

Labour Saving Wire Identification

CTI's wire identification systems bring the timesaving advantages of the computer and the ruggedness of CTI's tubing to the labour intensive world of electrical harness building.

Lists of wire labels can be easily created and edited on a computer, then printed out using standard printing equipment. The labels meet commercial aerospace standards for mark permanence. Their ladder-style configuration allows the marker sleeves to be printed on both sides.

Products include heat shrinkable marker sleeves in thin-wall and high-temperature versions, tie-on cable markers and adhesive-backed wraparound markers for large cables or open wire bundles, and adhesive-backed panel markers.

Terminations that Install Easily and Reliably

CTI's large family of wire and cable interconnection devices provides high-performance terminations that can be installed easily and reliably. In addition to electrical connections, these products offer protection against corrosion, mechanical abuse, and the effects of electromagnetic interference in sensitive equipment and unpressurized exposed areas.

The smallest, lightest, sealed crimp splices available, MiniSeal crimp splices preserve the quality of electrical connections.

CTI's high-temperature shielded cable splices provide tough, low profile, fully shielded terminations that can withstand the very high operating temperatures normally found in engine and engine strut areas. When used in place of connectors, the splices maintain shielding while saving weight and space. The splices install quickly and efficiently, and can be inspected immediately. Splice components are available in convenient kits.

SolderSplice shield terminators can be installed quickly, yet pass the most stringent quality assurance tests. When a device's thermal ring melts and disappears, it gives positive indication of a completely soldered joint. And the heat shrinkable tubing and meltable inserts provide one-step strain-relief and encapsulation.

When repairing or connecting shielded cable, SolderSplice splices provide shielding equal to or better than the original cable. Repeatable terminations ensure reliability and high performance.



Terminations

Individual screens of primary wires that are to be terminated to a connector pin can be terminated with a SolderSplice termination device. The most commonly used SolderSplice devices are detailed both with and without a primary wire lead.

The overall cable screen can be terminated by one of three termination methods: braided backshells, Tinel-lock or EMI bands.

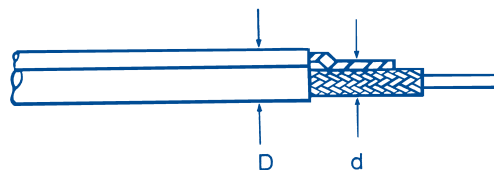
CTI SolderSplice devices are used to terminate screened wires within FRCL or hand built cable. The device consists of a heat shrinkable thermoplastic sleeve containing a precisely engineered preform of fluxed solder and thermoplastic inserts in each end. When placed over a cable shield and heated, the solder melts and flows, connecting the ground lead to the cable shield. As the outer sleeve shrinks the thermoplastic inserts melt and provide an environmentally sealed termination. SolderSplice devices are available with ground leads pre-installed to make installation even easier.

Listed below are the most commonly used SolderSplice devices for use with wire rated up to 150°C.

For other applications consult CTI at www.solutions@cleevetech.com

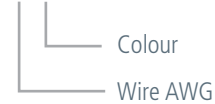
SolderSplice devices

Cable Dimensions:		
D max	d min	Part #
1.9	1.1	FRSS144-25
2.7	1.6	FRSS100-00
4.5	2.4	FRSS101-00
6.0	3.0	FRSS107-00
6.8	3.7	FRSS103-00
11.0	6.0	FRSS104-00
13.3	8.9	FRSS105-00



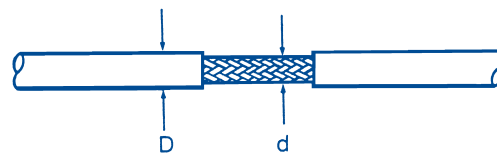
Can be supplied with 6 inch length of M044 wire with addition of suffix.

Example: FRSS-100-20-5



SolderSplice devices with ground lead

Cable Dimensions:		Ground Lead Gauge (AWG)	
D max	d min	Part #	
2.7	1.6	FRSS100-34	FRSS900-01
4.3	2.4	FRSS101-34	FRSS900-02
6.8	3.7	FRSS103-34	FRSS900-03



Nylon Cable Ties Material Specifications

Material	Standard Colors	Continuous Max	Operating Temp. Min	UL Flame Rating	UV Resistance	Agency Approvals
Nylon 6/6 - General Purpose	Natural	185°F	-40°F	94V-2	Poor	MIL-M-20693A ASTM-D 4066PA111
	White	85°C	-40°C			
Nylon 6/6 - UV Stabilized	Black	185°F	-40°F	94V-2	Very good	UL E64139(N)
		85°C	-40°C			

cable ties & cable management systems

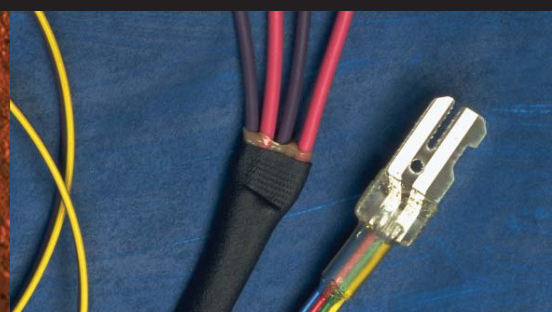
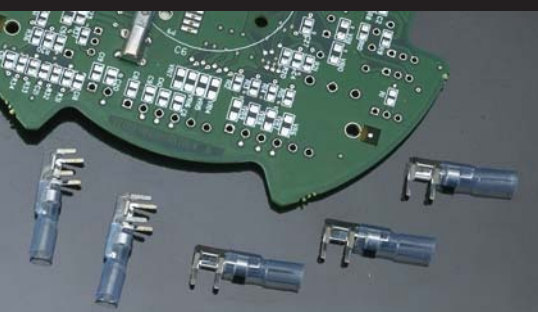
Section 7

Standard

Approximate Length (in)	Approximate Width (in)	Max Bundle Diameter (in)	Tensile Strength (lbs)	Color	Pcs/pack - Part #			
					25	100	500	1000
4.00	0.10	5/8	18	Natural	CTI17501	CTI17001		CTI17901
4.00	0.10	5/8	18	Black	CTI17502	CTI17002		CTI17902
8.00	0.10	2.00	18	Natural		CTI17015		CTI17915
8.00	0.10	2.00	18	Black		CTI17016		CTI17916
6.00	0.13	1.25	30	Natural	CTI17503	CTI17003		CTI17903
6.00	0.13	1.25	30	Black	CTI17504	CTI17004		CTI17904
7.50	0.18	1.75	50	Natural	CTI17505	CTI17005		CTI17905
7.50	0.18	1.75	50	Black	CTI17506	CTI17006		CTI17906
7.50	0.18	1.75	50	Red		CTI17025		CTI17925
7.50	0.18	1.75	50	Orange		CTI17085		CTI17985
7.50	0.18	1.75	50	Yellow		CTI17045		CTI17945
7.50	0.18	1.75	50	Green		CTI17055		CTI17955
7.50	0.18	1.75	50	Blue		CTI17065		CTI17965
7.50	0.18	1.75	50	Purple		CTI17075		CTI17975
11.00	0.18	3.00	50	Natural	CTI17507	CTI17007	CTI17807	
11.00	0.18	3.00	50	Black	CTI17508	CTI17008	CTI17808	
11.00	0.18	3.00	50	Red		CTI17027	CTI17827	
11.00	0.18	3.00	50	Orange		CTI17087	CTI17887	
11.00	0.18	3.00	50	Yellow		CTI17147	CTI17447	
11.00	0.18	3.00	50	Green		CTI17057	CTI17857	
11.00	0.18	3.00	50	Blue		CTI17067	CTI17867	
11.00	0.18	4.00	50	Purple		CTI17077	CTI17877	
14.00	0.18	4.00	50	Natural	CTI17509	CTI17009	CTI17809	
14.00	0.18	4.00	50	Black	CTI17514	CTI17014	CTI17814	
17.00	0.18	4.50	50	Natural	CTI17550	CTI17050	CTI17850	
17.00	0.18	4.50	50	Black	CTI17560	CTI17060	CTI17860	

Mounting

Approximate Length (in)	Approximate Width (in)	Max Bundle Diameter (in)	Tensile Strength (lbs)	Color	Pcs/pack - Part #			
					25	100	500	1000
6.0	0.140	1.25	30	Natural	CTI17543	CTI17043		CTI17943
6.0	0.140	1.25	30	Black	CTI17544	CTI17044		CTI17944
7.5	0.185	1.75	50	Natural	CTI17510	CTI17010		CTI17910
7.5	0.185	1.75	50	Black	CTI17513	CTI17013		CTI17913
14.0	0.187	4.0	50	Natural	CTI17547	CTI17047	CTI17847	
14.0	0.187	4.0	50	Black	CTI17548	CTI17048	CTI17848	
Heavy Duty Mounting								
15.0	0.30	4.0	120	Natural	CTI17231	CTI17031		
15.0	0.30	4.0	120	Black	CTI17232	CTI17032		





Fluorescent

Approximate Length (in)	Approximate Width (in)	Max Bundle Diameter (in)	Tensile Strength (lbs)	Color	Pcs/pack - Part #	
					100	1000
7.5	0.185	1.75	50	Pink	CTI27025	CTI27925
7.5	0.185	1.75	50	Orange	CTI27085	CTI27985
7.5	0.185	1.75	50	Blue	CTI27065	CTI27965
7.5	0.185	1.75	50	Green	CTI27055	CTI27955
7.5	0.185	1.75	50	Yellow	CTI27045	CTI27945

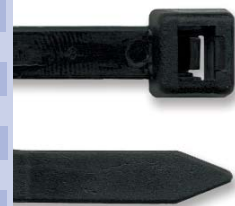
Approximate Length (in)	Tensile Strength (lbs)	Color	Pcs/pack - Part #			
			50	100	500	1000
4.0	18	Natural		CTI97001		CTI97901
4.0	18	Black		CTI97002		CTI97902
5.5	30	Natural		CTI97003		CTI97903
5.5	30	Black		CTI97004		CTI97904
7.5	50	Natural		CTI97005		CTI97905
7.5	50	Black		CTI97006		CTI97906
8.0	120	Natural	CTI97619			CTI97819
8.0	120	Black	CTI97620			CTI97820
11.0	50	Natural		CTI97007		CTI97907
11.0	50	Black		CTI97008		CTI97908
14.0	50	Natural		CTI97009		CTI97909
14.0	50	Black		CTI97014		CTI97914
14.0	120	Natural	CTI97611			CTI97811
14.0	120	Black	CTI97612			CTI97812

Metal Tooth Cable Ties



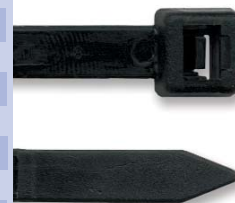
Approximate Length (in)	Approximate Width (in)	Max Bundle Diameter (in)	Tensile Strength (lbs)	Color	Pcs/pack - Part #			
					25	50	100	500
8	0.30	2	120	Natural	CTI17219		CTI17019	CTI17819
8	0.30	2	120	Black	CTI17220		CTI17020	CTI17820
14	0.30	4	120	Natural	CTI17221		CTI17011	CTI17811
14	0.30	4	120	Black	CTI17212		CTI17012	CTI17812
18	0.30	5	120	Natural	CTI17131	CTI17631		
18	0.30	5	120	Black	CTI17132	CTI17632		
24	0.30	7	120	Natural	CTI17115	CTI17615		
24	0.30	7	120	Black	CTI17116	CTI17616		
28	0.30	8	120	Natural	CTI17113	CTI17613		
28	0.30	8	120	Black	CTI17114	CTI17614		

Heavy Duty Ties



Approximate Length (in)	Approximate Width (in)	Max Bundle Diameter (in)	Tensile Strength (lbs)	Color	Pcs/pack - Part #	
					25	50
24	0.35	7	175	Natural		CTI17617
24	0.35	7	175	Black		CTI17618
36	0.35	11	175	Natural		CTI17621
36	0.35	11	175	Black		CTI17622
41	0.35	12	175	Grey		CTI17623
41	0.35	12	175	Black		CTI17624
48	0.35	15	175	Grey		CTI17649
48	0.35	15	175	Black		CTI17650
20	0.50	5	250	Black	CTI17526	
32	0.50	10	250	Black	CTI17528	
40	0.50	12	250	Black	CTI17530	

Extra Heavy Duty Ties



cable ties & cable management systems

Section 7

Releasable and Other Special Use Cable Ties



	Approx. Length (in)	Approx. Width (in)	Max bundle Diam. (in)	Tensile Strength (lbs)	Color	Pcs/pack - Part #	
						100	1000
1 Releasable							
	6.0	0.30	1.25	50	Black	CTI17034	CTI17934
	6.0	0.30	1.25	50	Natural	CTI17033	CTI17933
	11.75	0.30	3.0	50	Black	CTI17036	CTI17936
	11.75	0.30	3.0	50	Natural	CTI17035	CTI17935
2 Identification							
	8.0	0.18	1.75	50	Black	CTI17040	CTI17940
	8.0	0.18	1.75	50	Natural	CTI17039	CTI17939
3 Button Head							
	9.625	0.22	2.625	100	Black	CTI17042	CTI17942
4 Beaded							
	4.20		1.14	8	Natural	CTI17080	CTI17980
5 Cord Band, Ladder Type							
	7.10		1.85		Natural	CTI17070	CTI17870

Chrome Plated Cable Ties

Modern style of cable ties are perfect for custom shops, bikes and other customized vehicles.

Length (in)	Bundle Diameter (in)	Strength (lbs)	Color	Pcs/pack - Part #	
				10	100
8 (200 mm)	2 (50 mm)	18	Blue	CTI57165	CTI57065
8 (200 mm)	2 (50 mm)	18	Gold	CTI57185	CTI57085
8 (200 mm)	2 (50 mm)	18	Green	CTI57155	CTI57055
8 (200 mm)	2 (50 mm)	18	Purple	CTI57175	CTI57075
8 (200 mm)	2 (50 mm)	18	Red	CTI57125	CTI57025
8 (200 mm)	2 (50 mm)	18	Silver	CTI57105	CTI57005

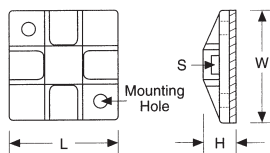
Stainless Steel Cable Ties

Made with 316 stainless steel. Resistant to temperature and moisture variations, ideal for high corrosion areas.



Length (in)	Width (in)	Strength (lbs)	Max. Bundle Diameter	Pcs/pack - Part #	
				10	100
8 (200 mm)	0.187 (4.74 mm)	150	2 (51 mm)	CTI67105	CTI67005
14 (360 mm)	0.187 (4.74 mm)	150	4 (102 mm)	CTI67109	CTI67009
20 (510 mm)	0.187 (4.74 mm)	150	6 (152 mm)	CTI67111	CTI67011
27 (690 mm)	0.187 (4.74 mm)	150	8 (200 mm)	CTI67115	CTI67015
14 (360 mm)	0.313 (7.94 mm)	250	4 (102 mm)	CTI67119	CTI67019

Cable Tie Mounting Bases



Cable Tie Size (lbs)	Mounting Screw	Part #		Dimensions (in)			Standard pack quantity
		White	Black	W	L	H	
4-way (adhesive-backed)							
18 to 30	#6	CTI27300	CT28300	0.75	0.75	0.21	100
18 to 50	#6	CT27400	CT28400	1.00	1.00	0.22	100
2-way (adhesive backing)							
18 to 150	#6	CT27500	CT28500	1.25	1.25	0.25	100
2-way (no adhesive backing)							
18 to 50	#8	CT37100	CT38100	0.38	0.60	0.28	100
18 to 120	#10	CT37300	CT38300	0.62	0.88	0.39	100

Push Mount Clips

- Push mount clip (natural).
- Accepts all cable ties up to 50 lbs tensile strength. For use in 0.250" (6.4 mm) hole. 25 pack.

Part #	Pcs/Pack
CTI66086	25
CTI66186	100
CTI66886	500



Cable Tie Application Tools

LT-400

- Heavy duty tool for use with 18-50 lbs ties
- Automatic cut-off and adjustable tensioning



LT-100

- Lightweight tool for use with 18-50 lbs ties
- Cinch tie to desired bundle and twist tool to remove excess strap



Stainless Steel Tool 62866

- Steel tie gun for tensioning and cut off. Tool is a ball lock and ladder type. For use with our stainless steel ties.



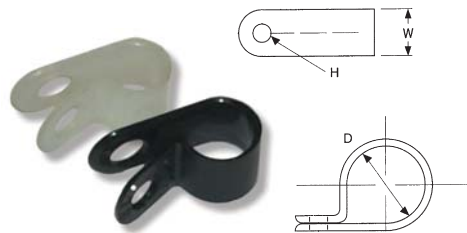
ERG-299 Professional

- Ideal for assembly line use with 18-50 lb. ties
- 360° rotatable nose allows use in any position
- Quick tension-adjustment wheel is located towards the front for easy access and fast changes
- Adjustable handle
- Light weight with a well balanced centre of gravity and smooth grip surface



Nylon Cable Clamps

Nylon cable clamps resist corrosion road salt, gas, oil and solvents. Available in white or black. Temperature rating is 85°C (185°F).



Part #		Mounting Hole Diameter (in)	ID Size (in)	Width (in)	Pack Qty
White	Black	'H'	'D'	'W'	
CTI22002	CTI24002	0.2 (5mm)	1/8	3/8	100
CTI22004	CTI24004	0.2 (5mm)	1/4	3/8	100
CTI22005	CTI24005	0.2 (5mm)	5/16	3/8	100
CTI22006	CTI24006	0.2 (5mm)	3/8	3/8	100
CTI22008	CTI24008	0.2 (5mm)	1/2	3/8	100
CTI22010	CTI24010	0.2 (5mm)	5/8	3/8	100
CTI22515	CTI24515	0.2 (5mm)	1	1/2	50
CTI22518	CTI24518	0.2 (5mm)	1-1/4	1/2	50
CTI22520	CTI24520	0.2 (5mm)	1-1/2	1/2	50

Steel-Plated Neoprene Cable Clamps

Neoprene cushion for electrical insulation and vibration absorption. Neoprene meets specifications MIL R-3065 and AMS-3209. Steel clamps are zinc electroplated for corrosion resistance. 10 per pack.

Add '-C' to part number for 100 piece pack.



Part #	Mounting Hole Diameter (in)	ID Size (in)	Width (in)	Pack Qty
	'H'	'D'	'W'	
CTI66321	0.27 (6.7 mm)	1/4 (6.4 mm)	9/16 (14.3 mm)	10
CTI66322	0.27 (6.7 mm)	3/8 (9.5 mm)	9/16 (14.3 mm)	10
CTI66332	0.41 (10.4 mm)	1/2 (12.7 mm)	3/4 (19.1 mm)	10
CTI66333	0.41 (10.4 mm)	5/8 (15.9 mm)	3/4 (19.1 mm)	10
CTI66334	0.41 (10.4 mm)	3/4 (19.1 mm)	3/4 (19.1 mm)	10
CTI66335	0.41 (10.4 mm)	7/8 (22.2 mm)	3/4 (19.1 mm)	10
CTI66336	0.41 (10.4 mm)	1 (25.4 mm)	3/4 (19.1 mm)	10

Loom-Type Steel Clamps with Vinyl Cushion

These clamps are ideal for loom, tubing, and wire and contain an oval opening for easy alignment.

Add '-C' to part number for 100 piece pack.



Part #	Mounting Hole Diameter (in)	ID Size (in)	Width (in)	Pack Qty
CTI66087	9/32 (7.1 mm)	1/2 (12.7 mm)	1/4 (6.4 mm)	10
CTI66088	9/32 (7.1 mm)	1/2 (12.7 mm)	3/8 (9.5 mm)	10
CTI66089	9/32 (7.1 mm)	1/2 (12.7 mm)	1/2 (12.7 mm)	10
CTI66090	9/32 (7.1 mm)	1/2 (12.7 mm)	5/8 (15.9 mm)	10
CTI66091	9/32 (7.1 mm)	1/2 (12.7 mm)	3/4 (19.1 mm)	10
CTI66092	9/32 (7.1 mm)	1/2 (12.7 mm)	1 (25.4 mm)	10
CTI66093	9/32 (7.1 mm)	1/2 (12.7 mm)	1-1/2 (38.1 mm)	10

Grommets

Grommets protect wires and cables passing through panels while resisting oils and grease. They can also withstand temperatures from -40°C to 135°C. Also available #CTI18500 25 pc assortment.



Part #	Hole Size 'H'	Inside Diameter 'ID'	Panel Thickness 'P'	Outside Diameter 'OD'	Grommet Thickness 'T'	Pack Qty
CTI18301	6.4	4.0	1.6	9.5	6.4	25
CTI18302	6.4	4.8	3.2	9.5	8.7	25
CTI18303	7.5	4.0	2.4	10.3	38.9	25
CTI18304	7.9	4.8	4.8	14.7	28.6	25
CTI18305	9.5	7.9	1.6	14.3	7.9	25
CTI18306	12.7	7.9	3.2	19.1	9.5	25
CTI18307	12.7	7.9	1.6	19.0	7.9	25
CTI18308	15.9	11.1	0.8	19.1	9.5	25
CTI18309	15.9	12.7	1.2	20.6	5.1	25
CTI18310	19.1	11.9	1.6	25.4	7.9	25
CTI18311	19.1	14.3	3.0	25.4	9.5	25
CTI18312	20.0	16.0	1.6	31.8	7.9	25
CTI18313	25.4	19.1	1.6	31.8	7.9	25
CTI18314	25.4	22.2	1.6	31.8	7.9	25
CTI18315	28.6	22.2	3.2	34.9	9.5	25

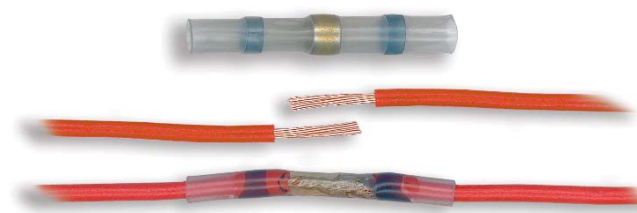
Thermafix SolderSplice™ Wire-to-Wire Splices

Thermafix SolderSplice™ wire-to-wire splices feature a fluxed solder preform within a heat shrinkable thermoplastic sleeve. This provides a completely soldered, strain-relieved, encapsulated connection. The one-piece, one-step design simplifies installation.

- Controlled soldering combined with shrink tubing in one-step
- Strain relief
- Max operating temperatures to 125°C (257°F)
- Color-coded sealing rings
- Transparent sleeves easy to inspect

Triple action:

- Sleeve shrinks
- Center ring of solder melts to connect
- Outer rings of color-coded plastic seal



Wire Gauge 22-18



Convenience Packs	
Pcs/pack	Part #
18	CTI26004
100	CTI26104
Bulk Pack	
Pcs/pack	Part #
1000	CTI26904

Wire Gauge 16-14



Convenience Packs	
Pcs/pack	Part #
18	CTI26005
100	CTI26105
Bulk Pack	
Pcs/pack	Part Number
1000	CTI26905

Wire Gauge 12-10



Convenience Packs	
Pcs/pack	Part #
12	CTI26006
50	CTI26106
Bulk Pack	
Pcs/pack	Part Number
500	CTI26806

Thermafrix Crimp™

Heat Shrinkable and adhesive-lined, Thermafrix Crimp™ products insulate and protect electrical connections from mechanical abuse, wire pull-out, and abrasion while resisting water, salt, and other contaminants.

- Rugged, heat shrinkable nylon
- Hot melt adhesive lining
- Transparent for easy installation
- Extended temp. range of -55°C to 125°C
- Color-coded for AWG 22 to 10
- High strength crimp barrels



Butt Splice Assorted

Convenience Packs	
Pcs/pack	Part #
18	CTI16001



Terminals Assorted

Convenience Packs	
Pcs/pack	Part #
18	CTI16002

Butt Splices

Wire Gauge 22-18



Convenience Packs	
Pcs/pack	Part #
18	CTI16004
100	CTI16104
Bulk Pack	
Pcs/pack	Part #
1000	CTI16904

Wire Gauge 16-14



Convenience Packs	
Pcs/pack	Part #
18	CTI16005
100	CTI16105
Bulk Pack	
Pcs/ pack	Part #
1000	CTI16905

Wire Gauge 12-10



Convenience Packs	
Pcs/pack	Part #
12	CTI16006
50	CTI16106
Bulk Pack	
Pcs/ pack	Part #
500	CTI16806



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Section 7

Thermafix Crimp™

Part Numbers and Pack Sizes for Standard Shapes



Ring Terminal



#8 Wire Gauge 22-18

Convenience Packs

Pcs/pack	Part #
18	CTI16023
100	CTI16123

Bulk Pack

Pcs/pack	Part #
1000	CTI16923



#10 Wire Gauge 22-18

Convenience Packs

Pcs/pack	Part #
18	CTI16007
100	CTI16107

Bulk Pack

Pcs/pack	Part #
1000	CTI16907



1/4 Wire Gauge 22-18

Convenience Packs

Pcs/pack	Part #
18	CTI16025
100	CTI16125

Bulk Pack

Pcs/pack	Part #
1000	CTI16925



5/16 Wire Gauge 22-18

Convenience Packs

Pcs/pack	Part #
18	CTI16030
75	CTI16130

Bulk Pack

Pcs/pack	Part #
1000	CTI16930



#8 Wire Gauge 22-18

Convenience Packs

Pcs/pack	Part #
18	CTI16027
75	CTI16127

Bulk Pack

Pcs/pack	Part #
1000	CTI16927



#8 Wire Gauge 16-14

Convenience Packs

Pcs/pack	Part #
18	CTI16024
100	CTI16124

Bulk Pack

Pcs/pack	Part #
1000	CTI16924



#8 Wire Gauge 16-14

Convenience Packs

Pcs/pack	Part #
18	CTI16009
100	CTI16109

Bulk Pack

Pcs/pack	Part #
1000	CTI16909



1/4 Wire Gauge 16-14

Convenience Packs

Pcs/pack	Part #
18	CTI16026
100	CTI16126

Bulk Pack

Pcs/pack	Part #
1000	CTI16926



5/16 Wire Gauge 16-14

Convenience Packs

Pcs/pack	Part #
18	CTI16017
75	CTI16117

Bulk Pack

Pcs/pack	Part #
1000	CTI16917



3/8 Wire Gauge 16-14

Convenience Packs

Pcs/pack	Part #
18	CTI16021
75	CTI16121

Bulk Pack

Pcs/pack	Part #
1000	CTI16921



#8 Wire Gauge 12-10

Convenience Packs

Pcs/pack	Part #
12	CTI16020
50	CTI16120

Bulk Pack

Pcs/pack	Part #
500	CTI16820



#8 Wire Gauge 12-10

Convenience Packs

Pcs/pack	Part #
12	CTI16019
50	CTI16119

Bulk Pack

Pcs/pack	Part #
500	CTI16819



#8 Wire Gauge 12-10

Convenience Packs

Pcs/pack	Part #
12	CTI16011
50	CTI16111

Bulk Pack

Pcs/pack	Part #
500	CTI16811



#8 Wire Gauge 12-10

Convenience Packs

Pcs/pack	Part #
12	CTI16018
50	CTI16118

Bulk Pack

Pcs/pack	Part #
500	CTI16818



#8 Wire Gauge 12-10

Convenience Packs

Pcs/pack	Part #
12	CTI16022
50	CTI16122

Bulk Pack

Pcs/pack	Part #
500	CTI16822



#8 Wire Gauge 22-18

Convenience Packs

Pcs/pack	Part #
18	CTI16008
100	CTI16108

Bulk Pack

Pcs/pack	Part #
1000	CTI16908



#8 Wire Gauge 16-14

Convenience Packs

Pcs/pack	Part #
18	CTI16010
100	CTI16110

Bulk Pack

Pcs/pack	Part #
1000	CTI16910



#8 Wire Gauge 12-10

Convenience Packs

Pcs/pack	Part #
12	CTI16012
50	CTI16112

Bulk Pack

Pcs/pack	Part #
500	CTI16812

Spade Terminal





Male Wire Gauge 16-14

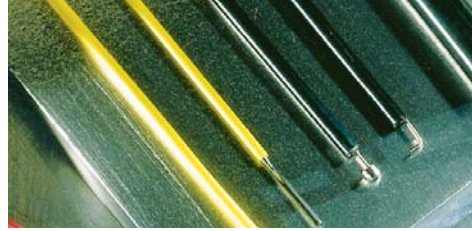
Convenience Packs	
Pcs/pack	Part #
18	CTI16028
75	CTI16128
Bulk Pack	
Pcs/pack	Part #
1000	CTI16928



Female Wire Gauge 16-14

Convenience Packs	
Pcs/pack	Part #
18	CTI16029
75	CTI16129
Bulk Pack	
Pcs/pack	Part #
1000	CTI16929

Bullet Terminal



Female Wire Gauge 22-18

Convenience Packs	
Pcs/pack	Part #
18	CTI16013
75	CTI16113
Bulk Pack	
Pcs/pack	Part #
1000	CTI16913



Female Wire Gauge 16-14

Convenience Packs	
Pcs/pack	Part #
18	CTI16014
75	CTI16114
Bulk Pack	
Pcs/pack	Part #
1000	CTI16914



Female Wire Gauge 12-10

Convenience Packs	
Pcs/pack	Part #
12	CTI16031
50	CTI16131
Bulk Pack	
Pcs/pack	Part #
500	CTI16831

Quick Disconnect



Female Wire Gauge 22-18

Convenience Packs	
Pcs/pack	Part #
18	CTI16013
75	CTI16113
Bulk Pack	
Pcs/pack	Part #
1000	CTI16913



Female Wire Gauge 16-14

Convenience Packs	
Pcs/pack	Part #
18	CTI16014
75	CTI16114
Bulk Pack	
Pcs/pack	Part #
1000	CTI16914



Installation Tip

Use of reflector tip attachment will improve the installation of heat shrink terminals.

Heat Shrink Assortments



Assortment	Part #	CTI10002
Thermaflox™ Single Wall	167 pcs	(1/8-3/4 black & red)
Dual Wall Thermaflox™ Plus	10 pcs	(all sizes)
Heavy Wall Thermaflox™ ST	4 pcs	(1.1" diameter)
Thermaflox Crimp™ Terminals	18 pcs	(assorted)
Thermaflox Crimp™ Splices	18 pcs	(assorted)
Cable Ties	40 pcs	(black & white)

*Starter refill for CTI10002 is available as number CTI10012 (single wall only).



Assortment	Part #	CTI10007
Thermaflox Crimp™ Terminals	252 pcs	(blue, yellow & red-21 types)
Thermaflox Crimp™ Splices	36 pcs	(blue, yellow & red)

Heat Shrink Assortments Continued



Assortment	Part # CTI10003
Thermafix™ Single Wall	166 pcs (1/8-3/8 black & red)
Dual Wall Thermafix™ Plus	26 pcs (sizes 1 & 2)
Thermafix Crimp™ Terminals	66 pcs (blue & yellow - 4 types)
Thermafix Crimp™ Splices	30 pcs (blue & yellow)



Assortment	Part # CTI10008
Dual Wall Thermafix™ Plus	27 pcs (sizes 1, 2, 3 & 4)
Thermafix Crimp™ Terminals	40 pcs (blue, yellow & red)
Thermafix Crimp™ Splices	36 pcs (blue & yellow)



Assortment	Part # CTI10004
Thermafix™ Single Wall	36 pcs (1/8"-3/16" & 1/4 red, yellow, blue, green, black, white)
Dual Wall Thermafix™ Plus	25 pcs (sizes 1, 2 & 3)



Assortment	Part # CTI10009
Dual Wall Thermafix™ Plus	62 pcs (sizes 1, 2 & 3)



Assortment	Part # CTI10005
Thermafix Crimp™ Terminals	325 pcs (blue & yellow, 13 types)
Thermafix Crimp™ Splices	100 pcs (blue & yellow)



Assortment	Part # CTI10010
Dual Wall Thermafix™ Plus	63 pcs (all sizes)



Primary Terminals & Connectors


- Pure electrolytic copper with electro-tin plating for corrosion resistance
- Deep internal serrations promote firm wire grip for maximum strength
- Insulation (where applicable) is color coded to NEMA standards and flared for easy insertion of stranded and solid wire



Which Terminal / Connector to Choose?


Non-Insulated, PVC Insulated, Nylon Insulated or High Temperature

<p>NON-INSULATED terminals are used where there is no worry about 'grounding' or 'shorting out' against other wires or metal frames, or with heat shrink tubing to cover the connection after seeing that it has been made properly.</p>	<p>PVC insulated terminals are manufactured using a two-part construction; an inner lug covered with a friction fit PVC sleeve. Generally speaking a single crimp is sufficient to make a proper connection.</p>	<p>NYLON insulated terminals are manufactured using a three-part construction: an inner lug, a copper sleeve, and an outer Nylon coating. The copper sleeve acts as a 'funnel' to direct the wire properly into the lug. Generally a dual crimp is utilized—one which crimps the inner lug, one which crimps the sleeve. This connection is regarded as a better design as it gives strain relief at the connection and subsequently less fatigue</p>
<p>High Temperature terminals are nickel plated and excellent for high-heat applications, able to withstand temperatures of up to 900°F (482°C).</p>	<p>Both NYLON and PVC connections are rated at 90°C to 105°C and can be used in auto applications (12V) or AC (110V). The actual rating of each is up to 600V. Both NYLON and PVC offer excellent protection from surrounding metal or wire contact to prevent "shorting out" situations.</p>	



#10 Wire Gauge 22-18


Pcs/pack	Part #
25	CTI75209
200	CTI77209
1000	CTI87209



1/4" Wire Gauge 22-18


Pcs/pack	Part #
15	CTI75211
70	CTI77211
1000	CTI87211

Non-Insulated Ring Terminals




#6 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75213
100	CTI77213
1000	CTI87213




#8 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75215
100	CTI77215
1000	CTI87215




#10 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75217
100	CTI77217
1000	CTI87217




#10 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75219
100	CTI77219
1000	CTI87219




#8 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75221
100	CTI77221
1000	CTI87221




#10 Wire Gauge 12-10

Pcs/pack	Part #
25	CTI75223
70	CTI77223
1000	CTI87223




#6 Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75225
70	CTI77225
1000	CTI87225




#8 Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75227
70	CTI77227
1000	CTI87227




#10 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75113
100	CTI77113
1000	CTI87113



#6 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75115
100	CTI77115
1000	CTI87115
























#6 S Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75117
100	CTI77117
1000	CTI87117

Non-Insulated Spade Terminals

cable ties & cable management systems

Section 7

Non-Insulated Spade Terminals Continued		#8 Wire Gauge 22-18		#10 Wire Gauge 16-14		#6 Wire Gauge 16-14																								
	<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75119</td> </tr> <tr> <td>100</td> <td>CTI77119</td> </tr> <tr> <td>1000</td> <td>CTI87119</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75119	100	CTI77119	1000	CTI87119		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75121</td> </tr> <tr> <td>100</td> <td>CTI77121</td> </tr> <tr> <td>1000</td> <td>CTI87121</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75121	100	CTI77121	1000	CTI87121		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75123</td> </tr> <tr> <td>100</td> <td>CTI77123</td> </tr> <tr> <td>1000</td> <td>CTI87123</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75123	100	CTI77123	1000	CTI87123	
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	#6 S Wire Gauge 16-14		#8 Wire Gauge 16-14		#10 Wire Gauge 12-10																									
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Non-Insulated Male Disconnects		1/4" Wire Gauge 16-14		1/4" Wire Gauge 16-14		1/4" Wire Gauge 12-10																								
	<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75481</td> </tr> <tr> <td>100</td> <td>CTI77481</td> </tr> <tr> <td>1000</td> <td>CTI87481</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75481	100	CTI77481	1000	CTI87481		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75483</td> </tr> <tr> <td>100</td> <td>CTI77483</td> </tr> <tr> <td>1000</td> <td>CTI87483</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75483	100	CTI77483	1000	CTI87483		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75485</td> </tr> <tr> <td>90</td> <td>CTI77485</td> </tr> <tr> <td>1000</td> <td>CTI87485</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75485	90	CTI77485	1000	CTI87485	
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	1/4" Wire Gauge 22-18		1/4" Wire Gauge 16-14		1/4" Wire Gauge 12-10																									
<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>CTI75177</td> </tr> <tr> <td>80</td> <td>CTI77177</td> </tr> <tr> <td>1000</td> <td>CTI87177</td> </tr> </tbody> </table>	Pcs/pack	Part #	20	CTI75177	80	CTI77177	1000	CTI87177		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>CTI75179</td> </tr> <tr> <td>80</td> <td>CTI77179</td> </tr> <tr> <td>1000</td> <td>CTI87179</td> </tr> </tbody> </table>	Pcs/pack	Part #	20	CTI75179	80	CTI77179	1000	CTI87179		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>CTI75181</td> </tr> <tr> <td>70</td> <td>CTI77181</td> </tr> <tr> <td>1000</td> <td>CTI87181</td> </tr> </tbody> </table>	Pcs/pack	Part #	15	CTI75181	70	CTI77181	1000	CTI87181		
Pcs/pack	Part #																													
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Pcs/pack	Part #																													
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Non-Insulated Flag Terminals		1/4" Wire Gauge 22-18		1/4" Wire Gauge 16-14		1/4" Wire Gauge 12-10																								
	<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>CTI75171</td> </tr> <tr> <td>70</td> <td>CTI77171</td> </tr> <tr> <td>1000</td> <td>CTI87171</td> </tr> </tbody> </table>	Pcs/pack	Part #	15	CTI75171	70	CTI77171	1000	CTI87171		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>CTI75173</td> </tr> <tr> <td>70</td> <td>CTI77173</td> </tr> <tr> <td>1000</td> <td>CTI87173</td> </tr> </tbody> </table>	Pcs/pack	Part #	15	CTI75173	70	CTI77173	1000	CTI87173		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>CTI75175</td> </tr> <tr> <td>35</td> <td>CTI77175</td> </tr> <tr> <td>1000</td> <td>CTI87175</td> </tr> </tbody> </table>	Pcs/pack	Part #	8	CTI75175	35	CTI77175	1000	CTI87175	
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Non-Insulated Butt Splice Connectors		Wire Gauge 22-18		Wire Gauge 16-14		Wire Gauge 12-10																								
	<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75107</td> </tr> <tr> <td>100</td> <td>CTI77107</td> </tr> <tr> <td>1000</td> <td>CTI87107</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75107	100	CTI77107	1000	CTI87107		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75109</td> </tr> <tr> <td>100</td> <td>CTI77109</td> </tr> <tr> <td>1000</td> <td>CTI87109</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75109	100	CTI77109	1000	CTI87109		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>CTI75111</td> </tr> <tr> <td>70</td> <td>CTI77111</td> </tr> <tr> <td>1000</td> <td>CTI87111</td> </tr> </tbody> </table>	Pcs/pack	Part #	15	CTI75111	70	CTI77111	1000	CTI87111	
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Non-Insulated Seamless Butt Splice Connectors		Wire Gauge 22-18		Wire Gauge 16-14		Wire Gauge 12-10																								
	<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75461</td> </tr> <tr> <td>100</td> <td>CTI77461</td> </tr> <tr> <td>1000</td> <td>CTI87461</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75461	100	CTI77461	1000	CTI87461		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>CTI75463</td> </tr> <tr> <td>100</td> <td>CTI77463</td> </tr> <tr> <td>1000</td> <td>CTI87463</td> </tr> </tbody> </table>	Pcs/pack	Part #	25	CTI75463	100	CTI77463	1000	CTI87463		<table border="1"> <thead> <tr> <th>Pcs/pack</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>CTI75465</td> </tr> <tr> <td>50</td> <td>CTI77465</td> </tr> <tr> <td>1000</td> <td>CTI87465</td> </tr> </tbody> </table>	Pcs/pack	Part #	15	CTI75465	50	CTI77465	1000	CTI87465	
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Pcs/pack	Part #																													
15	CTI75465																													
50	CTI77465																													
1000	CTI87465																													

Section 7



#10 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75229
100	CTI77229
1000	CTI87229



1/4" Wire Gauge 22-18

Pcs/pack	Part #
15	CTI75231
70	CTI77231
1000	CTI87231

PVC Ring Terminals



3/8" Wire Gauge 22-18

Pcs/pack	Part #
15	CTI75233
70	CTI77233
1000	CTI87233



5/16" Wire Gauge 22-18

Pcs/pack	Part #
15	CTI75235
70	CTI77235
1000	CTI87235



#6 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75237
100	CTI77237
1000	CTI87237



#8 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75239
100	CTI77239
1000	CTI87239



#10 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75241
100	CTI77241
1000	CTI87241



1/4" Wire Gauge 16-14

Pcs/pack	Part #
15	CTI75243
70	CTI77243
1000	CTI87243



3/8" Wire Gauge 16-14

Pcs/pack	Part #
15	CTI75245
70	CTI77245
1000	CTI87245



15/16" Wire Gauge 16-14

Pcs/pack	Part #
15	CTI75247
70	CTI77247
1000	CTI87247



#6 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75249
100	CTI77249
1000	CTI87249



#8 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75251
100	CTI77251
1000	CTI87251



#10 Wire Gauge 12-10

Pcs/pack	Part #
20	CTI75253
80	CTI77253
1000	CTI87253



1/4" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75255
70	CTI77255
1000	CTI87255



3/8" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75257
70	CTI77257
1000	CTI87257



15/16" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75259
70	CTI77259
1000	CTI87259



#6 Wire Gauge 12-10

Pcs/pack	Part #
20	CTI75261
80	CTI77261
1000	CTI87261



#8 Wire Gauge 12-10

Pcs/pack	Part #
20	CTI75263
80	CTI77263
1000	CTI87263



#10 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75131
100	CTI77131
1000	CTI87131



#6 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75133
100	CTI77133
1000	CTI87133



#6 S Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75135
100	CTI77135
1000	CTI87135

PVC Spade Terminals



#8 Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75137
100	CTI77137
1000	CTI87137



#10 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75139
100	CTI77139
1000	CTI87139



#6 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75141
100	CTI77141
1000	CTI87141



#6 S Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75143
100	CTI77143
1000	CTI87143

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#8 Wire Gauge 16-14

**PVC Spade
Terminals
Continued**

Pcs/pack	Part #
25	CTI75145
100	CTI77145
1000	CTI87145



#10 Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75147
70	CTI77147
1000	CTI87147



#6 Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75149
70	CTI77149
1000	CTI87149



**PVC
Piggy Back
Connectors**



#6 Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75151
70	CTI77151
1000	CTI87151



#8 Wire Gauge 12-10

Pcs/pack	Part #
25	CTI75153
100	CTI77153
1000	CTI87153



1/4" Wire Gauge 22-18

Pcs/pack	Part #
15	CTI75274
70	CTI77274
1000	CTI87274



1/4" Wire Gauge 16-14

Pcs/pack	Part #
15	CTI75275
70	CTI77275
1000	CTI87275



1/4" Wire Gauge 22-18

**PVC
Tap Splice
Connectors**

Pcs/pack	Part #
12	CTI75269
55	CTI77269
1000	CTI87269



1/4" Wire Gauge 16-14

Pcs/pack	Part #
12	CTI75271
55	CTI77271
1000	CTI87271



1/4" Wire Gauge 12-10

Pcs/pack	Part #
8	CTI75273
25	CTI77273
1000	CTI87273



.156 Wire Gauge 22-18

**PVC
Snap Plugs**

Pcs/pack	Part #
20	CTI75265
100	CTI77265
1000	CTI87265



.156 Wire Gauge 16-14

Pcs/pack	Part #
15	CTI75266
50	CTI77266
1000	CTI87266



.156 Wire Gauge 16-14

Pcs/pack	Part #
20	CTI75267
100	CTI77267
1000	CTI87267



1/4" Wire Gauge 22-18

**PVC
Male
Disconnects**

Pcs/pack	Part #
25	CTI75201
100	CTI77201
1000	CTI87201



1/4" Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75205
100	CTI77205
1000	CTI87205



1/4" Wire Gauge 12-10

Pcs/pack	Part #
20	CTI75207
80	CTI77207
1000	CTI87207



.110 Wire Gauge 22-18

**PVC
Female
Disconnects**

Pcs/pack	Part #
25	CTI75183
80	CTI77183
1000	CTI87183



3/16" Wire Gauge 22-18

Pcs/pack	Part #
20	CTI75185
80	CTI77185
1000	CTI87185



1/4" Wire Gauge 22-18

Pcs/pack	Part #
20	CTI75187
80	CTI77187
1000	CTI87187

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.110 Wire Gauge 16-14

Pcs/pack	Part #
20	CTI75189
80	CTI77189
1000	CTI87189



3/16" Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75191
100	CTI77191
1000	CTI87191



1/4" Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75193
100	CTI77193
1000	CTI87193

**PVC Ring
Terminals**



1/4" Wire Gauge 12-10

Pcs/pack	Part #
25	CTI75195
100	CTI77195
1000	CTI87195



Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75101
100	CTI77101
1000	CTI87101



Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75103
100	CTI77103
1000	CTI87103



Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75105
70	CTI77105
1000	CTI87105

**PVC Butt
Splice
Connectors**



Wire Gauge 22-14

Pcs/pack	Part #
25	CTI75276
100	CTI77276
1000	CTI87276



Wire Gauge 16-10

Pcs/pack	Part #
15	CTI75277
70	CTI77277
1000	CTI87277

**PVC
Closed End
Connectors**



#6 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75410
100	CTI77410
1000	CTI87410



#10 Wire Gauge 16-14

Pcs/pack	Part #
15	CTI75411
70	CTI77411
1000	CTI87411

**Nylon Ring
Terminals**



#10 Wire Gauge 12-10

Pcs/pack	Part #
20	CTI75412
70	CTI77412
1000	CTI87412



#6 Wire Gauge 22-18

Pcs/pack	Part #
20	CTI75413
75	CTI77413
1000	CTI87413



1/4" Wire Gauge 22-18

Pcs/pack	Part #
15	CTI75414
65	CTI77414
1000	CTI87414



3/8 Wire Gauge 16-14

Pcs/pack	Part #
15	CTI75415
65	CTI77415
1000	CTI87415



3/8" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75416
65	CTI77416
1000	CTI87416



1/2" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75417
50	CTI77417
1000	CTI87417



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Nylon Heavy Duty Terminal



1/4" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75441
60	CTI77441
1000	CTI87441



3/8" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75443
60	CTI77443
1000	CTI87443

Nylon Spade Terminal



#10 Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75418
100	CTI77418
1000	CTI87418



#10 Wire Gauge 12-10

Pcs/pack	Part #
20	CTI75419
75	CTI77419
1000	CTI87419

Nylon Fully Insulated Male Disconnects



1/4" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75451
60	CTI77451
1000	CTI87451



1/4" Wire Gauge 16-14

Pcs/pack	Part #
20	CTI75491
80	CTI77491
1000	CTI87491



1/4" Wire Gauge 22-18

Pcs/pack	Part #
20	CTI75493
80	CTI77493
1000	CTI87493

Nylon Fully Insulated Female Disconnects



3/16 Wire Gauge 22-18

Pcs/pack	Part #
8	CTI75155
35	CTI77155
1000	CTI87155



3/16 Wire Gauge 16-14

Pcs/pack	Part #
8	CTI75159
35	CTI77159
1000	CTI87159



1/4" Wire Gauge 12-10

Pcs/pack	Part #
15	CTI75453
60	CTI77453
1000	CTI87453

1/4" Wire Gauge 22-18

Pcs/pack	Part #
20	CTI75487
80	CTI77487
1000	CTI87487

1/4" Wire Gauge 16-14

Pcs/pack	Part #
20	CTI75489
80	CTI77489
1000	CTI87489

Nylon Male Disconnects



1/4" Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75401
100	CTI77401
1000	CTI87401

Nylon Flag Terminals



1/4" Wire Gauge 22-18

Pcs/pack	Part #
20	CTI75471
70	CTI77471
1000	CTI87471



1/4" Wire Gauge 16-14

Pcs/pack	Part #
10	CTI75473
50	CTI77473
1000	CTI87473



1/4" Wire Gauge 12-10

Pcs/pack	Part #
4	CTI75475
17	CTI77475
1000	CTI87475



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Wire Gauge 22-18

Pcs/pack	Part #
25	CTI75425
100	CTI77425
1000	CTI87425



Wire Gauge 16-14

Pcs/pack	Part #
25	CTI75427
100	CTI77427
1000	CTI87427



Wire Gauge 12-10

Pcs/pack	Part #
20	CTI75429
75	CTI77429
1000	CTI87429

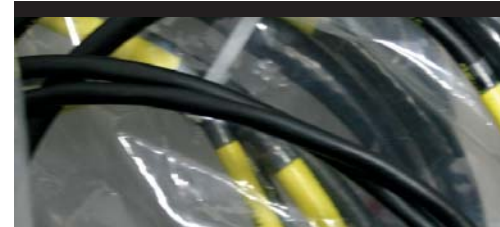
**Nylon
Butt Splice
Connectors**



1/4" Wire Gauge 16-14

Pcs/pack	Part #
5	CTI75435
20	CTI77435
1000	CTI87435

**Nylon
3-Way
Splice**



Wire Gauge 22-18

Pcs/pack	Part #
100	CTI77301
1000	CTI87301



Wire Gauge 16-14

Pcs/pack	Part #
100	CTI77303
1000	CTI87303



Wire Gauge 12-10

Pcs/pack	Part #
100	CTI77305
1000	CTI87305

**Non-Insulated
High Temp
Butt Splice
Connectors**



#10 Wire Gauge 22-18

Pcs/pack	Part #
100	CTI77307
1000	CTI87307



#10 Wire Gauge 16-14

Pcs/pack	Part #
100	CTI77309
1000	CTI87309



#10 Wire Gauge 12-10

Pcs/pack	Part #
100	CTI77311
1000	CTI87311

**Non-Insulated High
Temp Spade
Ring Connectors**



#10 Wire Gauge 22-18

Pcs/pack	Part #
100	CTI77313
1000	CTI87313



1/4" Wire Gauge 22-18

Pcs/pack	Part #
100	CTI77314
1000	CTI87314



#6 Wire Gauge 22-18

Pcs/pack	Part #
100	CTI77315
1000	CTI87315

**Non-Insulated
High Temp
Ring Connectors**



#8 Wire Gauge 22-18

Pcs/pack	Part #
100	CTI77316
1000	CTI87316



#10 Wire Gauge 16-14

Pcs/pack	Part #
100	CTI77317
1000	CTI87317



1/4" Wire Gauge 16-14

Pcs/pack	Part #
100	CTI77318
1000	CTI87318



#6 Wire Gauge 16-14

Pcs/pack	Part #
100	CTI77319
1000	CTI87319



#8 Wire Gauge 16-14

Pcs/pack	Part #
100	CTI77321
1000	CTI87321



1/4" Wire Gauge 12-10

Pcs/pack	Part #
100	CTI77323
1000	CTI87323



#10 Wire Gauge 12-10

Pcs/pack	Part #
100	CTI77325
1000	CTI87325









3/8" Wire Gauge 12-10



Pcs/pack	Part #
100	CTI77327
1000	CTI87327




cable ties & cable management systems




Section 7

Non-Insulated High Temp Ring Connectors (continued)		5/16" Wire Gauge 12-10		#6 Wire Gauge 12-10		#8 Wire Gauge 12-10
	Pcs/pack	Part #	Pcs/pack	Part #	Pcs/pack	Part #
	100	CTI77329	100	CTI77331	100	CTI77333
	1000	CTI87329	1000	CTI87331	1000	CTI87333

Non-Insulated High Temp Female Disconnects		1/4" Wire Gauge 22-18		1/4" Wire Gauge 16-14		1/4" Wire Gauge 12-10
	Pcs/pack	Part #	Pcs/pack	Part #	Pcs/pack	Part #
	100	CTI77335	100	CTI77337	100	CTI77339
	1000	CTI87335	1000	CTI87337	1000	CTI87339

Non-Insulated High Temp Male Disconnects		1/4" Wire Gauge 16-14		1/4" Wire Gauge 12-10
	Pcs/pack	Part #	Pcs/pack	Part #
	100	CTI77343	100	CTI77345
	1000	CTI87343	1000	CTI87345

Non-Insulated High Temp Flag Terminals		1/4" Wire Gauge 22-18		1/4" Wire Gauge 16-14		1/4" Wire Gauge 12-10
	Pcs/pack	Part #	Pcs/pack	Part #	Pcs/pack	Part #
	100	CTI77347	100	CTI77349	100	CTI77351
	1000	CTI87347	1000	CTI87349	1000	CTI87351

Color Coded Wire Nuts		Min: 2 #18 Ga. Max: 2 #14 Ga.		Min: 2 #14 Ga. Max: 3 #12 Ga.		Min: 2 #14 Ga. Max: 3 #10 & 1 #12 Ga.
	Pcs/pack	Part #	Pcs/pack	Part #	Pcs/pack	Part #
	25	CTI18220	25	CTI18320	25	CTI18420
	100	CTI18250	100	CTI18350	100	CTI18450
	1000	CTI18290	1000	CTI18390	1000	CTI18490

Terminal Assortment

Terminal Assortment in Plastic Storage Box

Comes complete with 332 terminals in 18 of the most popular styles. Each part number is indexed on the reference chart for ease of identification and quick reorder. Part #CTI10077

Part #	Qty	Part #	Qty	Part #	Qty
CTI75101	25	CTI75491	10	CTI75245	15
CTI75103	25	CTI75193	25	CTI75253	20
CTI75105	15	CTI75205	25	CTI75255	15
CTI75139	25	CTI75229	25	CTI75257	15
CTI75147	15	CTI75241	25	CTI75271	12
CTI75489	10	CTI75243	15	CTI75277	15



Section 7

Toggle Switches: Light, Medium, Heavy-Duty



Part #	Duty	Position Type	Terminal		Rating	Type	Handle		
			Type	#			Color	Pole	Throw
CTI65075	Light	ON-OFF	Screw	2	35 a @ 6V; 20 a @ 12V	Bat	Chrome	Single	Single
CTI65072	Light	OFF-ON	Screw	2	6 a @ 125 volts; 3 a @ 250 volts	Bat	Nickel	Single	Single
CTI65073	Light	OFF-ON	Leads*	2	6 a @ 125 volts; 3 a @ 250 volts	Bat	Nickel	Single	Single
CTI65046	Medium	ON-OFF	Screw	2	20 a @ 12VDC	Standard	Chrome	Single	Single
CTI65047	Medium	ON-OFF	Blade	2	20 a @ 12VDC	Standard	Chrome	Single	Single
CTI65048	Medium	ON-MOM. OFF	Screw	2	20 a @ 12VDC	Long	Chrome	Single	Single
CTI65049	Medium	MOM. ON -OFF	Screw	2	20 a @ 12VDC	Standard	Chrome	Single	Single
CTI65054	Medium	ON-ON	Screw	3	20 a @ 12VDC	Standard	Chrome	Single	Double
CTI65055	Medium	ON-OFF-ON	Screw	3	20 a @ 12VDC	Standard	Chrome	Single	Double
CTI65056	Medium	ON-OFF-ON	Blade	3	20 a @ 12VDC	Standard	Chrome	Single	Double
CTI65057	Medium	MOM. ON-OFF-MOM. ON	Screw	3	20 a @ 12VDC	Standard	Chrome	Single	Double
CTI65058	Medium	ON-OFF	Screw	4	20 a @ 12VDC	Standard	Chrome	Double	Single
CTI65059	Medium	ON-OFF	Blade	4	20 a @ 12VDC	Standard	Chrome	Double	Single
CTI65064	Medium	ON-ON	Screw	6	20 a @ 12VDC	Standard	Chrome	Double	Double
CTI65065	Medium	ON-OFF-ON	Screw	6	20 a @ 12VDC	Standard	Chrome	Double	Double
CTI65066	Medium	ON-OFF-ON	Blade	6	20 a @ 12VDC	Standard	Chrome	Double	Double
CTI65067	Medium	MOM. ON-OFF-MOM. ON	Screw	6	20 a @ 12VDC	Standard	Chrome	Double	Double
CTI65012	Heavy	ON-OFF	Screw	2	50 a @ 6-24volts	Standard	Black	Single	Single
CTI65030	Heavy	ON-OFF	Screw	2	50 a @ 6-24volts	Standard	Chrome	Single	Single
CTI65031	Heavy	ON-OFF	Screw	2	50 a @ 6-24volts	Long	Chrome	Single	Single
CTI65033	Heavy	ON-OFF	Blade	2	30 a @ 6-24volts	Standard	Chrome	Single	Single
CTI65020	Heavy	MOM. ON-OFF-MOM. ON	Screw	3	50 a @ 6-24volts	Long	Chrome	Single	Double
CTI65032	Heavy	MOM. ON-OFF-MOM. ON	Screw	3	50 a @ 6-24volts	Standard	Chrome	Single	Double
CTI65034	Heavy	ON-OFF-ON	Screw	3	50 a @ 6-24volts	Standard	Chrome	Single	Double
CTI65210	X-Heavy	ON-ON	Blade	6	10 a @ 277V; 20 a @ 125V	Bat	Nickel	Single	Single

Nylon Handle (with & without light)



Part #	Position Type	Terminal		Rating	Style	Handle		
		#	Type			Color	Pole	Throw
CTI65100	ON-OFF	2	Screw	35 a @ 12VDC	Decorator	Black	Single	Single
CTI65101	ON-OFF	2	Blade	35 a @ 12VDC	Bat	Black	Single	Single
CTI65102	ON-OFF	2	Screw	20 a @ 12VDC	Decorator	w/Light	Single	Single
CTI65103	ON-OFF	4	Screw	20 a @ 12VDC	Decorator	w/Light	Single	Single
CTI65104	MOM. ON-OFF-MOM. ON	3	Screw	35 a @ 12VDC	Decorator	Black	Single	Double
CTI65105	MOM. ON-OFF-MOM. ON	3	Blade	35 a @ 12VDC	Decorator	Black	Single	Double
CTI65106	ON-OFF-ON	5	Blade	20 a @ 12VDC	Decorator	w/Light	Single	Double
CTI65107	ON-OFF-ON	5	Blade	20 a @ 12VDC	Decorator	w/Light	Single	Double
CTI65114	ON-OFF-ON	6	Screw	35 a @ 12VDC	Bat	Black	Double	Double
CTI65115	ON-OFF-ON	6	Blade	35 a @ 12VDC	Decorator	Black	Double	Double
CTI65116	MOM. ON-OFF-MOM. ON	6	Screw	35 a @ 12VDC	Decorator	Black	Double	Double
CTI65117	MOM. ON-OFF-MOM. ON	6	Blade	35 a @ 12VDC	Bat	Black	Double	Double
CTI65120	ON-OFF	2	Blade	20 a @ 12VDC	Duckbill	Black	Single	Single
CTI65121	ON-OFF	3	Blade	20 a @ 12VDC	Duckbill	Black	Single	Single