Introduction

SEFCO WELD

Exothermic welding is most commonly used for permanently joining copper conductors. It is the only acceptable means of bonding copper to galvanized cable. It can also be used on stainless steel, cast iron, steel, brass, bronze, and more. If joining two dissimilar metals, exothermic welding is a good option. You'll find Exothermic welding under the names of Such as SEFCO





The SEFCOWELD Process

SEFCOWELD exothermic welding is a cost efficient method of making large or small numbers of high quality electrical connections. It is a simple, self-contained system that uses the high temperature reaction of powdered copper oxide and aluminium, with in a mould, to form permanent electrical connections.

Typical applications include:

- Earthing for power plants and substations
- Telecommunications
- Transmission and power distribution lines
- Grounding Lightning
- Cathodic protection
- Rail connections



The SEFCOWELD System:

- Requires no external power or heat source
- Creates high quality electrical connections
- Is completely portable
- Can be used safely with
- Used in traditional exothermic welding.

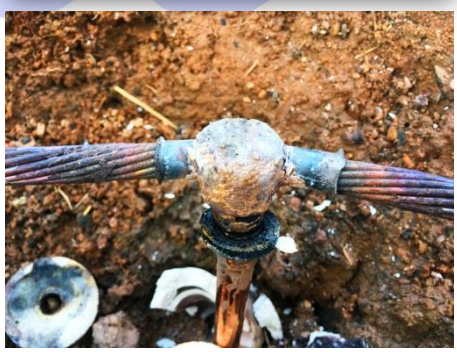


The SEFCOWELD Connection

SEFCOWELD connections have several adventages:

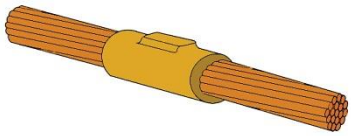
- Tolerant to repeated fault currents
- Highly conductive
- Excellent corrosion resistance
- It has a superior electrical conductivity than the conductors themselves.
- It does not corrode oxide or degrade with time and is resistant to galvanic coupling.
- It is able to withstand repeated electrical discharges.
- It never increases its resistance.
- It has higher mechanical and squeezing resistance than the conductors themselves.
- It offers a permanent welding and a low resistance connection, essential for achieving longwearing and trustworthy



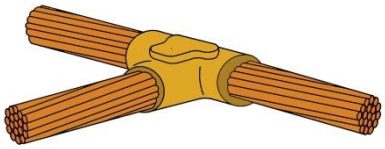


Connection selector

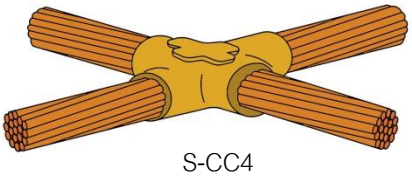
Cable to Cable



S-CC2

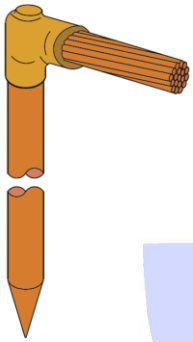


S-CC3

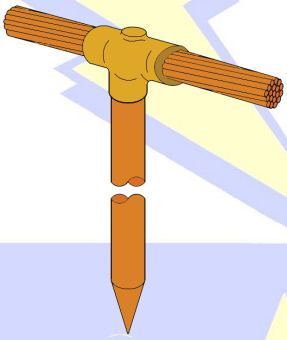


S-CC4

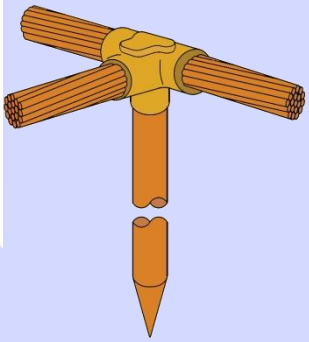
Cable to Ground Rod



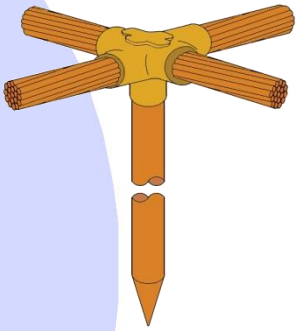
S-CR1



S-CR2



S-CR3

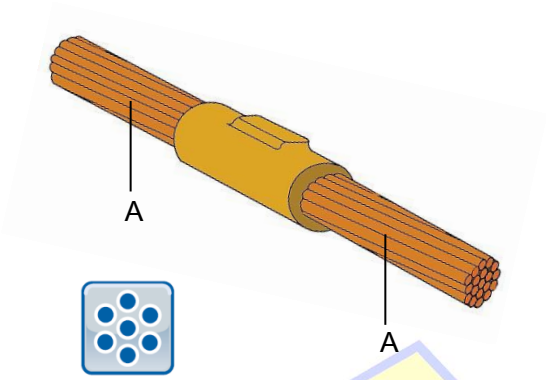


S-CR4



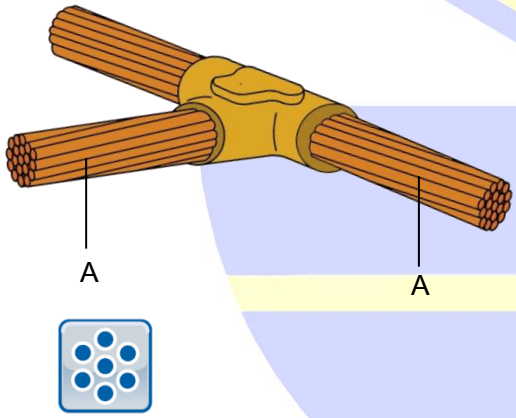


Cable to Cable S-CC2 — SEFCO Exothermic Weld



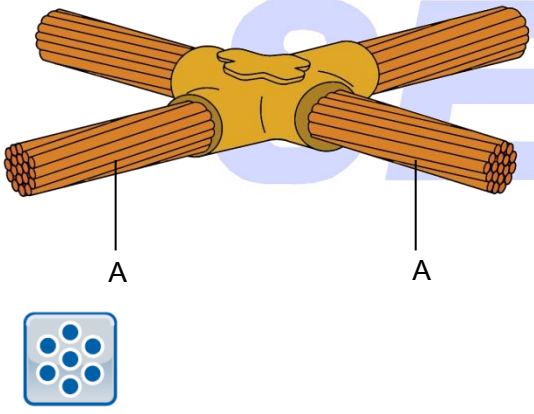
Type	A (mm²)	Metal Powder (g)
S-CC2-16	16	25
S-CC2-25	25	32
S-CC2-35	35	32
S-CC2-50	50	45
S-CC2-70	70	65
S-CC2-95	95	90
S-CC2-120	120	115
S-CC2-150	150	130
S-CC2-185	185	150

Cable to Cable S-CC3 — SEFCO Exothermic Weld



Type	A (mm²)	Metal Powder (g)
S-CC3-16	16	32
S-CC3-25	25	45
S-CC3-35	35	45
S-CC3-50	50	90
S-CC3-70	70	90
S-CC3-95	95	115
S-CC3-120	120	150
S-CC3-150	150	200
S-CC3-185	185	200

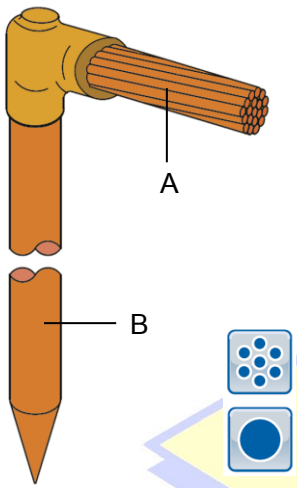
Cable to Cable S-CC3 — SEFCO Exothermic Weld



Type	A (mm²)	Metal Powder (g)
S-CC4-16	16	32
S-CC4-25	25	45
S-CC4-35	35	45
S-CC4-50	50	90
S-CC4-70	70	90
S-CC4-95	95	115
S-CC4-120	120	150
S-CC4-150	150	200
S-CC4-185	185	200

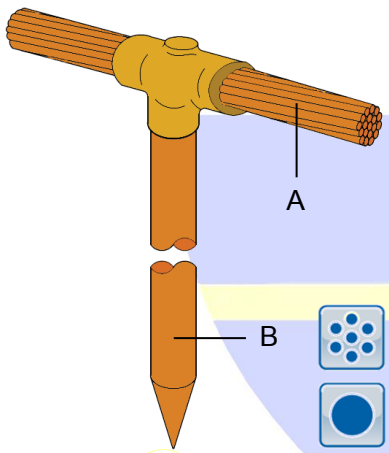
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ISO 9001 9001 : 2015

Cable to Ground Rod S-CR1 — SEFCO Exothermic Welding



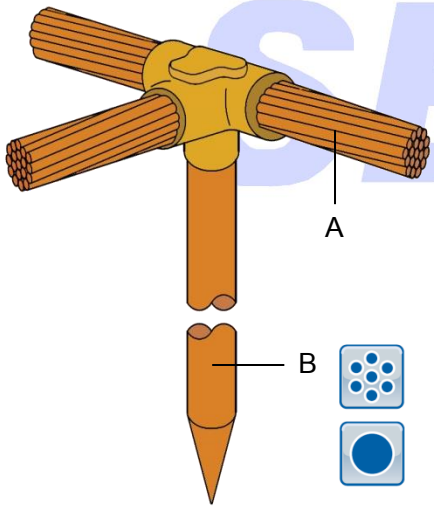
Type	A (mm²)	B (inch)	Metal Powder (g)
S-CR1-16	16	5/8	65
S-CR1-25	25	5/8	65
S-CR1-35	35	5/8	65
S-CR1-50	50	5/8	90
S-CR1-70	70	5/8	90
S-CR1-95	95	5/8	90
S-CR1-120	120	5/8	90
S-CR1-150	150	5/8	115
S-CR1-185	185	5/8	150

Cable to Ground Rod S-CR2 — SEFCO Exothermic Welding



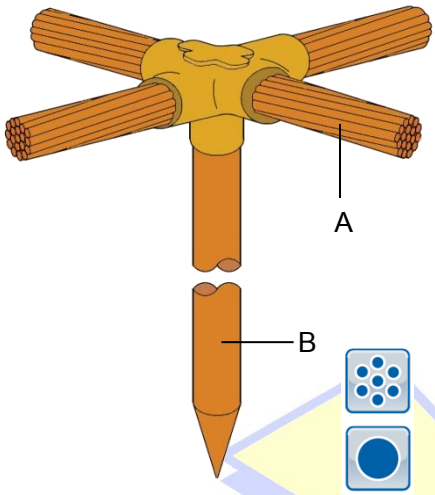
Type	A (mm²)	B (inch)	Metal Powder (g)
S-CR2-16	16	5/8	65
S-CR2-25	25	5/8	90
S-CR2-35	35	5/8	90
S-CR2-50	50	5/8	90
S-CR2-70	70	5/8	115
S-CR2-95	95	5/8	115
S-CR2-120	120	5/8	150
S-CR2-150	150	5/8	200
S-CR2-185	185	5/8	200

Cable to Ground Rod S-CR2 — SEFCO Exothermic Welding



Type	A (mm²)	B (inch)	Metal Powder (g)
S-CR3-16	16	5/8	65
S-CR3-25	25	5/8	90
S-CR3-35	35	5/8	90
S-CR3-50	50	5/8	115
S-CR3-70	70	5/8	115
S-CR3-95	95	5/8	150
S-CR3-120	120	5/8	150
S-CR3-150	150	5/8	200
S-CR3-185	185	5/8	250

Cable to Ground Rod S-CR4



Type	A (mm²)	B (inch)	Metal Powder (g)
S-CR3-16	16	5/8	90
S-CR3-25	25	5/8	90
S-CR3-35	35	5/8	90
S-CR3-50	50	5/8	115
S-CR3-70	70	5/8	115
S-CR3-95	95	5/8	150
S-CR3-120	120	5/8	200
S-CR3-150	150	5/8	250
S-CR3-185	185	5/8	250

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