

# Reliable High Performance



- Highly reliable
- Designed for comfort and ease of use
- Wide range of connector choices
- Suitable for commercial, residential, industrial, and maintenance applications

# 3M™ Performance Plus Wire Connectors

## Broad Wire Range = Inventory Savings

Because of their increased wire range, just three 3M™ Performance Plus Wire Connectors handle the work of eight standard connectors. There's also less inventory to manage with a better chance you'll have the connectors you need to do every job.

The rounded wings make 3M wire connectors exceptionally easy to handle.

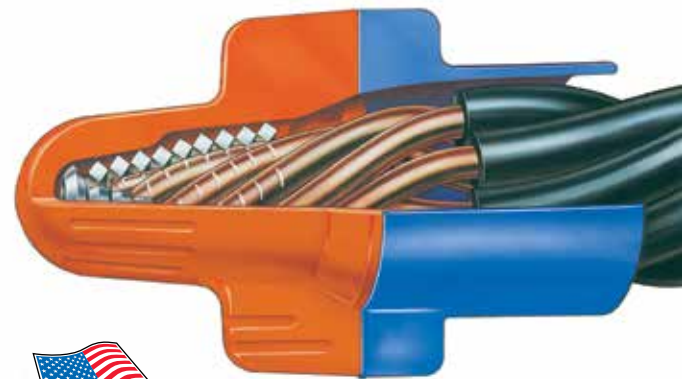
The flexible skirt covers over-strips yet conforms to whatever space is available in a box. Inside, the unique spring grips quickly and bites into conductors for solid, secure connections. These connectors are UL listed for 600 volts on copper wire.



## Ordering Information

### 3M™ Performance Plus Wire Connectors

Prod	Box	Bulk Container
<b>O/B+</b>	100 connectors/box 10 boxes/case 1,000 connectors/case	500 connectors/jug 20 jugs/case 10,000 connectors/case
<b>R/Y+</b>	100 connectors/box 10 boxes/case 1,000 connectors/case	500 connectors/jug 8 jugs/case 4,000 connectors/case
<b>B/G+</b>	50 connectors/box 10 boxes/case 500 connectors/case	250 connectors/jug 8 jugs/case 2,000 connectors/case



### Wire Range Capabilities

3M™ Connector	2#20	2#16	2#12	3#12	4#12	5#12	6#12	6#10
	2#18	2#14	4#14	6#14	3#10	2#8	4#10	
<b>O/B+</b>	[Orange bar]							
<b>R/Y+</b>	[Red bar]							
<b>B/G+</b>			[Blue bar]					

## 3M™ Tan Wire Connectors for Residential

The 3M™ Connectors T/R+ and T/Y+ bring benefits of the 3M™ Performance Plus Wire Connector line to residential applications where versatility and space is important. The T/R+ connector replaces traditional yellow, tan and red connectors while the T/Y+ connector replaces yellow and tan traditional connectors for most applications. The smaller skirts make them ideal for tight spaces. The 3M Connector 412 has the range of a traditional tan. T/R+ and T/Y+ Connectors are made in the USA.



Wire Range Capabilities										
3M™ Connector	2#20 2#18	2#16 2#14	2#12 4#14	3#12 6#14	4#12	5#12 3#10	6#12 2#8	6#10	6#10	6#10
T/Y+	█		█		█		█		█	
T/R+	█		█		█		█		█	
412	█		█		█		█		█	



## 3M™ Wire Connectors 312, 512 and 512G: Reliability that feels right

The quick-spin, wing-torque design of 3M™ 3Wire Connectors 312, 512 and 512G 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 bundles.

Wire Range Capabilities										
3M™ Connector	2#20 2#18	2#16 2#14	2#12 4#14	3#12 6#14	4#12	5#12 3#10	6#12 2#8*	6#10	6#10	
312	█		█		█		█		█	
512	█		█		█		█		█	

Connector 512G is for grounding connections

\*300 volt rating

## 3M™ Highland™ Wire Connectors: Color-Coded for General Use

3M™ 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 copper wire. H-29 and H-30 connectors are rated to 300V. H-31, H-33 and H-35 connectors are rated to 600V maximum in building wire; 1000V maximum in signs or lighting fixtures (luminaires).

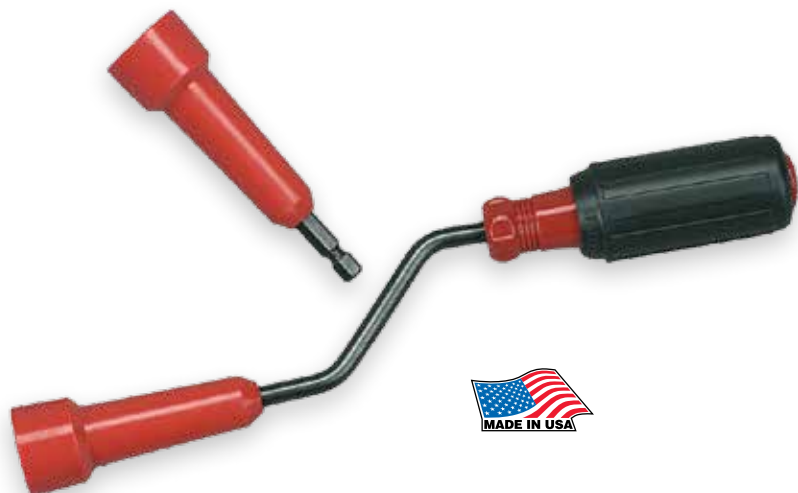


### 3M™ Highland™ Color-Coded Wire Connector Wire Ranges

Product No.	Wire Range
H-29 (Gray)	22-16 AWG (Three to Five #22 AWG; Two to Four #20 AWG; Two or Three #18 AWG; Two #16 AWG)
H-30 (Blue)	22-16 AWG (Five #22 AWG; Three to Five #20 AWG; Two to Four #18 AWG; Two or Three #16 AWG; One #14 AWG w/One #16 AWG)
H-31 (Orange)	22-14 AWG (Five #22 AWG; Three to Five #20 AWG; Two to Five #18 AWG; Two or Three #16 AWG; Two #14 AWG)
H-33 (Yellow)	22-12 AWG (Four or Five #22 AWG; Three to Five #20 AWG; Two to Seven #18 AWG; Two to Four #16 AWG; Two or Three #14 AWG; Two #12 AWG)
H-35 (Red)	18-10 AWG (Three to Nine #18 AWG; Two to Six #14 AWG; Two to Four #12 AWG; Two or Three #10 AWG)

## 3M™ Wire Connector Drivers WCD

These application tools for 3M™ Connectors O/B+, R/Y+, 312, 412 and 512 quickly spin on the connector and position the wire bundle in the box. The 3M™ Driver WCD-H is a hand driver and the WCD-P driver is a power driver that fits a standard chuck.



### **WARNING**

Turn power off before installing or removing terminal or connector. All work should be done according to appropriate electrical codes.

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