

## H-SS1 and H-SS2 Set Screw Wire Connectors

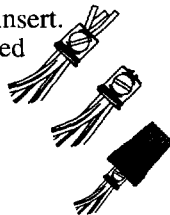


The Highland™ Set Screw Wire Connectors make rewiring and inspections of motor lead connections easy. The rugged, two-piece, compression-type design consists of a set screw in a brass barrel and a high-temperature locking cap. The brass barrel enhances conductivity, and the insulator cap is easily screwed on and off, locking securely in place to isolate the

connection yet allowing easy access to the connection for inspection, testing or rewiring.

The high-temperature cap of the Highland Set Screw Wire Connector is rated to 150°C/302°F, and no special tools are required for either the cap or the set screw.

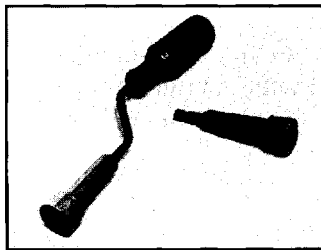
- Strip and insert bare wires into metal insert. Insulation should be flush with threaded end.
- Tighten set screw firmly. Cut off excess bare wire flush with insert.
- Thread insulator cap on as tightly as possible.



Product	UPC	Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack	Case Qty.
H-SS1	50390 41817	18-12 AWG (Two 18 AWG Min.) (Four 14 AWG Max.)	100 10/bag	1000 100
H-SS2	50391 41818	16-10 AWG (Two 14 AWG Min.) (One 12 AWG; Two 10 AWG Max.)	100 10/bag	1000 100

UPC prefix 054007-.

## WCD Drivers



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These 3M Scotchlok™ Wire Connector Drivers WCD Series are the application tools for 3M Scotchlok™ 2 O/B and R/Y; 3M Scotchlok™ Y, R and G; and 3M 212, 312 and 512. They spin on the connector quickly and position wire bundle in the box with ease. The power driver fits a standard chuck.

Product	UPC	Description	Case Qty.
WCD-P	49919	Power Driver	10
WCD-H	49948	Hand Driver	10

UPC prefix 054007-.

## Insulation Displacement Connectors (IDCs)

### 314 & 314U IDCs

Use to electrically connect two or three wire ends and insulate the connection. **The sealant filled 314 provides a moisture resistant seal.** The 314U does not have a moisture resistant seal.

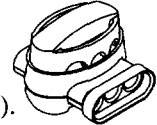
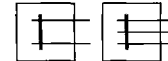
Flame retardant.

Pigtail 2- and 3-wire.

Maximum Insulation O.D.: 0.150" (3,8 mm).

Operating Temperature: 105°C.

314 Color: Blue 314U Color: White



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
314	09230	09231	22-14	50/bx	—	500	1000
314U	09232	09233	22-14	50/bx	—	500	1000

UPC prefix 054007-.

Also meets the intent of UL Standard for Portable Electric Lamps, UL153 Paragraph 14.2 when housed within the body of the lamp.

### 557 IDCs

Use to electrically connect two wire ends and insulate the connection.

Designed for fluorescent ballast installation and replacement, fixture wiring, appliance wiring, signal and PA systems, automotive, boat and recreational vehicle wiring.

UL listed for 600 volts.

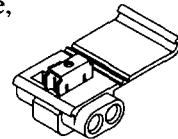
Flame retardant.

Pigtail.

Maximum Insulation O.D.: 0.120" (3,05 mm).

Operating Temperature: 105°C.

Color: Red



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
557	21494	21502	22-16	100/bx	500/bg	1000	5000

UPC prefix 054007-.

Also meets the intent of UL Standard for Portable Electric Lamps, UL153 Paragraph 14.2 when housed within the body of the lamp.

# 3M™ Wire Connectors

## 558 IDCs

Use to electrically connect a (tap) wire end to a through (run) wire and insulate the connection.

Designed for control circuit wiring up to 600 volts, fixture wiring, appliance wiring, signal and PA systems, automotive, boat and recreational vehicle wiring.

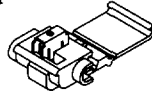
Flame retardant.

Tap.

Maximum Insulation O.D.: 0.120" (3,05 mm).

Operating Temperature: 105°C.

Color: Red



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
558	14861	14879	22-16	100/bx	500/bg	1000	5000

UPC prefix 054007-.

Also meets the intent of UL Standard for Portable Electric Lamps, UL153 Paragraph 14.2 when housed within the body of the lamp.

## 560, 560B and 560N IDCs

Use to electrically connect a (tap) wire end to a through (run) wire and insulate the connection.

Flame retardant.

560 and 560B tap and parallel.

560N parallel.

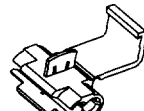
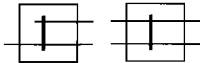
Maximum Insulation O.D.: 0.145"

Operating Temperature: 105°C

560 Color: Light Blue

560B Color: Dark Blue

560N Color: Brown



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
560	00839	00840	18-16 Stranded and Solid 14 Stranded Only (0,75-1,5 mm <sup>2</sup> )	100/bx	500/bg	1,000	5,000
560B	20090	20181	18-16 Stranded and Solid 14 Stranded Only (0,75-1,5 mm <sup>2</sup> )	100/bx	500/bg	1,000	5,000
560N	—	09513	18-16 Stranded and Solid 14 Stranded Only (0,75-1,5 mm <sup>2</sup> )	—	—	—	5,000

UPC prefix 054007-.

## 562 IDCs

Use to electrically connect a (tap) wire end to a through (run) wire and insulate the connection.

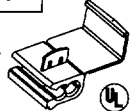
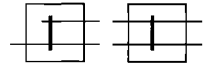
Use on fleet and off-the-road equipment for tap, inline and pigtail splicing of heavy duty wire.

Tap and parallel.

Maximum Insulation O.D.: 0.190" (4,82 mm).

Operating Temperature: 90°C.

Color: Yellow



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
903564	06122	06123	12 Stranded and Solid 10 Stranded Only	50/bx	—	1000	1000

UPC prefix 054007-.

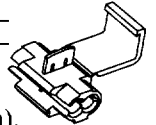
## 564 IDCs

Use to electrically connect two through (run) wires and insulate the connection.

Parallel.

Maximum Insulation O.D.: 0.145" (3,68 mm).

Color: White



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
564	—	06118	18-14	—	500/bg	—	5000

UPC prefix 054007-.

## 567 IDCs

Use to electrically connect a (tap) wire end to a through (run) wire and insulate the connection.

Ideal for over-the-road equipment for tap, inline and pigtail splices. Includes port window for visual check on tap wire position. Improved crimping ease and pull-out resistance.

Flame retardant.

Tap.

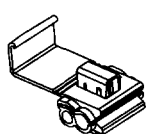
Maximum Insulation O.D. for 18-14

Tap: 0.145" (3,68 mm).

Maximum Insulation O.D. for 12-10, Run: 0.190" (4,82 mm).

Operating Temperature: 105°C.

Color: Brown



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
902	06119	06120	18-14 Tap 12-10 Run	50/bx	—	1000	1000

UPC prefix 054007-.

## 804 IDCs

Use to electrically connect a (tap) wire end to a through (run) wire, insulate and provide a moisture resistant seal for the connection.

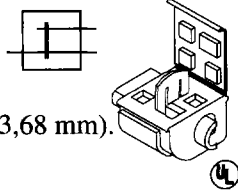
804 is a sealant filled connector used to protect electrical connections for RV trailers, boats, fleet vehicles, etc. and other environmentally sensitive applications from corrosive environments — road chemicals, salt spray and exhaust fumes.

Tap.

Maximum Insulation O.D.: 0.145" (3,68 mm).

Operating Temperature: 75°C.

Color: Blue



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
804	06134	06135	18-16 Stranded and Solid 14 Stranded Only	25	500	250	5000
804 (bag)*	50187	50188	18-16 Stranded and Solid 14 Stranded Only	50	100	1000	1000

UPC prefix 054007-.

\*804 (bags) are packaged in unmarked bags of 50 and 100 so that expeditors can apply their own labels and avoid repackaging.

## 905 IDCs

Use to electrically connect a (tap) wire end to a through (run) wire and insulate the connection.

Use for low voltage accessories such as radios, stereo speakers, tape decks and CB radios.

Makes tap, incline and pigtail splices.

Pigtail and tap.

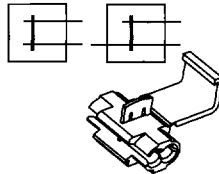
Maximum Insulation for 22-18

Tap: 0.110" (2,79 mm).

Maximum Insulation for 18-14

Run: 0.145" (3,68 mm).

Color: Red



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
905	06128	06129	22-18 Tap 18-14 Run	50/bx	500/bg	500	5000

UPC prefix 054007-.

## 905N IDCs

Use to electrically connect two through (run) wires and insulate the connection.

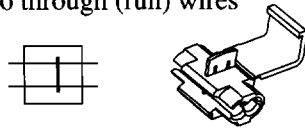
Parallel.

Maximum Insulation O.D.

for 22-18 Tap: 0.110"

Maximum Insulation O.D. for 18-14 Run: 0.145"

Color: Red



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
905N	—	06124	22-18 Tap 18-14 Run (0,5-1,5 mm <sup>2</sup> )	—	500/bg 5,000/ctn.	—	1

UPC prefix 054007-.

## 951, 952 & 953 IDCs

Use to electrically tap into a wire in mid-span without cutting or stripping the wire. Connector then mates with 3M 0.250" (6,35 mm) male tabs, making a quick-connect wiring connection.

Tap.

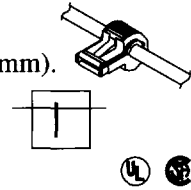
Maximum Insulation O.D.: 0.150" (3,81 mm).

Operating Temperature: 105°C.

951 Color: Red

952 Color: Blue

953 Color: Yellow



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
951	12312	12313	22-18	50/bx	—	500	1000
952	08427	08428	18-14	50/bx	—	500	1000
953	12314	12315	12	50/bx	—	500	1000

UPC prefix 054007-.

Note: UL File No. E70512, CSA File No. LR 32411.

## IDCs for Communication

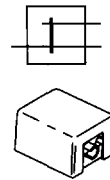
### UB2A-D, UB2A, and UB IDCs

Use to make a moisture resistant tap splice connection between two plastic-, paper- or pulp-insulated solid copper conductors of air core or filled cable.

Sealant: Mineral oil base grease.

UB2A-D is dry.

Color: Blue



Product	UPC	AWG Wire Range	Inner Unit Pack	Case Qty.
UB2A-D	79269	Solid 19-26 (0,9-0,4 mm <sup>2</sup> )	500/ctn	5000
UB2A	92693	Solid 19-26 (0,9-0,4 mm <sup>2</sup> )	100/bx	1000
UB	30201	Solid 22-26 (0,7-0,4 mm <sup>2</sup> )	100/bx	1000

UPC prefix 054007-.

# 3M™ Wire Connectors

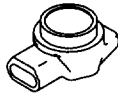
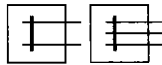
## UR2-D, UR2, and UR IDCs

Use to make a moisture resistant butt splice connection between two or three solid copper conductors of air core or filled cable.

Sealant: Mineral oil base grease.

UR2-D is dry.

UR Color: Red



Product	UPC		AWG Wire Range	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
UR2-D	—	71474	Solid 19–26 (0,9–0,4 mm <sup>2</sup> )	—	500	—	5000
UR2	68538	68539	Solid 19–26 (0,9–0,4 mm <sup>2</sup> )	100/bx	—	1000	5000
UR	56390	33277	Solid 22–26 (0,7–0,4 mm <sup>2</sup> )	100/bx	—	1000	5000

UPC prefix 054007-.

## UY2-D, UY2, and UY IDCs

Use to make a moisture resistant butt splice connection between two solid copper connectors of air core or filled cable.

Sealant: Mineral oil base grease.

UY2-D is dry.

Color: Yellow



Product	UPC		AWG Wire Range	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
UY2-D	—	71477	Solid 19–26 (0,9–0,4 mm <sup>2</sup> )	—	1000	—	5000
UY2	68537	68535	Solid 19–26 (0,9–0,4 mm <sup>2</sup> )	100/bx	—	1000	5000
UY	14911	33278	Solid 22–26 (0,7–0,4 mm <sup>2</sup> )	100/bx	—	1000	5000

UPC prefix 054007-.

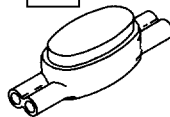
## U1B and U1R IDCs

Use to make a moisture-resistant inline splice connection between a full pair of solid copper conductors.

Sealant: Mineral oil base grease

U1B Color: Blue

U1R Color: Red



Product	UPC	AWG Wire Range	Inner Unit Pack	Case Qty.
U1B	71340	Solid 16–19 (1,3–0,9 mm <sup>2</sup> )	100/bx	1000
U1R	56388	Solid 19–24 (0,9–0,5 mm <sup>2</sup> )	100/bx	1000

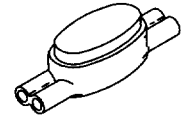
UPC prefix 054007-.

## U1Y IDCs

Use to make a moisture-resistant four-way bridging connection of solid copper conductors.

Sealant: Mineral oil base grease

Color: Yellow



Product	UPC	Description	AWG Wire Range	Inner Unit Pack		Case Qty.	
				Boxed	Bulk	Boxed	Bulk
U1Y	56389	Four-way bridging connection	Solid 16–19 (1,3–0,9 mm <sup>2</sup> )	100/bx	—	1,000	1,000

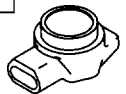
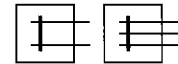
UPC prefix 054007-.

## UAL IDCs

Use to make a moisture-resistant butt connection between two or three solid copper conductors.

Sealant: Mineral oil base grease

Color: Gray



Product	UPC		AWG Wire Range	Inner Unit Pack		Case Qty.	
	Boxed	Cart		Boxed	Cart	Boxed	Cart
UAL	27827	27828	Solid 17–24 (1,15–0,5 mm <sup>2</sup> )	100/bx	10/pk	1000	10

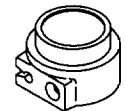
UPC prefix 054007-.

## UG IDCs

Use to make a moisture resistant tap splice connection between two solid copper conductors of air core or filled cable.

Sealant: Mineral oil base grease

Color: Green



Product	UPC		AWG Wire Range	Inner Unit Pack	Case Qty.	
	Boxed	Bulk			Boxed	Bulk
UG	56391	33280	Solid 19–26 (0,9–0,4 mm <sup>2</sup> )	100/bx	1000	5000

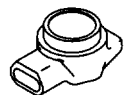
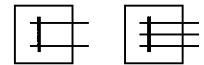
UPC prefix 054007-.

## ULG IDCs

Use to make a moisture-resistant butt splice connection between two or three solid copper conductors of air core or filled cable.

Sealant: Mineral oil base grease

Color: Green



Product	UPC		Description	AWG Wire Range	Inner Unit Pack	Case Qty.	
	Boxed	Bulk				Boxed	Bulk
ULG	30198	30199	2- or 3-wire butt connector for filled cable	Solid 19–24 (0,9–0,5 mm <sup>2</sup> )	100/bx 10/ctn. 100/pk	1,000	10

UPC prefix 054007-.