



TE Connectivity Wire Connectors

Pre-insulated wire connectors have been designed specifically to answer the need for inexpensive, insulated electrical terminations. They can be used in almost every type of residential and commercial application where multiple wires need to be brought together for a reliable termination. TE Connectivity (TE) wire connectors are designed to meet industry standard color-coding specifications and terminate the corresponding range of wire sizes. The screw-on wire connectors contain a live-action square spring which draws wires deep into spring for a safe, positive “grip” of the wires.





WIREGRIP CONNECTORS

- Color-coded to industry standards for size selection from 22 - 10 AWG
- Square-wire spring threads provide a positive “Grip” to ensure quick and tight secure connections
- Rated at 600 volt max. for building wiring and 1000 volt max. in lighting fixtures/luminaries and signs (blue and gray WireGrips rated to 300 volt)
- Tough thermoplastic, UL 94V-2 flame-retardant shell at 105°C (221°F)
- UL 486C Listed and CSA 22.2 NO. 188 Certified
- Copper to Copper connections only
- Operating temperature - 105°C (221°F)

Color	Voltage	General Wire Combination Range	Min	Max	Part Number	Quantity
Gray	300V	22 - 14 AWG	2 #22	1 #16 w/1 #18 w/1 #20	CPGI-WC-WG-GR-CL-25	25/Clam
Gray	300V	22 - 14 AWG	2 #22	1 #16 w/1 #18 w/1 #20	CPGI-WC-WG-GR-BG-250	250/BAG
Gray	300V	22 - 14 AWG	2 #22	1 #16 w/1 #18 w/1 #20	CPGI-WC-WG-GR-BG-1000	1000/BAG
Gray	300V	22 - 14 AWG	2 #22	1 #16 w/1 #18 w/1 #20	CPGI-WC-WG-GR-BULK	20,000/Cartron
Blue	300V	22 - 14 AWG	2 #22	3 #16	CPGI-WC-WG-BL-CL-20	20/CLAM
Blue	300V	22 - 14 AWG	2 #22	3 #16	CPGI-WC-WG-BL-BG-150	150/BAG
Blue	300V	22 - 14 AWG	2 #22	3 #16	CPGI-WC-WG-BL-BG-1000	1000/BAG
Blue	300V	22 - 14 AWG	2 #22	3 #16	CPGI-WC-WG-BL-BULK	10,000/Cartron
Orange	600V	22 - 14 AWG	1 #18 w/1 #20	4#16 w/1 #20	CPGI-WC-WG-OR-CL-15	20/CLAM
Orange	600V	22 - 14 AWG	1 #18 w/1 #20	4#16 w/1 #20	CPGI-WC-WG-OR-BG-125	100/BAG
Orange	600V	22 - 14 AWG	1 #18 w/1 #20	4#16 w/1 #20	CPGI-WC-WG-OR-BG-300	300/BAG
Orange	600V	22 - 14 AWG	1 #18 w/1 #20	4#16 w/1 #20	CPGI-WC-WG-OR-BG-500	500/Bag
Orange	600V	22 - 14 AWG	1 #18 w/1 #20	4#16 w/1 #20	CPGI-WC-WG-OR-BULK	5000/Cartron
Yellow	600V	22 - 10 AWG	3 #20 Sol	2 #12 w/2 #14	CPGI-WC-WG-YW-CL-15	15/CLAM
Yellow	600V	22 - 10 AWG	3 #20 Sol	2 #12 w/2 #14	CPGI-WC-WG-YW-BG-100	100/BAG
Yellow	600V	22 - 10 AWG	3 #20 Sol	2 #12 w/2 #14	CPGI-WC-WG-YW-BG-175	175/BAG
Yellow	600V	22 - 10 AWG	3 #20 Sol	2 #12 w/2 #14	CPGI-WC-WG-YW-BG-500	500/Bag
Yellow	600V	22 - 10 AWG	3 #20 Sol	2 #12 w/2 #14	CPGI-WC-WG-YW-BULK	5000/Cartron
Red	600V	22 - 10 AWG	3 #18	2 #10 Sol w/2 #12 Str.	CPGI-WC-WG-RD-CL-12	12/CLAM
Red	600V	22 - 10 AWG	3 #18	2 #10 Sol w/2 #12 Str.	CPGI-WC-WG-RD-BG-100	100/BAG
Red	600V	22 - 10 AWG	3 #18	2 #10 Sol w/2 #12 Str.	CPGI-WC-WG-RD-BG-500	500/Bag
Red	600V	22 - 10 AWG	3 #18	2 #10 Sol w/2 #12 Str.	CPGI-WC-WG-RD-BULK	5000/Cartron
Assort.	Assort.	Assort.	Assort.	Assort.	CPGI-WC-WG-ASRT-CL-20	20/CLAM
Assort.	Assort.	Assort.	Assort.	Assort.	CPGI-WC-WG-ASRT-CL-46	46/CLAM

WIREGRIP HIGH TEMPERATURE CONNECTORS

- Color-coded to industry standards for size selection from 22 - 14 AWG
- Square-wire spring threads provide a positive "Grip" to ensure quick and tight secure connections
- Rated at 300 or 600 volt max. for building wiring
- Tough thermoplastic, UL 94V-2 flame-retardant shell at 150°C (302°F)
- UL 486C Listed and CSA 22.2 NO. 188 Certified
- Copper to Copper connections only
- Operating temperature - 150°C (302°F)



Color	Voltage	General Wire Combination Range	Min	Max	Part Number	Quantity
Black	300V	22 - 14 AWG	1 #18 Str w/1 #22 Str	2#18 Str	CPGI-WC-HT-300-BG-1000	1000/BAG
Black	300V	22 - 14 AWG	1 #18 Str w/1 #22 Str	2#18 Str	CPGI-WC-HT-300-BULK	20,000/Carton
Black	600V	22 - 14 AWG	1 #16 w/1#22	1 #14 w/1 #16 w/1 #18	CPGI-WC-HT-600-BG-1000	1000/BAG
Black	600V	22 - 14 AWG	1 #16 w/1#22	1 #14 w/1 #16 w/1 #18	CPGI-WC-HT-600-BULK	20,000/Carton

WINGGRIP CONNECTORS



- Color-coded to industry standards for size selection from 18 - 6 AWG
- Square-wire spring threads provide a positive "Grip" to ensure quick and tight secure connections
- Specially designed wings provide the installer a secure and solid twist-on connection
- Rated at 600 volt max. for building wiring and 1000 volt max. in lighting fixtures/luminaries and signs
- Tough thermoplastic, UL 94V-2 flame-retardant shell at 105°C (221°F)
- UL 486C Listed and CSA 22.2 NO. 188 Certified
- Copper to Copper connections only
- Operating temperature - 105°C (221°F)

Color	General Wire Combination Range	Min	Max	Part Number	Quantity
Yellow	18 - 10 AWG	2 #18	3 #12 Sol	CPGI-WC-WNG-YW-CL-10	20/CLAM
Yellow	18 - 10 AWG	2 #18	3 #12 Sol	CPGI-WC-WNG-YW-BG-100	100/BAG
Yellow	18 - 10 AWG	2 #18	3 #12 Sol	CPGI-WC-WNG-YW-BG-225	225/BAG
Yellow	18 - 10 AWG	2 #18	3 #12 Sol	CPGI-WC-WNG-YW-BG-500	500/Bag
Yellow	18 - 10 AWG	2 #18	3 #12 Sol	CPGI-WC-WNG-YW-BULK	5000/Carton
Red	18 - 8 AWG	3 #16w/1 #18	5 #12 Sol	CPGI-WC-WNG-RD-CL-8	10/CLAM
Red	18 - 8 AWG	3 #16w/1 #18	5 #12 Sol	CPGI-WC-WNG-RD-BG-100	100/BAG
Red	18 - 8 AWG	3 #16w/1 #18	5 #12 Sol	CPGI-WC-WNG-RD-JR-300	300/JAR
Red	18 - 8 AWG	3 #16w/1 #18	5 #12 Sol	CPGI-WC-WNG-RD-BG-500	500/Bag
Red	18 - 8 AWG	3 #16w/1 #18	5 #12 Sol	CPGI-WC-WNG-RD-BULK	5000/Carton
Red/ Yellow	See Red or Yellow Wing Specs			CPGI-WC-WNG-YW/RD-BG-150	150/BAG
Blue	14 - 6 AWG	2 #10 w/1 #12	3 #8 w/1 #12	CPGI-WC-WNG-BL-CL-3	3/CLAM
Blue	14 - 6 AWG	2 #10 w/1 #12	3 #8 w/1 #12	CPGI-WC-WNG-BL-BG-50	50/BAG
Blue	14 - 6 AWG	2 #10 w/1 #12	3 #8 w/1 #12	CPGI-WC-WNG-BL-BG-100	100/Bag
Blue	14 - 6 AWG	2 #10 w/1 #12	3 #8 w/1 #12	CPGI-WC-WNG-BL-BULK	1500/Carton

TWISTGRIP CONNECTORS

- Two models provide versatile wire combinations from 22 AWG - 8 AWG
- Square-wire spring threads provide a positive “Grip” to ensure quick and tight secure connections
- Specially designed wings provide the installer a secure and solid twist-on connection
- Rated at 600 volt max. for building wiring and 1000 volt max. in lighting fixtures/luminaries and signs
- Tough thermoplastic, UL 94V-2 flame-retardant shell at 105°C (221°F)
- UL 486C Listed and CSA 22.2 NO. 188 Certified
- Copper to Copper connections only
- Operating temperature - 105°C (221°F)



Color	General Wire Combination Range	Min	Max	Part Number	Quantity
Tan	22 - 8 AWG	3 #22 Sol	4 #12	CPGI-WC-TG-TN-CL-8	8/CLAM
Tan	22 - 8 AWG	3 #22 Sol	4 #12	CPGI-WC-TG-TN-BG-150	150/BAG
Tan	22 - 8 AWG	3 #22 Sol	4 #12	CPGI-WC-TG-TN-JR-400	400/JAR
Tan	22 - 8 AWG	3 #22 Sol	4 #12	CPGI-WC-TG-TN-BG-500	500/Bag
Tan	22 - 8 AWG	3 #22 Sol	4 #12	CPGI-WC-TG-TN-BULK	5000/Carton
Gray	18 - 8 AWG	3 #14 w/1 #18	3 #10	CPGI-WC-TG-GR-CL-10	10/CLAM
Gray	18 - 8 AWG	3 #14 w/1 #18	3 #10	CPGI-WC-TG-GR-BG-250	250/Bag
Gray	18 - 8 AWG	3 #14 w/1 #18	3 #10	CPGI-WC-TG-GR-BULK	2500/Carton

GROUNDGRIP CONNECTORS



- Color coded GREEN for quick identification as a grounding conductor from 14 - 10 AWG
- Square-wire spring threads provide a positive “Grip” to ensure quick and tight secure connections
- Specifically designed for making positive ground connections and bonding nonmetallic sheathed cable
- Specially designed wings provide the installer a secure and solid twist-on connection
- Rated at 600 volt max. for building wiring and 1000 volt max. in lighting fixtures/luminaries and signs
- Tough thermoplastic, UL 94V-2 flame-retardant shell at 105°C (221°F)
- UL 467 Listed and CSA 22.2 NO. 188 Certified
- Copper to Copper connections only
- Operating temperature - 105°C (221°F)

Color	General Wire Combination Range	Min	Max	Part Number	Quantity
Green	14 - 10 AWG	2 #14	5 #12	CPGI-WC-GG-GN-CL-10	10/CLAM
Green	14 - 10 AWG	2 #14	5 #12	CPGI-WC-GG-GN-BG-125	125/BAG
Green	14 - 10 AWG	2 #14	5 #12	CPGI-WC-GG-GN-BG-500	500/BAG
Green	14 - 10 AWG	2 #14	5 #12	CPGI-WC-GG-GN-BULK	5000/Carton

CAPGRIP CONNECTORS



- Color-coded to industry standards for size selection from 22 - 6 AWG
- Square-wire spring threads provide a positive "Grip" to ensure quick and tight secure connections
- Specially designed full-height wings provide the installer a superior twisting surface to ensure secure and solid twist-on connection.
- Rated at 600 volt max. for building wiring and 1000 volt max. in lighting fixtures/luminaries and signs
- Tough thermoplastic, UL 94V-2 flame-retardant shell at 105°C (221°F)
- UL 486C Listed and CSA 22.2 NO. 188 Certified.
- Copper to Copper connections only
- Operating temperature - 105°C (221°F)

Color	General Wire Combination Range	Min	Max	Part Number	Quantity
Yellow	22 - 10 AWG	4 #22	3 #12	CPGI-WC-CG-YW-CL-20	20/CLAM
Yellow	22 - 10 AWG	4 #22	3 #12	CPGI-WC-CG-YW-BG-100	100/BAG
Yellow	22 - 10 AWG	4 #22	3 #12	CPGI-WC-CG-YW-BG-500	500/Bag
Yellow	22 - 10 AWG	4 #22	3 #12	CPGI-WC-CG-YW-BULK	5000/Carton
Red	22 - 6 AWG	3 #20	1 #8 w/3 #12 Str.	CPGI-WC-CG-RD-CL-15	15/CLAM
Red	22 - 6 AWG	3 #20	1 #8 w/3 #12 Str.	CPGI-WC-CG-RD-BG-100	100/BAG
Red	22 - 6 AWG	3 #20	1 #8 w/3 #12 Str.	CPGI-WC-CG-RD-BG-500	500/Bag
Red	22 - 6 AWG	3 #20	1 #8 w/3 #12 Str.	CPGI-WC-CG-RD-BULK	5000/Carton

CLOSED END WIRE CONNECTORS

- Designed for multiple wire application
- Vibration resistant
- Solid or stranded wire
- Copper to copper connections only
- Operating temperature - 105°C (221°F)

Color	Voltage	General Wire Combination Range	Min	Max	Part Number	Quantity
Clear	300V	22 - 10 AWG	4 #22	1 #10 w/1 #16	CPGI-8-53915-1-10	10/CLAM
Clear	300V	22 - 10 AWG	4 #22	1 #10 w/1 #16	CPGI-8-53915-1-BULK	1000/Carton
Purple	600V	22 - 10 AWG	5 #22	1 #10 w/1 #16	CPGI-8-321519-CL-15	15/CLAM
Purple	600V	22 - 10 AWG	5 #22	1 #10 w/1 #16	CPGI-8-321519-BULK	1000/Carton
Green	600V	18 - 8 AWG	7 #18	1 #8 w/1 #14	CPGI-8-320788-CL-8	8/CLAM
Green	600V	18 - 8 AWG	7 #18	1 #8 w/1 #14	CPGI-8-320788-BULK	250/Carton
Blue	600V	18 - 6 AWG	13 #18	1 #6 w/1# 10	CPGI-8-53891-CL6	6/CLAM
Blue	600V	18 - 6 AWG	13 #18	1 #6 w/1# 10	CPGI-8-53891-BULK	250/Carton



PUSHGRIP WIRE CONNECTORS

2-PORT



- Color-coded for easy identification
- Accept solid and stranded conductors from 22 AWG - 12 AWG
- Compact size design perfect for tight spaces
- Test slot in front permits easy testing with voltage tester
- Rated at 600 volt max. for building wiring and 1000 volt max. in lighting fixtures/luminaries and signs
- Polycarbonate(PC), flame-retardant to UL 94-V2 or UL 94-V0 working temperature:T110D (IEC),105D/221D (UL) UL 486C Listed and CSA 22.2 NO. 188 Certified
- Copper to Copper connections only
- Operating temperature - 105°C (221°F)

3-PORT



4-PORT



5-PORT



6-PORT



Color	General Wire Combination Range	Part Number	Quantity
Yellow	22 - 12 AWG	CPGI-WC-PG-2-PORT-CL-10	10/CLAM
Yellow	22 - 12 AWG	CPGI-WC-PG-2-PORT-BG-100	100/BAG
Yellow	22 - 12 AWG	CPGI-WC-PG-2-PORT-BG-500	500/Bag
Yellow	22 - 12 AWG	CPGI-WC-PG-2-PORT-BULK	5000/Carton
Orange	22 - 12 AWG	CPGI-WC-PG-3-Port-CL-10	10/CLAM
Orange	22 - 12 AWG	CPGI-WC-PG-3-PORT-BG-100	100/BAG
Orange	22 - 12 AWG	CPGI-WC-PG-3-PORT-BG-400	400/Bag
Orange	22 - 12 AWG	CPGI-WC-PG-3-PORT-BULK	4000/Carton
Gray	22 - 12 AWG	CPGI-WC-PG-4-Port-CL-10	10/CLAM
Gray	22 - 12 AWG	CPGI-WC-PG-4-PORT-BG-100	100/BAG
Gray	22 - 12 AWG	CPGI-WC-PG-4-PORT-BG-300	300/Bag
Gray	22 - 12 AWG	CPGI-WC-PG-4-PORT-BULK	3000/Carton
Blue	22 - 12 AWG	CPGI-WC-PG-5-Port-CL-10	10/CLAM
Blue	22 - 12 AWG	CPGI-WC-PG-5-PORT-BG-100	100/BAG
Blue	22 - 12 AWG	CPGI-WC-PG-5-PORT-BG-300	300/Bag
Blue	22 - 12 AWG	CPGI-WC-PG-5-PORT-BULK	3000/Carton
Purple	22 - 12 AWG	CPGI-WC-PG-6-Port-CL-5	5/CLAM
Purple	22 - 12 AWG	CPGI-WC-PG-6-PORT-BG-50	50/BAG
Purple	22 - 12 AWG	CPGI-WC-PG-6-PORT-BG-250	250/Bag
Purple	22 - 12 AWG	CPGI-WC-PG-6-PORT-BULK	2500/Carton

SNAP-N-LOK WIRE CONNECTORS

- Three connector sizes provide cost-effective simple installations ranging from #20 - #10 AWG solid or stranded wire combinations
- Quick and simple single-piece connector solution for underground electrical systems
- Pre-filled with a water-resistant sealant which provides moisture and corrosion protection
- No special tools or installation
- Tough thermoplastic, UL 94V-2 flame-retardant shell at 105°C (221°F)
- UL 486C Listed and CSA 22.2 NO. 188 Certified
- Rated at 300 volt max
- Operating temperature - 105°C (221°F)

SNAP-N-LOCK OPENED



SNAP-N-LOCK CLOSED



Color	Voltage	General Wire Combination Range	Part Number	Quantity
Blue	600V	20 - 16 AWG	CPGI-SNL-1-20-16-B-CL-3	3/CLAM
Blue	600V	20 - 16 AWG	CPGI-SNL-1-20-16-B-BG-30	30/BAG
Blue	600V	20 - 16 AWG	CPGI-SNL-1-20-16-B-BULK	200/Carton
Yellow	600V	18 - 12 AWG	CPGI-SNL-1-18-12-Y-CL-2	2/CLAM
Yellow	600V	18 - 12 AWG	CPGI-SNL-1-18-12-Y-BG-15	15/BAG
Yellow	600V	18 - 12 AWG	CPGI-SNL-1-18-12-Y-BULK	200/Carton
Copper	600V	18 - 10 AWG	CPGI-SNL-1-18-10-CP-CL-2	2/CLAM
Copper	600V	18 - 10 AWG	CPGI-SNL-1-18-10-CP-BG12	12/BAG
Copper	600V	18 - 10 AWG	CPGI-SNL-1-18-10-CP-BULK	250/Carton

HEAT SHRINK WIRE COVERS



- Designed for sealing small stub splices
- No metal parts
- 3 : 1 shrink ratio
- Assortment kit including: 2 each of 3/16", 3/8", 1/4" and 1/2"
- Operating temperature - 125°C (257°F)

Color	Voltage	General Wire Combination Range	Part Number	Quantity
Black	600V	3 to 1 Shrink Ratio	CPGI-PD-CAP-ASRT-CL-10	10/CLAM

FOR MORE INFORMATION

energy.te.com

TE Technical Support Center

USA: +1 (800) 327-6996
Canada: +1 (905) 475-6222
Mexico: +52 (0) 55-1106-0800
Latin/S. America: +54 (0) 11-4733-2200
UK: +44 (0) 800-267666
France: +33 (0) 1-3420-8686
Netherlands: +31 (0) 73-6246-999
China: +86 (0) 400-820-6015

energy.te.com

© 2012 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved.
1-1773464-1 E424 07/2012

TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

