (3,81 mm)	18-14 (0,75-1,5)	221°F (105°C)	UL [†] SF	E-9BM
953		T-tap disconnect	0.150" (3,81 mm)	12 (3,0)	221°F (105°C)	UL [†] SF	E-9BM
972		Auto fuse holder	0.150" (3,81 mm)	18-14 (0,75-1,5)	194°F (90°C)	n/a	E-9BM

*Also tested in accordance with UL Standard for Portable Electric Lamps, UL 153, Section 15 when housed within the body of the lamp.



























**Part can be used in conjunction with the T-90-3 found on page 73.

[†] UL Listed 70512 and/or CSA Certified LR15503 ^{††} UL Listed 23438 and/or CSA Certified LR15503

Ordering Information for Scotchlok™ Insulation Displacement Connectors

Product Number	UPC (054007-)	Inner Unit Pack	Case Qty.
314	09230	50/box	500 box
	09231	-	1,000 bin
314U	09232	50/box	500 box
	09233	-	1,000 bin
316IR	50419	30/bag	300 bulk
557	21494	100/box	1,000 box
	21502	500/bag	5,000 bulk
558	14861	100/box	1,000 box
	14879	500/bag	5,000 bulk
560	00839	100/box	1,000 box
	00840	500/bag	5,000 bulk
560B	20090	100/box	1,000 box
	20181	500/bag	5,000 bulk
562	11032	100/box	1,000 box
	11040	-	1,000 bin
564	06118	500/bag	5,000 bulk
567	14887	100/box	1,000 box
	14895	-	1,000 bin
801	06126	50/box	1,000 box
	06127	500/bag	5,000 bulk
804	06134	25/box	250 box
	06135	500/bag	5,000 bulk
	50187	50/bag	1,000 bulk
	50188	100/bag	1,000 bulk
804U	50767	500/box	5,000 box
901 - Mates 156 male	06106	50/box	500 box
	06107	500/bag	5,000 bulk
902	06119	50/box	1,000 box
	06120	-	1,000 bin
903	06122	50/box	1,000 box
	06123	-	1,000 bin
905	06128	50/box	500 box
	06129	500/bag	5,000 bulk
905N	06124	500/bag	5,000 bulk
951	12312	50/box	500 box
	12313	-	1,000 bin
952	08427	50/box	500 box
	08428	-	1,000 bin
953	12314	50/box	500 box
	12315	-	1,000 bin
972	06171	25/box	250 box
	06172	-	1,000 bin

Specification Information for Scotchlok™ Insulation Displacement Connectors for Communication

Connector	Type Connector	Features	Maximum Insulation	AWG (mm ²) Wire Range	Operating Temp.	UL, CSA or CE Certified	Suggested 3M Tool
U1R 		Full pair	0.125" (3,18 mm)	19-24 (0,9-0,5) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM
UAL 		For aluminum copper	0.082" (2,08 mm) Outside port 0.076" (1,93 mm) Center port	17-20 (1,15-0,8) Solid wire 19-24 (0,9-0,5) Solid copper	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UB2A 		RUS Listed, full featured*	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UB2A-D 		RUS Listed, full featured*	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UG 		Moisture-resistant seal	0.066" (1,67 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UP2 		Dry flame retardant	0.060" (1,52 mm)	22-26 (0,7-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UP3 		Dry flame retardant	0.066" (1,67 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UR 		Moisture-resistant seal	0.066" (1,67 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UR2 		RUS Listed, full featured*	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UR2-D 		Dry full featured*	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UY 		Moisture-resistant seal	0.060" (1,52 mm)	22-26 (0,7-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UY2 		RUS Listed, full featured*	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UY2-D 		Dry full featured*	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y

Note: solid wires only.

*Full Featured – Offers full wire range capability, increased port size to accommodate up to 0.82" (2,08 mm) insulation sizes, double elements in all products and a solvent-resistant plastic construction.

Ordering Information for Scotchlok™ Insulation Displacement Connectors for Communication

Product Number	UPC (054007-)	Inner Unit Pack	Distributor Order Qty.
U1B	71340	—	1,000 bulk
U1R	56388	100/box	1,000 case
UAL	27827	100/box	1,000 case
	27828	10 conn./cart. - 10 cart./pack - 10 pack/case	1,000 connectors each
UB2A	92693	100/box	1,000 case
	92695	—	1,000 bin
	92696	500/bag	5,000 bulk
UB2A-D	92694	100/box	1,000 case
	92698	—	1,000 bin
	92697	1,000/box	5,000 bulk
UG	56391	100/box	1,000 case
	33280	—	5,000 bulk
	27814	20/bag	1,000 bin
UP2	32698	16 conn./cart. - 10 cart./pack - 10 pack/case	1,600 connectors each
	33420	100/box	5,000 bulk
	33428	N/A	1,000 bin
UP3	33429	N/A	1,000 bin
	33419	N/A	5,000 bulk
	32700	10 conn./cart. - 10 cart./pack - 10 pack/case	1,000 connectors each
UR	33277	—	5,000 bulk
	27815	N/A	1,000 bin
	56390	100/box	1,000 case
	27816	10 conn./cart. - 10 cart./pack - 10 pack/case	1,000 connectors each
UR2	68540	—	1,000 bin
	68538	100/box	1,000 case
	68539	500/box	5,000 bulk
	68541	10 conn./cart. - 10 cart./pack - 10 pack/case	1,000 connectors each
UR2-D	71473	N/A	1,000 bin
	71474	N/A	5,000 bulk
	71475	10 conn./cart. - 10 cart./pack - 10 pack/case	1,000 connectors each
UY	33278	1,000/box	5,000 bulk
	14929	N/A	1,000 bin
	14911	100/box	1,000 case
	27817	16 conn./cart. - 10 cart./pack - 10 pack/case	1,600 connectors each
UY2	68536	N/A	1,000 bin
	68537	100/box	1,000 case
	68535	N/A	5,000 bulk
	68534	12 conn./cart. - 10 cart./pack - 10 pack/case	1,200 connectors each
UY2D	71476	N/A	1,000 bin
	71477	N/A	5,000 bulk
	71478	12 conn./cart. - 10 cart./pack - 10 pack/case	1,200 connectors each

Specification and Ordering Information for 3M™ Application Tools

Product Number	UPC (054007-)	Description	Application	Inner Unit Pack	Case Qty.
E-9BM Crimping Tool	33482	Adjustable jaws, parallel action	UR2, UR2-D, UR, UY2, UY2-D, UY, UAL, ULG, UP2	1/box	10
E-9E Crimping Tool	10577	Parallel action	UAL, UG, UR2, UY2, UB2	1/box	10
E-9Y* Crimping Tool	15625	Stepped jaws, side wire cutters, cushioned handles, return spring	UAL, UG, UR2, UY2, UB2	1/box	10

*It is recommended when splicing 19 AWG (0,9 mm) using the E-9Y tool that no more than two conductors be crimped.