

T&B Electricians' Supplies

Wire Connectors and Termination Products



Introducing T&B Marrette® Wire Connectors

In 1914, William Marr invented the world's first pressure type wire connector. Since then, Marrette® connectors have become synonymous with "best quality wire connector". Easy to install and comfortable in the hand, they are indispensable to electricians. And now they're available as key components of Thomas & Betts' Electricians' Supplies product line. This is very good news for your fingers.

How good are they? Feature for Feature, we think they're better than ideal.

The first thing you'll notice about T&B Marrette wire connectors is that they come in a variety of types and styles, making it easy for you to identify wire size at a glance.

Feature for feature here's what makes Marrette connectors significantly better than other connectors.

- Marrette connectors are the ONLY wire connector to offer a non-winged, variable-volume live-action spring in the connector. The spring expands to receive the conductors, rather than crushing them together, as typical non-winged competitors do.
- They can handle a broader range of wire connection combinations.
- They're coated with 100% pure copper, which reduces the corrosion common to tin and zinc-coated products.
- Marrette connectors' "finger friendly" design offers a truer grip for less hand fatigue during repeated use.
- They are the ONLY red non-winged connector that is U.L. listed for a pair of #8 awg wires.
- The high-grade polypropylene outer shell prevents "blooming" or "blossoming" of the connector side-wall. The outer shell maintains a constant moisture level, reducing the likelihood of the connector becoming dry, brittle, and subsequently cracked due to extreme heat or cold.

Marrette® XTP® (Non-Winged)

Cat No.	Wire Range*	Color	Min.	Max.
329™	22-16	Gray	1#22 + 1#20	2#16
330™	22-14	Blue	3#20	3#16
331	18-14	Orange	2#18	3#14
333	18-10	Yellow	1#14 + 2#18	1#10 + 2#14
335	18-8	Red	2#16 + 2#18	3#10

Marrette® Type II® (Winged)

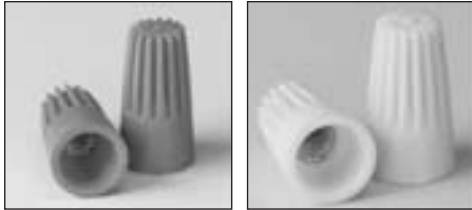
Cat No.	Wire Range*	Color	Min.	Max.
733	18-10	Yellow	2#18	3#12
735	18-8	Red	2#14	2#10 + 2#12
739™	14-6	Blue	3#12	1#6 + 2#8

*AWG Solid or Stranded

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Marrette® XTP® (Non-Winged)



Cat No.	Description		Std. Ctn.
329-P	XTP-Gray	100 pc/box	1,000
329-BP	XTP-Gray	1,000 pc/bulk box	1,000
329-BK	XTP-Gray	10,000 pc/bulk box	10,000
330-P	XTP-Blue	100 pc/box	1,000
330-BP	XTP-Blue	1,000 pc/bulk box	1,000
330-BK	XTP-Blue	10,000 pc/bulk box	10,000
331-P	XTP-Orange	100 pc/bulk box	1,000
331-M	XTP-Orange	1,000 pc/ masterpak ®	5,000
331-KP	XTP-Orange	500 pc/bag	10,000
333-P	XTP-Yellow	100 pc/box	1,000
333-M	XTP-Yellow	1,000 pc/ masterpak ®	3,000
333-KP	XTP-Yellow	500 pc/bag	5,000
335-P	XTP-Red	100 pc/box	1,000
335-M	XTP-Red	500 pc/ masterpak ®	2,000
335-KP	XTP-Red	250 pc/bag	5,000

Marrette® Type II® (Winged)



Cat No.	Description		Std. Ctn.
733-P	Type II - Yellow	100 pc/box	1,000
733-M	Type II - Yellow	1,000 pc/ masterpak ®	3,000
733-KP	Type II - Yellow	500 pc/bag	5,000
735-P	Type II - Red	100 pc/box	1,000
735-M	Type II - Red	500 pc/ masterpak ®	1,500
735-KP	Type II - Red	500 pc/bag	5,000
739-P	Type II - Blue	50 pc/box	500
739-M	Type II - Blue	250 pc/ masterpak ®	1,000
739-KP	Type II - Blue	100 pc/bag	2,500

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Marrette® Maxx™ Wire Connectors

The T&B Marrette Maxx is the “one wire connector” designed to accommodate over 95% of your wire connection needs in a single wire connector. The swept back ergonomic wing design gives improved leverage for easier installation. No special tools needed and no pre-twisting of wires required. Whether you’re installing minimum or maximum wire combinations, the T&B Marrette Maxx takes them on. “Don’t be short ranged... take your wire connector needs to the Maxx!”



- Widest range single wire connector
- U.L. Listed for combinations from #6 to 22 AWG
- Copper coated live action spring
- Finger friendly design makes connector easier to grip and turn
- 600 volt rating gives you added confidence of installation on all wire connections
- Swept back wing has excellent ergonomic design

Marrette® Maxx™ 622

Cat No.	Description	Wire Range*	Min.	Max.	Std. Ctn.
Carton Packed					
622-P	Marrette Maxx	#6-22	4#22	1#6 w/1#10	1000
Carton Packed					
622-KP	Marrette Maxx Keg Pack	#6-22	4#22	1#6 w/1#10	5000



- Accommodates 14 to 10 AWG ground wires
- Fulfills the need to ground wires with a U.L. listed connector
- Accepts multiple ground conductors
- Swept back wing design affords installer good leverage to make ground connections
- Swept back wing creates less box fill

Marrette® Green™ 1410

Cat No.	Description	Wire Range*	Min.	Max.	Std. Ctn.
Carton Packed					
1410-P	Marrette Green	#14-10	1#14	3#10	1000
Carton Packed					
1410-KP	Marrette Green Keg Pack	#14-10	1#14	3#10	2500

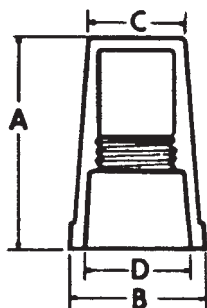
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The nylon insulating shells resist heat, cold and impact with a temperature rating of 105°C (221°F) max. Rated: 600 volt.

- Threaded brass inserts for vibration resistant connections
- Easily removed
- Color-coded nylon insulating shells
- U.L. Listed and CSA Certified



T&B Set Screw Wire Connectors

Threaded brass inserts provide vibration resistant connections that are easily removed for disconnection, visual inspection or rewiring. Thomas & Betts set screw wire connectors feature flexible, color-coded nylon insulating shells, which are compact for tight applications.



Set Screw Wire Connectors

Cat. No.	Description	Wire* Range	Min.	Max.	Dimensions				Std. Ctn.
					A	B	C	D	
Carton Packed									
10-305	(SS-0) Orange	18-12	2 #18	1 #12 w/3 #18	1 ⁵ / ₁₆ "	7 ¹ / ₁₆ "	2 ³ / ₆₄ "	3 ⁸ / ₁₆ "	1000
10-306	(SS-1) Yellow	18-12	2 #18	2 #12 w/1 #16	1 ¹ / ₁₆ "	1 ¹ / ₂ "	2 ⁷ / ₆₄ "	7 ¹ / ₁₆ "	1000
10-307	(SS-2) Red	18-10	6 #18	2 #10 w/1 #12	1 ³ / ₃₂ "	3 ⁹ / ₆₄ "	3 ³ / ₆₄ "	3 ⁵ / ₆₄ "	1000
Bulk Packed									
10-315	(SS-0) Orange	18-12	2 #18	1 #12 w/3 #18	1 ⁵ / ₁₆ "	7 ¹ / ₁₆ "	2 ³ / ₆₄ "	3 ⁸ / ₁₆ "	1000
10-316	(SS-1) Yellow	18-12	2 #18	2 #12 w/1 #16	1 ¹ / ₁₆ "	1 ¹ / ₂ "	2 ⁷ / ₆₄ "	7 ¹ / ₁₆ "	1000
10-317	(SS-2) Red	18-10	6 #18	2 #10 w/1 #12	1 ³ / ₃₂ "	3 ⁹ / ₆₄ "	3 ³ / ₆₄ "	3 ⁵ / ₆₄ "	1000

* Solid only

U.L. File E-17010

CSA File LR-6541

Marrette® Set Screw Vibration Proof/Visible Connection

The Marrette® Set Screw is a two-piece, pressure type connector, featuring a solid brass insert with a screw-on insulating cap. It's the perfect choice when changing a motor, adding a circuit, conducting instrument testing or simply lashing-up temporary wiring.

External Cap

- Made of rugged, phenolic material and 150°C-rated.
- Insulator cap locks securely in place to safeguard against accidental loosening in high vibration applications.

Brass Insert

- Choice of slot or Robertson Set Screw. When tightening into the insert, provides a solid pressure type connection on all approved wire combinations.
- No need to "re-strip" wires when re-wiring. Simply loosen set screw to remove non-twisted wires.
- Special copper-coated spring helps resist corrosion.
- CSA (LR6591), UL (424H) – approved for circuits up to 600V, and lighting fixtures and signs up to 1,000V.
- Convenient packaging – sized right and job-site ready!

Marrette Set Screws

Cat No.	Description	Wire Range*	Min.	Max.	Std. Ctn.	Std. Pkg.
1P	Marr Set Screw Small Slot-head	#18-12			100	1000
1SHP	Marr Set Screw Small Robertson	#18-12			100	1000
2P	Marr Set Screw Large Slot-head	#18-10			100	1000
2SHP	Marr Set Screw Large Robertson	#18-10			100	1000
1C-CDN	Marr Set Screw Small Slot-head	#18-12			3/Card	10 Cards
2C-CDN	Marr Set Screw Large Slot-head	#18-10			3/Card	10 Cards

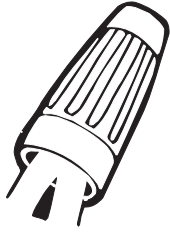
Thomas & Betts

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Porcelain Wire Connectors – High Temperature



- For high temperature applications over 105°C
- Three sizes accommodate #18-14 AWG stranded copper
- 300 Volt rated
- U.L. Listed and CSA Certified
- U.L. Standard 486C

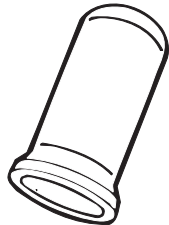
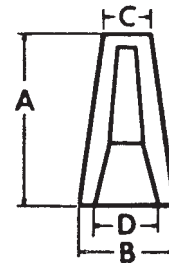
Cat. No.	Description	Wire* Range	Min.	Max.	Dimensions				Std. Ctn.
					A	B	C	D	
Carton Packed									
10-411	(Hi-1)	18-14	2 #18	1 #18 w/2 #16	1 ¹ / ₁₆ "	1 ³ / ₃₂ "	3 ¹ / ₁₆ "	1 ¹ / ₄ "	1000
10-415	(Hi-5)	18-14	2 #18	2 #16 w/2 #18	3 ¹ / ₄ "	3 ¹ / ₆₄ "	1 ³ / ₆₄ "	5 ¹ / ₁₆ "	1000
10-417	(Hi-7)	18-14	2 #18	4 #16	2 ⁷ / ₃₂ "	1 ⁷ / ₃₂ "	7 ¹ / ₃₂ "	1 ³ / ₃₂ "	1000
Bulk Packed									
10-421	(Hi-1)	18-14	2 #18	1 #18 w/2 #16	1 ¹ / ₁₆ "	1 ³ / ₃₂ "	3 ¹ / ₁₆ "	1 ¹ / ₄ "	10000
10-425	(Hi-5)	18-14	2 #18	2 #16 w/2 #18	3 ¹ / ₄ "	3 ¹ / ₆₄ "	1 ³ / ₆₄ "	5 ¹ / ₁₆ "	5000
10-427	(Hi-7)	18-14	2 #18	4 #16	2 ⁷ / ₃₂ "	1 ⁷ / ₃₂ "	7 ¹ / ₃₂ "	1 ³ / ₃₂ "	5000
10-418	(Hi-8)	16-10	10 #16	3 #10	1 ⁷ / ₃₂ "	2 ³ / ₃₂ "	1 ¹ / ₂ "	1 ⁵ / ₃₂ "	100

* Stranded only

U.L. File E-17010

CSA File LR-6541

See technical catalog for complete UL & CSA wire combinations.



- Zinc plated, chromate treated steel
- Two sizes accommodate #18-8 AWG copper
- U.L. Listed and CSA Certified

Crimp Sleeve Wire Connectors



Cat. No.	Description	Wire* Range	Min.	Max.	Dimensions				Std. Ctn.
					A	B	C	D	
10-500	(Hi-410)	18-10*	1 #14 w/1 #18	2 #10 w/1 #12	3/8"	1 9/64"	1/4"	1 3/64"	1000
10-501	(Hi-411)	18-8	3 #12	4 #10	3 9/64"	2 3/64"	5/16"	1 7/64"	500

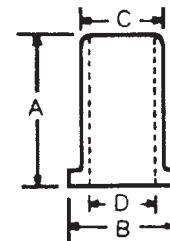
* Stranded only

Installation tool 18-500

U.L. File E-17010

CSA File LR-6541

See technical catalog for complete UL & CSA wire combinations.



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Marrette® Black™ High Temperature Wire Connectors

The Marrette® Black™ connector's high temperature rating makes it the best solution for high wattage lighting fixtures and signs.

External Cap

- Made of rugged, phenolic material and 150°C-rated.
- Large, finely ribbed, "barrel-shaped" cap – makes it easier to grip even when hands are greasy or damp.
- Deep, wide throat ensures full insulation coverage.
- Threaded entry helps guide large wire bundles right into the spring.

Inner spring

- Internal round spring design multiplies the "twist-on" torque applied by the leverage and wedge action, to firmly crush wires into a solid joint.
- Model #37 Black™ – uses a square wire expansion spring for additional gripping power on large conductor combinations.
- Unique copper-coated spring helps resist corrosion.
- CSA (LR6591), UL (424H) – Model nos. 29 & 30 Black™ are approved for circuit and fixture type connections up to 300V only.
 - Model nos. 31, 33, 35 & 37 Black™ are approved for circuits up to 600V, and lighting fixtures and signs up to 1,000V.
- Convenient packaging - sized right and job-site ready!

Marrette Black High Temperature Wire Connectors

Cat No.	Description	Wire Range*	Model	Std. Ctn.
29P	Black	#22-16	29	1000
29BP	Black	#22-16	29	1000
29BK	Black	#22-16	29	10000
30P	Black	#22-14	30	1000
30BP	Black	#22-14	30	1000
30BK	Black	#22-14	30	10000
31P	Black	#18-14	31	1000
31KP	Black	#18-14	31	5000
31BP	Black	#18-14	31	1000
31BK	Black	#18-14	31	10000
33P	Black	#18-12	33	1000
33KP	Black	#18-12	33	5000
33BP	Black	#18-12	33	10000
33BK	Black	#18-12	33	10000
35P	Black	#18-10	35	1000
35KP	Black	#18-10	35	2500
35BP	Black	#18-10	35	1000
35BK	Black	#18-10	35	5000
37P	Black	#16-8	37	500
37BP	Black	#16-8	37	500