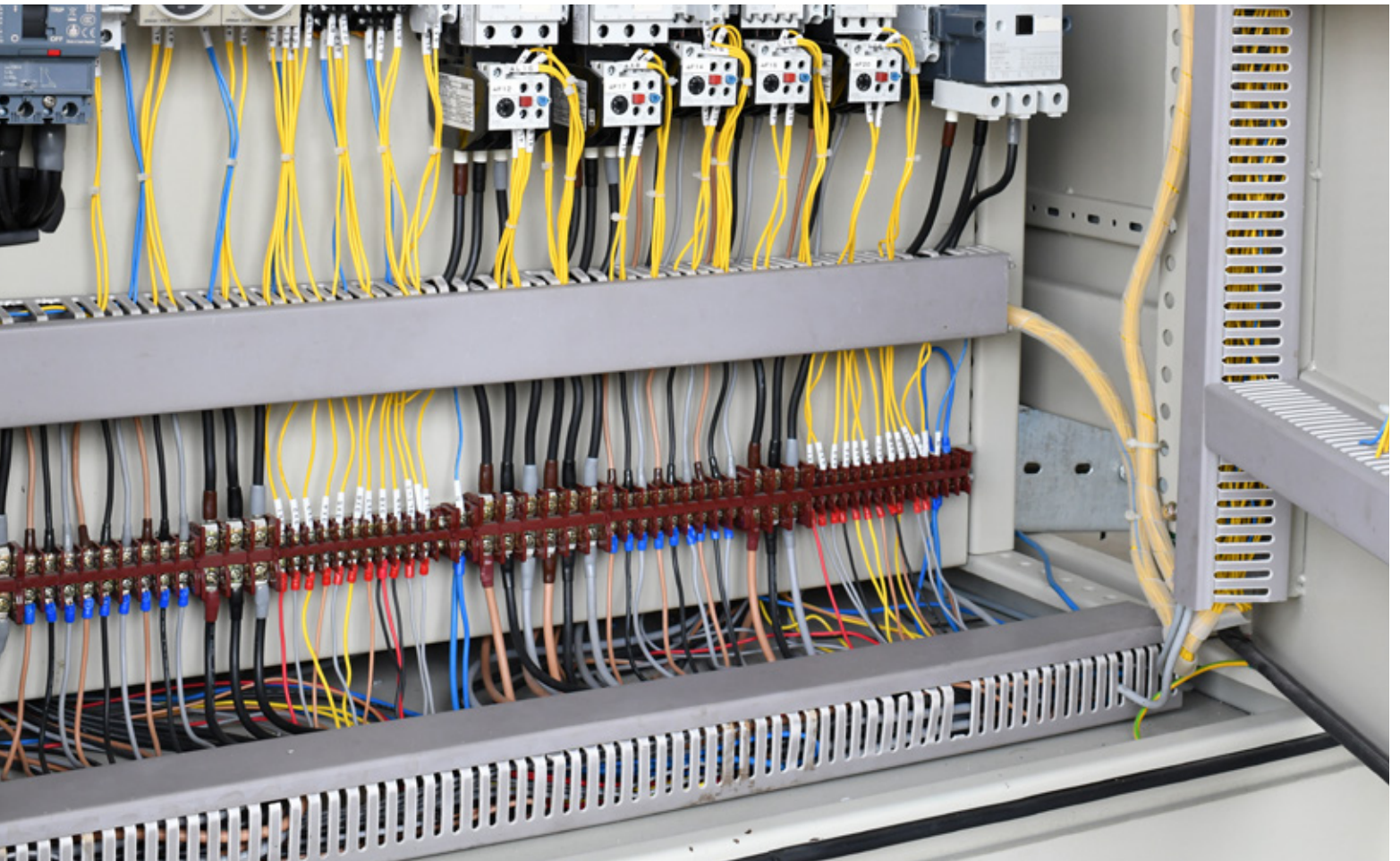


BROCHURE

Choose the right wire termination solution for any application

Sta-Kon | **Spec-Kon**






























Typical applications

- Panel building
- Original equipment manufacturing (OEM)
- Maintenance repair operations (MRO)
- Rail and aerospace
- Military

Sta-Kon® vs. Spec-Kon®

Terminals comparison

Feature	Benefit	Spec-Kon®	Sta-Kon®
Funnel-entry barrel	Easier insertion of wires		
Seamless tube sleeves (nylon)	Stronger crimp and wire insulation grip		
Stamped identification	Easy bolt and wire size identification		
Diverse packaging	Retail pack, bulk pack, tape and reel on Mylar to suit any application		
Electro-tin plating	Excellent corrosion resistance		
Hard brass construction (female disconnects)	Withstands repeated insertion of male tabs		
UL listed	When installed with recommended ABB Installation Products ergonomic tools		
Anti-rotational tongue	Terminals remain straight on terminal block		
Longer barrel length	More forgiving crimps		
Deeper internal serrations	Stronger pull-out resistance		
Selective annealing	Stronger tongue, higher conductivity crimps		
Electro-tin plating with brightener	Thick plating, higher corrosion resistance		
Silver solder (vinyl-insulated terminals)	Stronger brazed seams, highly conductive		
Overlapped seams (nylon-insulated terminals)	Allow for better crimps than butted seams		
Diverse plating options	Including tin, nickel, silver and gold		
Electrolytic tough-pitch copper construction (terminals and splices)	Oxygen-free pure copper for high conductivity		
Compound spring rail design (female disconnects)	Provides constant pressure even after multiple insertions of male tab for long-term dependable connections		
Mil-spec performance (nylon-insulated and non-insulated terminals)	Per the AS7928 wire crimp strength test standard		
First to gain military approval for pressure connections	Many styles available for military applications		
Exceed test specification requirements	For military, UL and CSA		

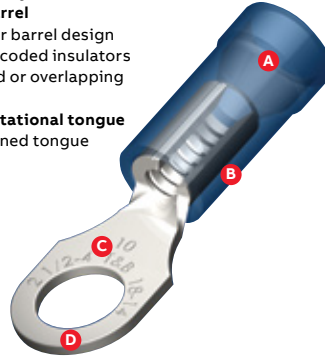
Sta-Kon® **VS.** **Spec-Kon®**

Sta-Kon® premium wire terminals

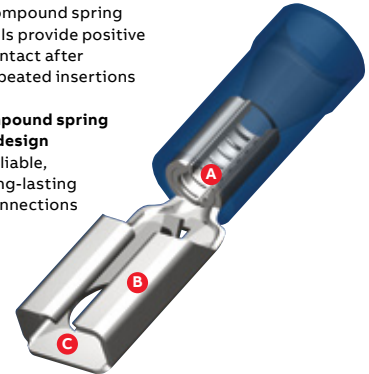
Superior terminals for superior connections

ABB Installation Products (formerly Thomas & Betts) developed the first solderless, tool-applied terminal in 1937 in response to industry awareness of the need for better performance of electrical systems. Today, Sta-Kon is the electrical industry's best-known brand of high-performance wire terminals, encompassing all types of nylon-insulated, vinyl-insulated and non-insulated terminals for wire sizes up to 250 kcmil, as well as disconnects, splices and ferrules.

- A** Funnel entry barrel
- B** Complete wire and stud size identification
- C** Selectively annealed long barrel
 - Longer barrel design
 - Color-coded insulators
 - Brazed or overlapping
- D** Anti-rotational tongue
 - Hardened tongue



- A** Deep internal serrations
- B** Electro-tin plating
 - Center reinforced spring detent for minimum insertion force
 - Compound spring rails provide positive contact after repeated insertions
- C** Compound spring rail design
 - Reliable, long-lasting connections



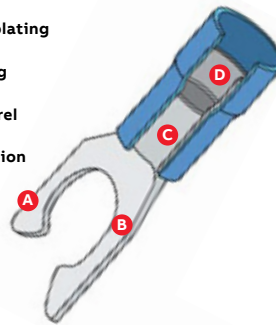
Experience the Sta-Kon advantage for yourself, and **see why professionals insist on genuine Sta-Kon terminals.**

Spec-Kon® wire terminals

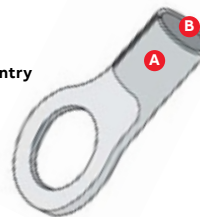
Offering quality, functionality and economy

ABB Installation Products' Spec-Kon brand terminals offer some but not all the high-performance features of Sta-Kon terminals.

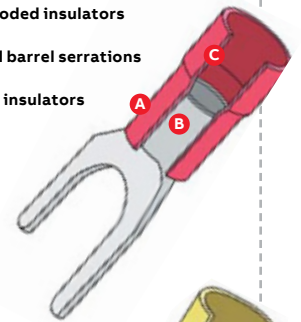
- A** Electro tin plating
- B** Size marking
- C** Sleeved barrel
- D** Male insulation sleeve



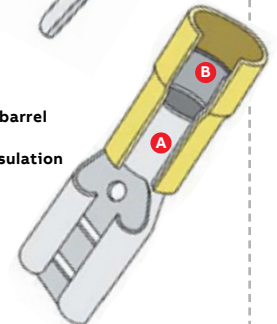
- A** Brazed seam
- B** Chamfered barrel entry



- A** Color-coded insulators
- B** Internal barrel serrations
- C** Molded insulators



- A** Sleeved barrel
- B** Metal insulation sleeve



Developed to offer a **lower-cost alternative** for applications involving a high number of terminations every day, such as in wiring harnesses, panelboards, telecommunications and the automotive industry.

Sta-Kon® terminals and splices



Superior terminals for superior connections

Terminals

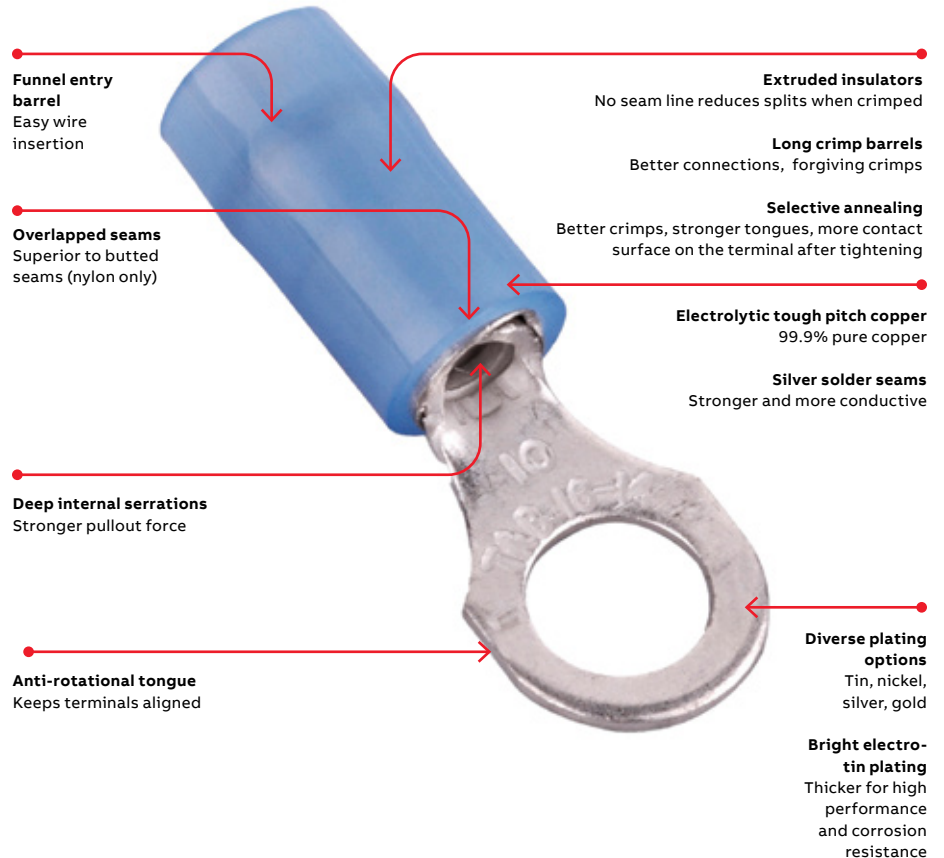
- Ring terminals
- Heavy-duty ring terminals
- Rectangular ring terminals
- Flag terminals
- Fork terminals
- Locking fork terminals
- Flanged fork terminals
- Pin terminals

Splices

- Parallel splices
- Butt splices
- Wire joints

Terminal and splice insulation types

- Vinyl-insulated
- Nylon-insulated
- Non-insulated
- Tefzel®-insulated
- Heat-shrink insulated



Ring terminals



Heavy-duty terminals



Rectangular terminals



Flag terminals



Fork terminals



Flanged fork terminals



Locking fork terminals



Pin terminals



Sta-Kon® disconnects and ferrules



Ferrules turn a **stranded** conductor into a **solid** one

Disconnects

- Female disconnects
- Male tabs
- Piggyback disconnects
- Flag disconnects
- Fully insulated disconnects
- Wristlock disconnects
- Adapters and couplers

Disconnect insulation types

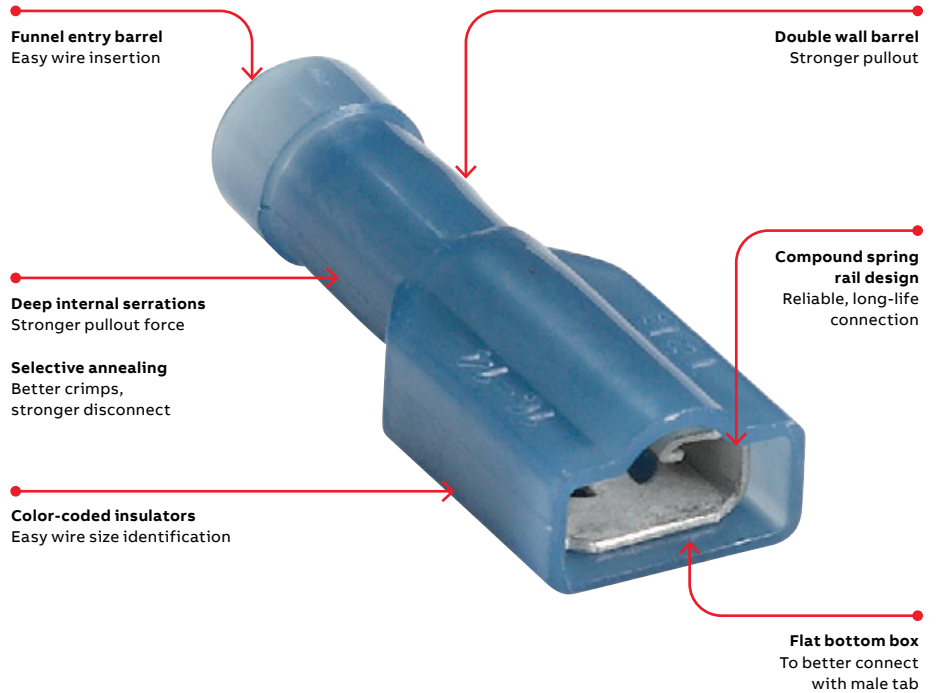
- Vinyl-insulated
- Nylon-insulated
- Non-insulated
- Heat-shrink insulated

Ferrules

- Single ferrules
- Twin ferrules

Ferrule insulation types

- Polypropylene-insulated
- Non-insulated



Female disconnects



Male tabs



Fully insulated disconnects



Piggyback disconnects



Wristlock disconnects



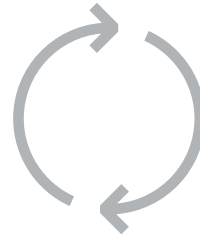
Adapters



Ferrules



Spec-Kon® terminals, splices and disconnects



Offering **quality**,
functionality
and **economy**

Terminals

- Ring terminals
- Fork terminals
- Blade terminals
- Pin terminals
- Cord end terminals



Splices

- Parallel splices
- Butt splices
- Quick splices



Disconnects

- Female disconnects
- Male tabs
- Piggyback disconnects
- Receptacle disconnects

Insulation types

- Non-insulated
- Vinyl-insulated
- Nylon-insulated



Application tools

Both Sta-Kon® and Spec-Kon® terminals are **UL listed when installed properly** using the recommended application tools from ABB Installation products.



Plier-type tools



Comfort Crimp® ergonomic ratchet-type tools



Battery-powered tools



Hydraulic crimp heads



Ferrule tools



Sta-Kon® STAKIT-PLUS

Get 775 nylon-insulated connectors with premium strip and crimp tools — all in one convenient kit.

The STAKIT-PLUS offers you genuine Sta-Kon® nylon-insulated ring terminals, butt splices and disconnects, along with the Comfort Crimp® ERG4001 crimp tool and ERG1-WS ergonomic stripping tool, in a lightweight case with ergonomic handle.



STAKIT-PLUS contains

Included connectors

Part no.	Description	Insulator color	Qty.	Wire size range
2RA18	Nylon-insulated butt splice	Red ■	100	#22–18
2RB14	Nylon-insulated butt splice	Blue ■	100	#16–14
2RC10	Nylon-insulated butt splice	Yellow ■	50	#12–10
18RA-251T	0.250 x 0.032 Nylon fully insulated male tab	Red ■	50	#22–18
14RB-251T	0.250 x 0.032 Nylon fully insulated male tab	Blue ■	50	#16–14
10RC-251T	0.250 x 0.032 Nylon fully insulated male tab	Yellow ■	25	#12–10
18RA-2577	0.250 x 0.032 Nylon fully insulated female disconnect	Red ■	50	#22–18
14RB-2577	0.250 x 0.032 Nylon fully insulated female disconnect	Blue ■	50	#16–14
10RC-2577	0.250 x 0.032 Nylon fully insulated female disconnect	Yellow ■	50	#12–10
RA18-10	#10 Nylon insulated ring terminal	Red ■	100	#22–16
RB14-10	#10 Nylon insulated ring terminal	Blue ■	100	#18–14
RC10-10	#10 Nylon insulated ring terminal	Yellow ■	50	#12–10

Note: Product must be installed in accordance with applicable national and local electrical codes.

Included tools

Part no.	Description
ERG4001	Crimp tool
ERG1-WS	Wire stripper

ABB Installation Products Inc.
Electrification Business
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Memphis, TN 38120

electrification.us.abb.com

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Learn more about Sta-Kon® wire termination



Learn more about Spec-Kon® wire termination

