



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

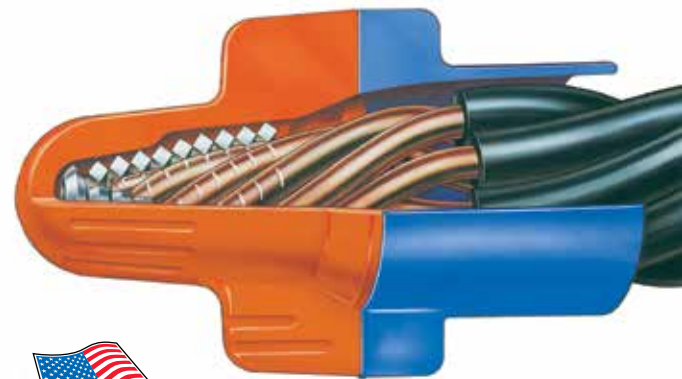
The flexible skirt covers over-strips yet conforms to whatever space is available in a box. Inside, the unique spring grips quickly and bites into conductors for solid, secure connections. These connectors are UL listed for 600 volts on copper wire.



Ordering Information

3M™ Performance Plus Wire Connectors

Prod	Box	Bulk Container
O/B+	100 connectors/box 10 boxes/case 1,000 connectors/case	500 connectors/jug 20 jugs/case 10,000 connectors/case
R/Y+	100 connectors/box 10 boxes/case 1,000 connectors/case	500 connectors/jug 8 jugs/case 4,000 connectors/case
B/G+	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	
O/B+	[Orange bar]							
R/Y+	[Red bar]							
B/G+			[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	4#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	4#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).

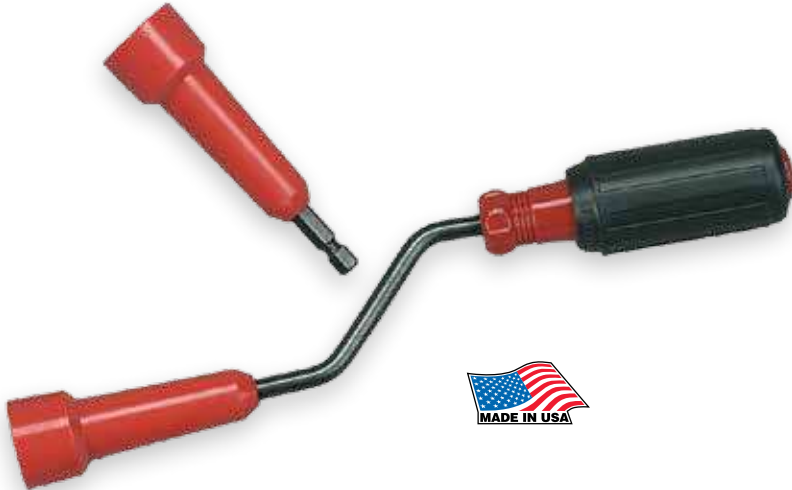


3M™ Highland™ Color-Coded Wire Connector Wire Ranges

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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