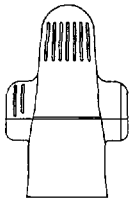


Spring Connectors

3M Spring Connectors have a long history of innovation and reliability. They are temperature rated to 105°C, and the voltage rating is **600 V** maximum for building wire and **1000 V** maximum for signs, fixtures and luminaries. **UL File No. E23438. CSA File No. LR15503.** These connectors comply with Federal specification W-S-610.

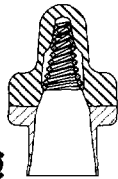
O/B, R/Y and B/G Wire Connectors



The 3M Scotchlok™ 2 Connectors O/B, R/Y, and B/G provide maximum protection and wider wire range, while fitting in the most crowded electrical boxes. The new unique design makes wiring faster and easier than ever. The rounded wings are for twisting the connector on and off. The flexible skirt and rigid top enable the

connector to conform to a box while protecting the connector and covering overstrips. It has a square wire spring that grips quickly, turns on fast, and expands to accept a wide range of wire sizes — gripping conductors for a solid secure connection.

Because of their increased wire range, just three Scotchlok 2 connectors handle the work of eight standard connectors. Red/Yellow replaces both Red and Yellow connectors. Orange/Blue replaces both Orange and Blue wingless connectors, and the Blue/Gray covers both the Blue and Gray wing style connectors.



Remember, Scotchlok 2 connectors easily meet UL max-fill requirements and are fully Listed for **600 volts**.

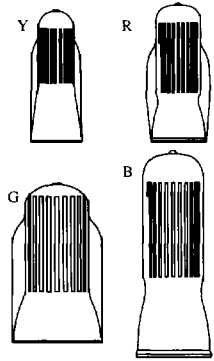
Product	UPC	Common AWG Cu to Cu Wire Combinations Solid or Stranded	Inner Unit Pack	Case Qty.
O/B	50422	2#22-2#12	100	1000
	50423		500	10000
R/Y	50424	2#18-2#8	100	1000
	50425		500	5000
B/G	50420	4#14-5#10	50	500
	50421		250	2500

UPC prefix 054007-.

Y, R, G and B Insulated Electrical Spring Connectors

3M Scotchlok Electrical Spring Connectors Y, R, G, B are insulated with a color-coded, pliable, vinyl skirt. They feature a “live-spring” which assures a tight grip, even on small wire combinations. These premium-grade connectors can be “backed-off” to allow maintenance or modification of electrical systems.

Y Color: Yellow
R Color: Red
G Color: Gray
B 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
Y	20041	15769	5-8 #22, 4-6 #20, 2-5 #18, 2-3 #16, 1-3 #14, 1-2 #12, 1 #10	100/bx	500/bg	1000	10000
R	20058	70489	9 #18, 4-6 #16, 2-5 #14, 2-5 #12, 1-3 #10	100/bx	500/bg	1000	5000
G	21346	70488	4-7 #14, 2-6 #12, 2-4 #10, 2 #8	100/bx	500/bg	1000	10000
B	42033	—	3-6 #12, 2-6 #10, 2-3 #8, 1-2 #6 stranded	50/bx	—	500	—

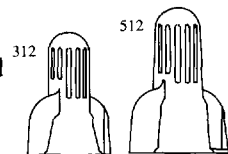
UPC prefix 054007-.

*For information on additional Cu connections, refer to package insert or consult 3M Technical Service.

312 and 512 Insulated Electrical Spring Connectors

3M Electrical Spring Connectors 312 and 512, with the quick-spin, wing-torque design, are nylon insulated and feature a “live-spring” which assures a tight grip, even on small wire combinations.

312 Color: Yellow
512 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
312	08159	08160	5-7 #22, 3-6 #20, 2-6 #18, 2-6 #16, 1-4 #14, 1-3 #12	100/bx	500/bg	1000	10000
512	08161	08162	2-10 #18, 2-7 #16, 1-6 #14, 1-5 #12, 1-3 #10, 1-2 #8, 1 #6	100/bx	500/bg	1000	10000

UPC prefix 054007-.

*For information on additional Cu connections, refer to package insert or consult 3M Technical Service.

3M™ Wire Connectors

212 Insulated Electrical Spring Connectors

3M Electrical Spring Connectors 212 feature a “live-spring” which delivers uniform holding power. It is designed to meet the quality requirements of OEMs and residential electrical contractors.



Color: Tan



Product	UPC		Common AWG Cu to Cu Wire Combinations Solid or Stranded*	Inner Unit Pack		Case Qty.	
	Boxed	Bulk		Boxed	Bulk	Boxed	Bulk
212	11792	13202	1 #6 to 1 #22, 3 #12, 4 #14	100/bx	500/bg	1000	10000

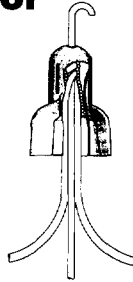
UPC prefix 054007-.

*For information on additional Cu connections, refer to package insert or consult 3M Technical Service.

Note: Not CSA certified

512G Grounding Connector

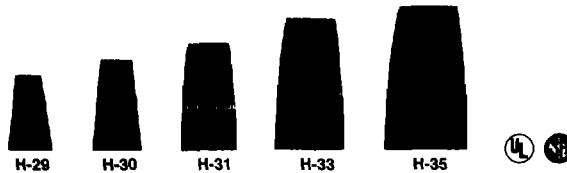
The 3M Grounding Connector is an electrical spring connector designed for making ground connections and bonding non-metallic sheathed cable. The connector has a live action spring for strong reliable connections. It will electrically connect two or more solid copper conductors in a pigtail-feedthru application.



Product	UPC	Common AWG Cu to Cu Wire Combinations Solid or Stranded (Cross-Section Capacity)	Inner Unit Pack	Case Qty.

UPC prefix 054007-.

Color-Coded Wire Connectors



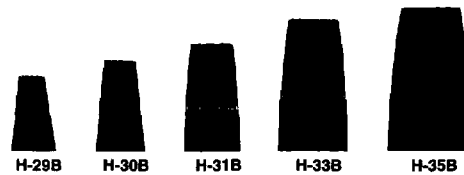
The Highland™ Color-Coded Wire Connectors are for general wiring — making it easy to match the right connector to the right sized wire. The internal, round wire spring insures smooth twist-on and a secure connection for years to come. The rigid shell is designed to withstand temperature to 105°C/221°F, the special ridges provide a good grip, even when hands are greasy or damp.

These connectors are UL Listed and CSA Certified, working equally well with solid and stranded wire. The H-29 and H-30 are rated to 300 V and the H-31, H-33, and H-35 are rated to 600 V (1000 V in signs and fixtures).

Product	UPC	Common AWG Cu to Cu Wire Combinations Solid or Stranded	Size	Inner Unit Pack	Case Qty.
H-30 (Blue)	49753 49754 49755	22-14 AWG (Three 20 AWG Min.) (Three 16 AWG Max.)	72B	100	1000 1000 10000
H-31 (Orange)	49756 49757 49758 49759	18-14 AWG (Two 18 AWG Min.) (Three 14 AWG Max.)	73B	100 500	1000 10000 1000 10000
H-33 (Yellow)	49760 49761 49762 49763	18-10 AWG (Two 18 AWG; One 14 AWG Min.) (Two 14 AWG; One 10 AWG Max.)	74B	100 500	1000 10000 1000 10000
H-35 (Red)	49764 49765 49766	18-8 AWG (Two 18 AWG; Two 16 AWG Min.) (Three 10 AWG Max.)	76B	100 250	1000 5000 1000

UPC prefix 054007-.

High-Temperature Wire Connectors



The Highland High-Temperature Wire Connectors are of superior quality. With a rating to 150°C/302°F they are designed for HID lighting, high-wattage fixtures and signs; and are perfect for new construction, maintenance and manufacturing applications. The large barrel-shaped cap eases hand-threading and the deep, wide throat allows easy entry and full coverage of the connections.

Product	UPC	Common AWG Cu to Cu Wire Combinations Solid or Stranded	Size	Inner Unit Pack	Case Qty.
H-30B	41820 50382 50383	22-14 AWG (Three 20 AWG Min.) (Three 16 AWG Max.)	72B	100/bag	1000 — 10000
H-31B	41821 50384 50385	18-14 AWG (Two 18 AWG Min.) (Four 14 AWG Max.)	73B	100/bag	1000 — 10000
H-33B	41822 50386 50387	18-12 AWG (One 18 AWG; One 14 AWG Min.) (Four 14 AWG Max.)	74B	100/bag	1000 — 5000
H-35B	41823 50388 50389	18-10 AWG (Two 14 AWG Min.) (Three 16 AWG; Three 12 AWG Max.)	76B	100/bag	1000 — 2500

UPC prefix 054007-.