

# Exothermic Welding Material

## Overview

The welding process utilizes the high temperature of the reaction between copper oxide and aluminium. The reaction takes place in a graphite mould/crucible, into which the pieces to be welded have been inserted; the melted metal from the aluminothermic reaction flows over the pieces, causing them to melt and fuse into a solid homogeneous mass.

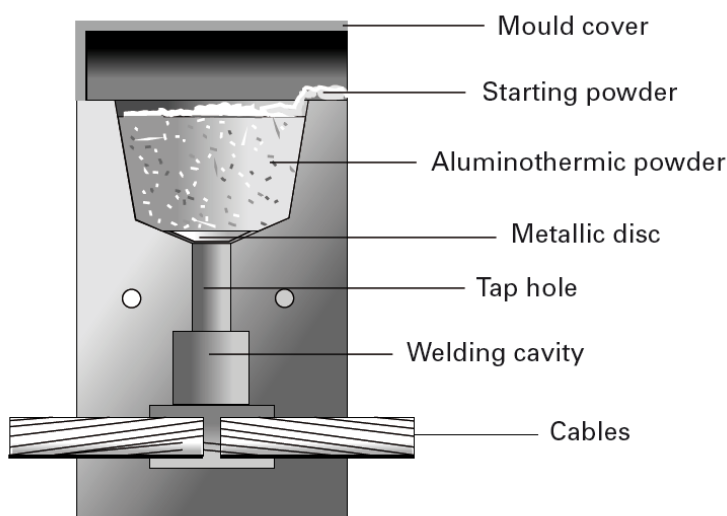
The reaction is so quick that the pieces to be welded get a lower temperature, on the zone around the welding point, than that arising when using other process. This is an important fact for protecting insulated cables or the physical characteristics of the pieces to be welded.

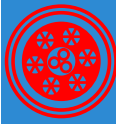
This process may also be used in addition to welding copper to copper, Eg. connections between copper and other materials.

The connection is a perfect molecular weld and not just a mechanical contact. The alloy used has practically the same fusion temperature as that of copper and usually has a section double than that of the conductors to be welded, therefore:

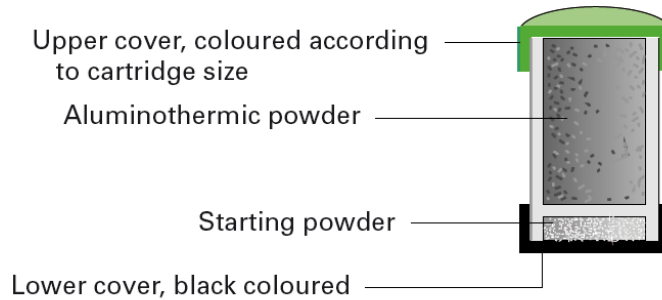
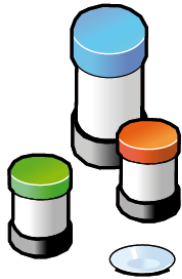
- Connections are not affected by high current surges. The electrical conductors will melt before the connection when subject to high shortcircuit current.
- Connection conductivity is at least equal or greater than the conductors welded.
- There is no possibility of corrosion at the point of the weld, since the conductors become an integral part of the connection

## » MOULD





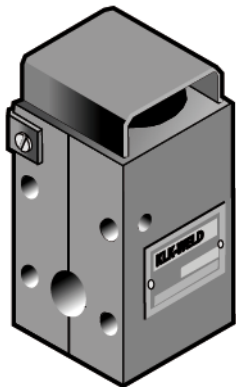
### » Cartridges



Each plastic container holds the aluminothermic powder at one end (coloured cover) and the starting powder at the other one (black cover). The disc is used to seal the tap hole before depositing the load.

### » Equipment

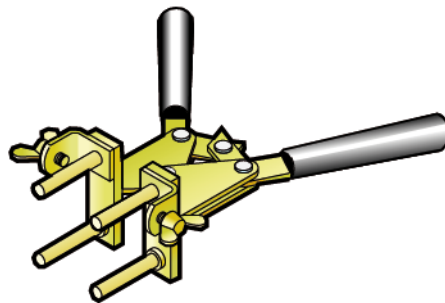
#### MOULDS



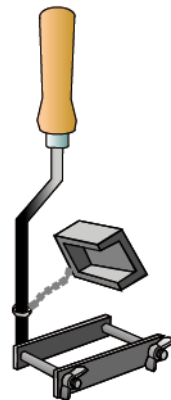
The moulds are manufactured from a heat-resistant material (graphite) block that lasts for an average of 70-100 connections under normal conditions of use.

The metallic cover protects from the reaction projections

#### HANDLE CLAMPS



They are designed to handle the moulds allowing to open and close them safely.



It is designed to fit Moulds manufactured from a solid piece of graphite, specially those used to weld steel pieces.

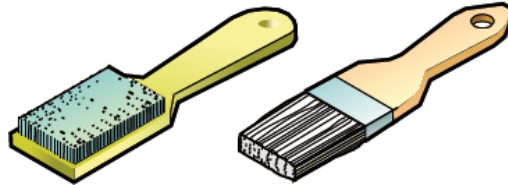
## Exothermic Welding Material

FLINT IGNITER



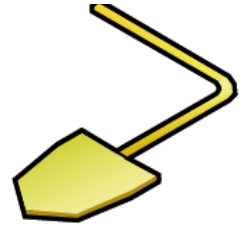
Used to ignite the ignition powder. It takes normal lighter flints as spare parts.

CARDCLOTH BRUSH



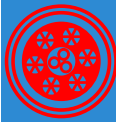
Used for the correct cleaning of cables to be welded.  
For cleaning the interior of the mould after each weld.

MOULD SCRAPER

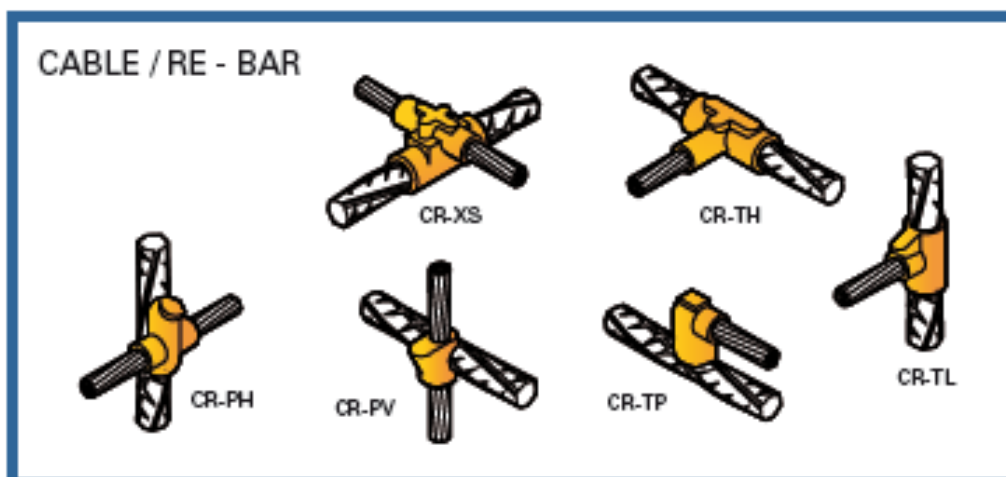
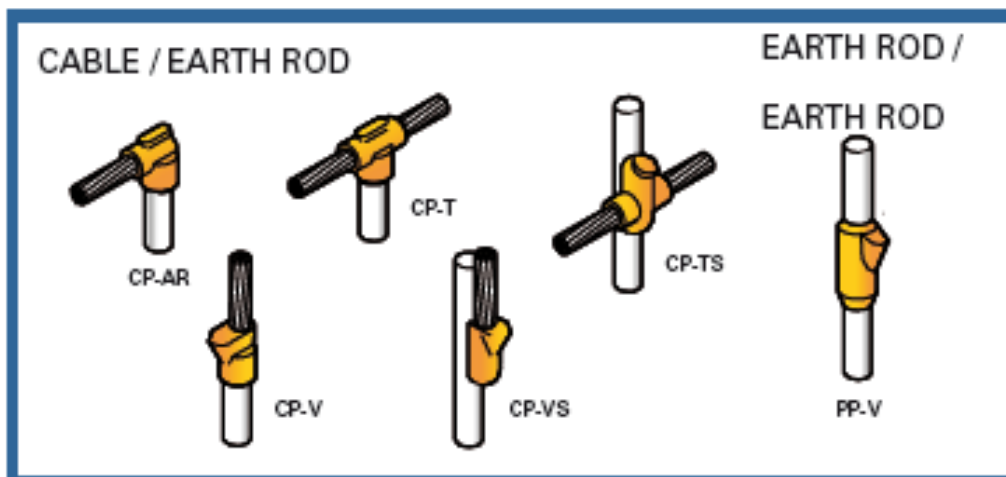
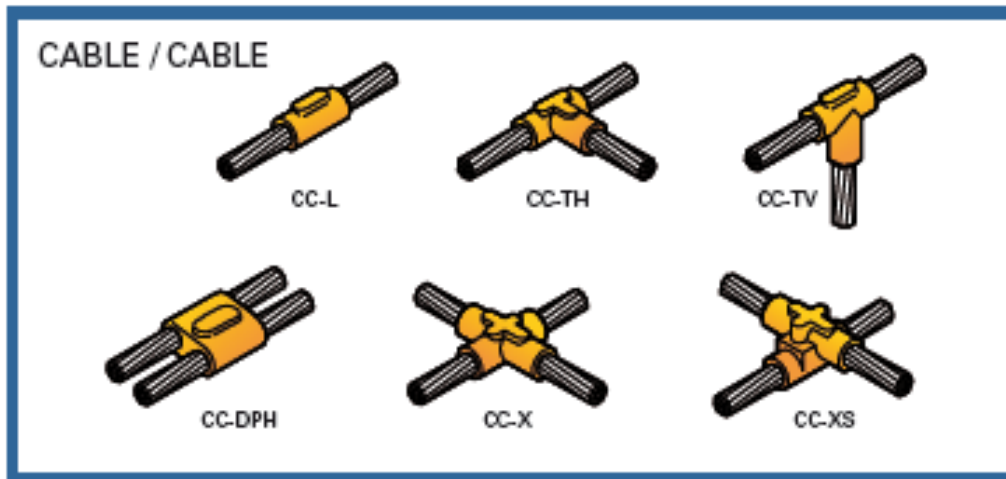


Its shape is specially designed to clean the mould loading hopper

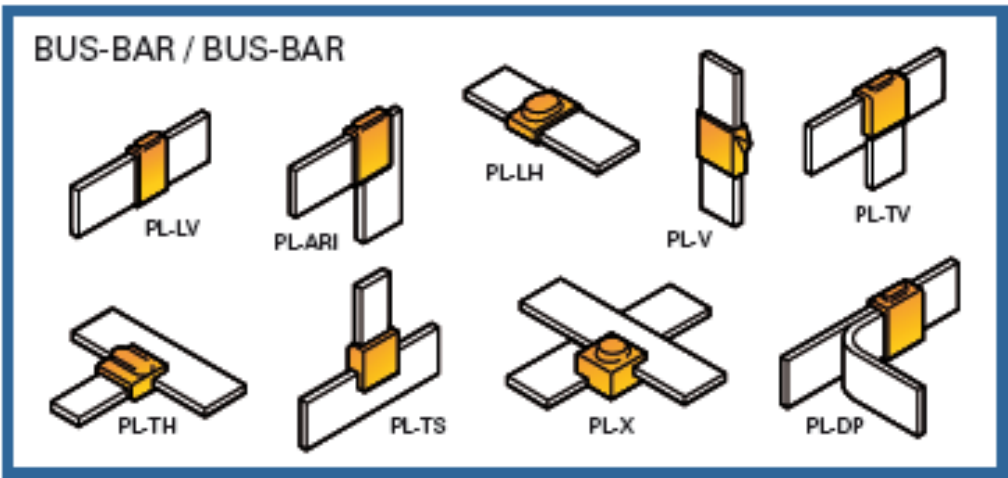
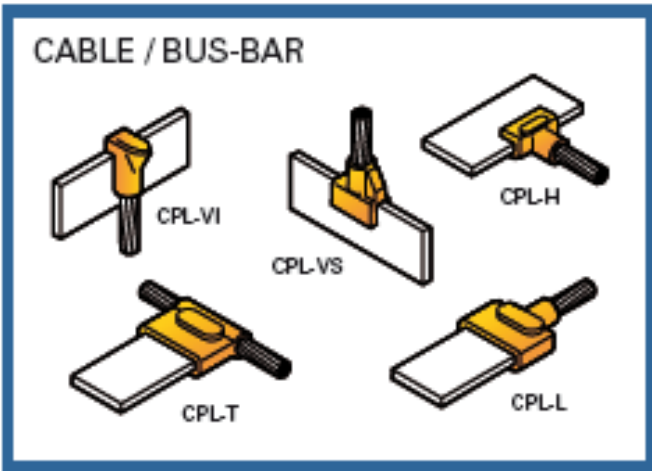
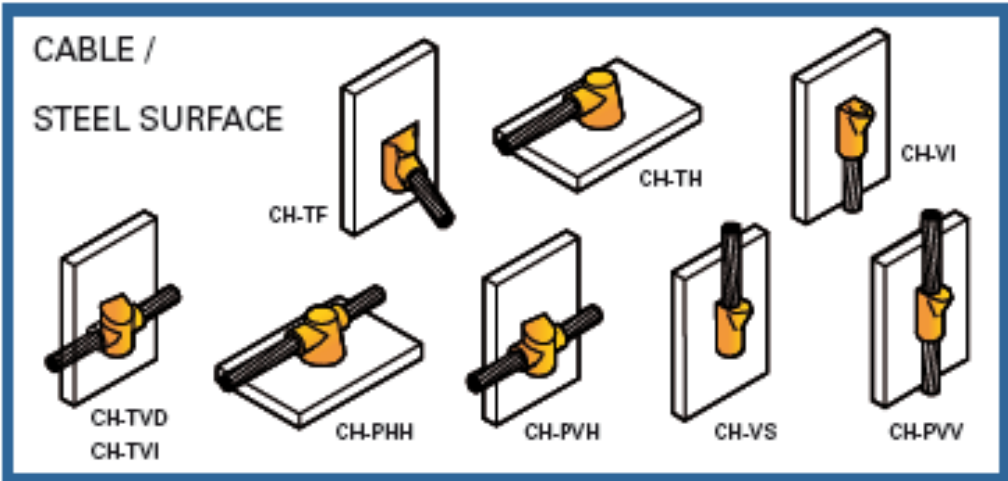


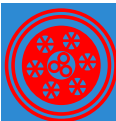


### » Standard Connection



# Exothermic Welding Material





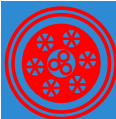
### CONNECTION CC-TH



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
25	25	CC-TH 25/25	#45
	35	CC-TH 25/35	#45
	50	CC-TH 25/50	#45
35	25	CC-TH 35/25	#45
	35	CC-TH 35/35	#45
	50	CC-TH 35/50	#65
	70	CC-TH 35/70	#65
50	25	CC-TH 50/25	#65
	35	CC-TH 50/35	#65
	50	CC-TH 50/50	#90
	70	CC-TH 50/70	#90
	95	CC-TH 50/95	#90
70	25	CC-TH 70/25	#65
	35	CC-TH 70/35	#65
	50	CC-TH 70/50	#90
	70	CC-TH 70/70	#90
	95	CC-TH 70/95	#90
	120	CC-TH 70/120	#115

## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
95	25	CC-TH 95/25	#90
	35	CC-TH 95/35	#90
	50	CC-TH 95/50	#90
	70	CC-TH 95/70	#90
	95	CC-TH 95/95	#115
	120	CC-TH 95/120	#115
	150	CC-TH 95/150	#115
120	25	CC-TH 120/25	#90
	35	CC-TH 120/35	#90
	50	CC-TH 120/50	#90
	70	CC-TH 120/70	#115
	95	CC-TH 120/95	#115
	120	CC-TH 120/120	#150
	150	CC-TH 120/150	#150
	185	CC-TH 120/185	#200
150	25	CC-TH 150/25	#90
	35	CC-TH 150/35	#115
	50	CC-TH 150/50	#115
	70	CC-TH 150/70	#115
	95	CC-TH 150/95	#115
	120	CC-TH 150/120	#150
	150	CC-TH 150/150	#200
	185	CC-TH 150/185	#200
	240	CC-TH 150/240	#200



# Caledonian

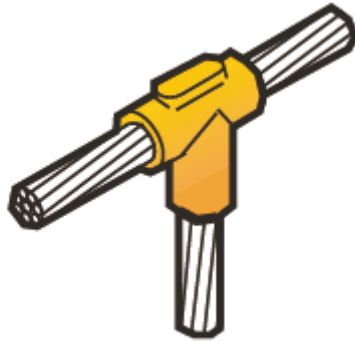
## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
185	25	CC-TH 185/25	#115
	35	CC-TH 185/35	#115
	50	CC-TH 185/50	#115
	70	CC-TH 185/70	#150
	95	CC-TH 185/95	#150
	120	CC-TH 185/120	#200
	150	CC-TH 185/150	#200
	185	CC-TH 185/185	#200
	240	CC-TH 185/240	#250
240	25	CC-TH 240/25	#115
	35	CC-TH 240/35	#115
	50	CC-TH 240/50	#150
	70	CC-TH 240/70	#150
	95	CC-TH 240/95	#200
	120	CC-TH 240/120	#200
	150	CC-TH 240/150	#200
	185	CC-TH 240/185	#250
	240	CC-TH 240/240	2 x #150

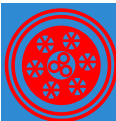


# Exothermic Welding Material

## CONNECTION CC-TV



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
25	25	CC-TV 25/25	#45
	35	CC-TV 25/35	#45
	50	CC-TV 25/50	#45
35	25	CC-TV 35/25	#45
	35	CC-TV 35/35	#45
	50	CC-TV 35/50	#65
	70	CC-TV 35/70	#65
50	25	CC-TV 50/25	#45
	35	CC-TV 50/35	#65
	50	CC-TV 50/50	#90
	70	CC-TV 50/70	#90
	95	CC-TV 50/95	#90
70	25	CC-TV 70/25	#65
	35	CC-TV 70/35	#65
	50	CC-TV 70/50	#90
	70	CC-TV 70/70	#90
	95	CC-TV 70/95	#90
	120	CC-TV 70/120	#115



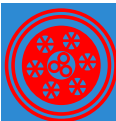
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## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
95	25	CC-TV 95/25	#90
	35	CC-TV 95/35	#90
	50	CC-TV 95/50	#90
	70	CC-TV 95/70	#90
	95	CC-TV 95/95	#115
	120	CC-TV 95/120	#115
	150	CC-TV 95/150	#115
120	25	CC-TV 120/25	#90
	35	CC-TV 120/35	#90
	50	CC-TV 120/50	#90
	70	CC-TV 120/70	#115
	95	CC-TV 120/95	#115
	120	CC-TV 120/120	#150
	150	CC-TV 120/150	#150
	185	CC-TV 120/185	#150
150	25	CC-TV 150/25	#90
	35	CC-TV 150/35	#115
	50	CC-TV 150/50	#115
	70	CC-TV 150/70	#115
	95	CC-TV 150/95	#115
	120	CC-TV 150/120	#150
	150	CC-TV 150/150	#200
	185	CC-TV 150/185	#200
	240	CC-TV 150/240	#200

## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
185	25	CC-TV 185/25	#115
	35	CC-TV 185/35	#115
	50	CC-TV 185/50	#115
	70	CC-TV 185/70	#150
	95	CC-TV 185/95	#150
	120	CC-TV 185/120	#150
	150	CC-TV 185/150	#200
	185	CC-TV 185/185	#200
	240	CC-TV 185/240	#250
240	25	CC-TV 240/25	#115
	35	CC-TV 240/35	#115
	50	CC-TV 240/50	#150
	70	CC-TV 240/70	#150
	95	CC-TV 240/95	#200
	120	CC-TV 240/120	#200
	150	CC-TV 240/150	#200
	185	CC-TV 240/185	#250
	240	CC-TV 240/240	2 x #150



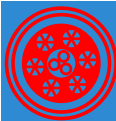
### CONNECTION CC-DPH



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
25	25	CC-DPH 25/25	#65
	35	CC-DPH 25/35	#65
	50	CC-DPH 25/50	#90
	70	CC-DPH 25/70	#90
	95	CC-DPH 25/95	#90
	120	CC-DPH 25/120	#115
35	25	CC-DPH 35/25	#65
	35	CC-DPH 35/35	#90
	50	CC-DPH 35/50	#90
	70	CC-DPH 35/70	#90
	95	CC-DPH 35/95	#115
	120	CC-DPH 35/120	#115
	150	CC-DPH 35/150	#115
50	25	CC-DPH 50/25	#90
	35	CC-DPH 50/35	#90
	50	CC-DPH 50/50	#90
	70	CC-DPH 50/70	#90
	95	CC-DPH 50/95	#115
	120	CC-DPH 50/120	#150
	150	CC-DPH 50/150	#150
	185	CC-DPH 50/185	#150

## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
70	25	CC-DPH 70/25	#90
	35	CC-DPH 70/35	#90
	50	CC-DPH 70/50	#90
	70	CC-DPH 70/70	#115
	95	CC-DPH 70/95	#150
	120	CC-DPH 70/120	#150
	150	CC-DPH 70/150	#200
	185	CC-DPH 70/185	#200
	240	CC-DPH 70/240	#250
95	25	CC-DPH 95/25	#90
	35	CC-DPH 95/35	#115
	50	CC-DPH 95/50	#115
	70	CC-DPH 95/70	#150
	95	CC-DPH 95/95	#150
	120	CC-DPH 95/120	#200
	150	CC-DPH 95/150	#200
	185	CC-DPH 95/185	#250
	240	CC-DPH 95/240	2x#150
120	25	CC-DPH 120/25	#115
	35	CC-DPH 120/35	#115
	50	CC-DPH 120/50	#150
	70	CC-DPH 120/70	#150
	95	CC-DPH 120/95	#200
	120	CC-DPH 120/120	#200
	150	CC-DPH 120/150	#200
	185	CC-DPH 120/185	#250
	240	CC-DPH 120/240	2x#150



# Caledonian

## Exothermic Welding Material

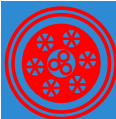
Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
150	35	CC-DPH 150/35	#115
	50	CC-DPH 150/50	#150
	70	CC-DPH 150/70	#200
	95	CC-DPH 150/95	#200
	120	CC-DPH 150/120	#250
	150	CC-DPH 150/150	#250
	185	CC-DPH 150/185	2x#150
	240	CC-DPH 150/240	2x#200
185	35	CC-DPH 185/35	#200
	50	CC-DPH 185/50	#250
	70	CC-DPH 185/70	#200
	95	CC-DPH 185/95	#250
	120	CC-DPH 185/120	#250
	150	CC-DPH 185/150	#250
	185	CC-DPH 185/185	#250
	240	CC-DPH 185/240	2x#150
240	50	CC-DPH 240/50	#200
	70	CC-DPH 240/70	#250
	95	CC-DPH 240/95	2x#150
	120	CC-DPH 240/120	2x#150
	150	CC-DPH 240/150	2x#200
	185	CC-DPH 240/185	2x#150
	240	CC-DPH 240/240	2x#250

# Exothermic Welding Material

## CONNECTION CC-X



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
25	25	CC-X 25/25	#65
	35	CC-X 25/35	#65
	50	CC-X 25/50	#90
	70	CC-X 25/70	#90
	95	CC-X 25/95	#90
	120	CC-X 25/120	#115
35	25	CC-X 35/25	#65
	35	CC-X 35/35	#90
	50	CC-X 35/50	#90
	70	CC-X 35/70	#90
	95	CC-X 35/95	#115
	120	CC-X 35/120	#115
	150	CC-X 35/150	#115
50	25	CC-X 50/25	#90
	35	CC-X 50/35	#90
	50	CC-X 50/50	#90
	70	CC-X 50/70	#90
	95	CC-X 50/95	#115
	120	CC-X 50/120	#150
	150	CC-X 50/150	#150
	185	CC-X 50/185	#150



# Caledonian

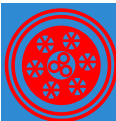
## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
70	25	CC-X 70/25	#90
	35	CC-X 70/35	#90
	50	CC-X 70/50	#90
	70	CC-X 70/70	#115
	95	CC-X 70/95	#150
	120	CC-X 70/120	#150
	150	CC-X 70/150	#200
	185	CC-X 70/185	#200
	240	CC-X 70/240	#200
95	25	CC-X 95/25	#90
	35	CC-X 95/35	#115
	50	CC-X 95/50	#115
	70	CC-X 95/70	#150
	95	CC-X 95/95	#150
	120	CC-X 95/120	#200
	150	CC-X 95/150	#200
	185	CC-X 95/185	#200
	240	CC-X 95/240	#250
120	25	CC-X 120/25	#115
	35	CC-X 120/35	#115
	50	CC-X 120/50	#150
	70	CC-X 120/70	#150
	95	CC-X 120/95	#200
	120	CC-X 120/120	#200
	150	CC-X 120/150	#200
	185	CC-X 120/185	#250
	240	CC-X 120/240	2x#150

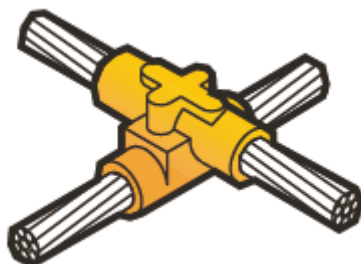


## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
150	35	CC-X 150/35	#115
	50	CC-X 150/50	#150
	70	CC-X 150/70	#200
	95	CC-X 150/95	#200
	120	CC-X 150/120	#200
	150	CC-X 150/150	#250
	185	CC-X 150/185	2x#150
	240	CC-X 150/240	2x#200
185	35	CC-X 185/35	#200
	50	CC-X 185/50	#150
	70	CC-X 185/70	#200
	95	CC-X 185/95	#250
	120	CC-X 185/120	#250
	150	CC-X 185/150	2x#150
	185	CC-X 185/185	#250
	240	CC-X 185/240	2x#150
240	50	CC-X 240/50	#200
	70	CC-X 240/70	#200
	95	CC-X 240/95	#250
	120	CC-X 240/120	2x#150
	150	CC-X 240/150	2x#200
	185	CC-X 240/185	2x#200
	240	CC-X 240/240	2x#250



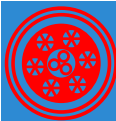
### CONNECTION CC-XS



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
25	25	CC-XS 25/25	#90
	35	CC-XS 25/35	#115
	50	CC-XS 25/50	#115
	70	CC-XS 25/70	#115
	95	CC-XS 25/95	#150
	120	CC-XS 25/120	#150
	150	CC-XS 25/150	#200
	185	CC-XS 25/185	#200
	240	CC-XS 25/240	#200
35	25	CC-XS 35/25	#115
	35	CC-XS 35	#115
	50	CC-XS 35/50	#115
	70	CC-XS 35/70	#150
	95	CC-XS 35/95	#150
	120	CC-XS 35/120	#200
	150	CC-XS 35/150	#200
	185	CC-XS 35/185	#200
	240	CC-XS 35/240	#250

## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
50	25	CC-XS 50/25	#115
	35	CC-XS 50/35	#115
	50	CC-XS 50/50	#150
	70	CC-XS 50/70	#150
	95	CC-XS 50/95	#200
	120	CC-XS 50/120	#200
	150	CC-XS 50/150	#200
	185	CC-XS 50/185	#250
	240	CC-XS 50/240	2x#150
70	35	CC-XS 70/35	#150
	50	CC-XS 70/50	#150
	70	CC-XS 70/70	#200
	95	CC-XS 70/95	#200
	120	CC-XS 70/120	#250
	150	CC-XS 70/150	#250
	185	CC-XS 70/185	2x#150
	240	CC-XS 70/240	2x#200
95	35	CC-XS 95/35	#150
	50	CC-XS 95/50	#200
	70	CC-XS 95/70	#200
	95	CC-XS 95/95	#250
	120	CC-XS 95/120	2x#150
	150	CC-XS 95/150	2x#150
	185	CC-XS 95/185	2x#150
	240	CC-XS 95/240	2x#200
120	50	CC-XS 120/50	#200
	70	CC-XS 120/70	#250
	95	CC-XS 120/95	2x#150
	120	CC-XS 120/120	2x#150
	150	CC-XS 120/150	2x#200
	185	CC-XS 120/185	2x#250
	240	CC-XS 120/240	2x#250



# Caledonian

## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
150	50	CC-XS 150/50	#200
	70	CC-XS 150/70	#250
	95	CC-XS 150/95	2x#150
	120	CC-XS 150/120	2x#200
	150	CC-XS 150/150	2x#200
	185	CC-XS 150/185	2x#250
	240	CC-XS 150/240	2x#250
185	70	CC-XS 185/70	2x#150
	95	CC-XS 185/95	2x#150
	120	CC-XS 185/120	2x#250
	150	CC-XS 185/150	2x#250
	185	CC-XS 185/185	2x#250

# Exothermic Welding Material

## CONNECTION CP-AR



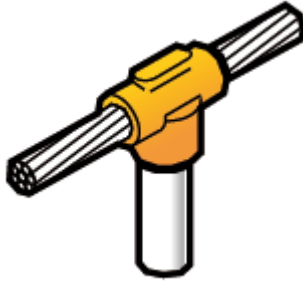
Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
143	25	CP-AR 143/25	#65
	35	CP-AR 143/35	#65
	50	CP-AR 143/50	#90
	70	CP-AR 143/70	#90
	95	CP-AR 143/95	#90
	120	CP-AR 143/120	#90
	150	CP-AR 143/150	#115
	185	CP-AR 143/185	#115
	240	CP-AR 143/240	#150
146	25	CP-AR 146/25	#65
	35	CP-AR 146/35	#65
	50	CP-AR 146/50	#90
	70	CP-AR 146/70	#90
	95	CP-AR 146/95	#90
	120	CP-AR 146/120	#90
	150	CP-AR 146/150	#115
	185	CP-AR 146/185	#115
	240	CP-AR 146/240	#150



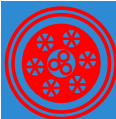
Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
58	25	CP-AR 58/25	#65
	35	CP-AR 58/35	#65
	50	CP-AR 58/50	#90
	70	CP-AR 58/70	#90
	95	CP-AR 58/95	#90
	120	CP-AR 58/120	#90
	150	CP-AR 58/150	#115
	185	CP-AR 58/185	#115
	240	CP-AR 58/240	#150
183	25	CP-AR 183/25	#90
	35	CP-AR 183/35	#90
	50	CP-AR 183/50	#90
	70	CP-AR 183/70	#90
	95	CP-AR 183/95	#90
	120	CP-AR 183/120	#90
	150	CP-AR 183/150	#115
	185	CP-AR 183/185	#115
	240	CP-AR 183/240	#150
34	25	CP-AR 34/25	#90
	35	CP-AR 34/35	#90
	50	CP-AR 34/50	#90
	70	CP-AR 34/70	#90
	95	CP-AR 34/95	#90
	120	CP-AR 34/120	#90
	150	CP-AR 34/150	#115
	185	CP-AR 34/185	#115
	240	CP-AR 34/240	#150

# Exothermic Welding Material

## CONNECTION CP-T



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
143	25	CP-T 143/25	#90
	35	CP-T 143/35	#90
	50	CP-T 143/50	#90
	70	CP-T 143/70	#115
	95	CP-T 143/95	#115
	120	CP-T 143/120	#150
	150	CP-T 143/150	#200
	185	CP-T 143/185	#200
	240	CP-T 143/240	#250
	146	25	CP-T 146/25
35		CP-T 146/35	#90
50		CP-T 146/50	#90
70		CP-T 146/70	#115
95		CP-T 146/95	#115
120		CP-T 146/120	#150
150		CP-T 146/150	#200
185		CP-T 146/185	#200
240		CP-T 146/240	#250



# Caledonian

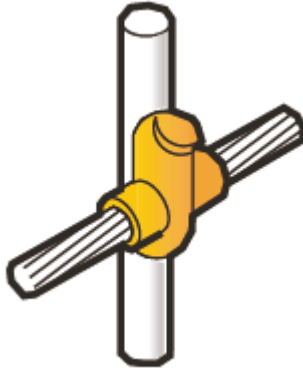
## Exothermic Welding Material

Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
58	25	CP-T 58/25	#90
	35	CP-T 58/35	#90
	50	CP-T 58/50	#90
	70	CP-T 58/70	#115
	95	CP-T 58/95	#115
	120	CP-T 58/120	#150
	150	CP-T 58/150	#200
	185	CP-T 58/185	#200
	240	CP-T 58/240	#250
183	25	CP-T 183/25	#90
	35	CP-T 183/35	#90
	50	CP-T 183/50	#115
	70	CP-T 183/70	#115
	95	CP-T 183/95	#115
	120	CP-T 183/120	#150
	150	CP-T 183/150	#200
	185	CP-T 183/185	#200
	240	CP-T 183/240	#250
	300	CP-T 183/300	2x#200
	34	25	CP-T 34/25
35		CP-T 34/35	#90
50		CP-T 34/50	#115
70		CP-T 34/70	#115
95		CP-T 34/95	#115
120		CP-T 34/120	#150
150		CP-T 34/150	#200
185		CP-T 34/185	#200
240		CP-T 34/240	#250

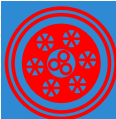


# Exothermic Welding Material

## CONNECTION CP-TS



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
143	25	CP-TS 143/25	#90
	35	CP-TS 143/35	#90
	50	CP-TS 143/50	#115
	70	CP-TS 143/70	#115
	95	CP-TS 143/95	#115
	120	CP-TS 143/120	#150
	150	CP-TS 143/150	#150
	185	CP-TS 143/185	#250
	240	CP-TS 143/240	2x#200
146	25	CP-TS 146/25	#90
	35	CP-TS 146/35	#90
	50	CP-TS 146/50	#115
	70	CP-TS 146/70	#115
	95	CP-TS 146/95	#115
	120	CP-TS 146/120	#150
	150	CP-TS 146/150	#150
	185	CP-TS 146/185	#250
	240	CP-TS 146/240	2x#200



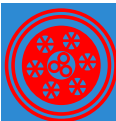
Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
58	25	CP-TS 58/25	#90
	35	CP-TS 58/35	#90
	50	CP-TS 58/50	#115
	70	CP-TS 58/70	#115
	95	CP-TS 58/95	#115
	120	CP-TS 58/120	#150
	150	CP-TS 58/150	#150
	185	CP-TS 58/185	#250
	240	CP-TS 58/240	2x#200
183	25	CP-TS 183/25	#90
	35	CP-TS 183/35	#90
	50	CP-TS 183/50	#115
	70	CP-TS 183/70	#150
	95	CP-TS 183/95	#150
	120	CP-TS 183/120	#200
	150	CP-TS 183/150	#250
	185	CP-TS 183/185	2x#150
	240	CP-TS 183/240	2x#250
34	25	CP-TS 34/25	#90
	35	CP-TS 34/35	#90
	50	CP-TS 34/50	#115
	70	CP-TS 34/70	#150
	95	CP-TS 34/95	#150
	120	CP-TS 34/120	#200
	150	CP-TS 34/150	#250
	185	CP-TS 34/185	2x#150
	240	CP-TS 34/240	2x#250
	240	CP-T 34/240	#250

# Exothermic Welding Material

## CONNECTION CP-V



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
143	25	CP-V 143/25	#65
	35	CP-V 143/35	#65
	50	CP-V 143/50	#90
	70	CP-V 143/70	#90
	95	CP-V 143/95	#90
	120	CP-V 143/120	#90
	150	CP-V 143/150	#115
	185	CP-V 143/185	#115
	240	CP-V 143/240	#150
146	25	CP-V 146/25	#65
	35	CP-V 146/35	#65
	50	CP-V 146/50	#90
	70	CP-V 146/70	#90
	95	CP-V 146/95	#90
	120	CP-V 146/120	#90
	150	CP-V 146/150	#115
	185	CP-V 146/185	#115
	240	CP-V 146/240	#150



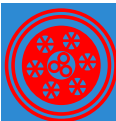
Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
58	25	CP-V 58/25	#65
	35	CP-V 58/35	#65
	50	CP-V 58/50	#90
	70	CP-V 58/70	#90
	95	CP-V 58/95	#90
	120	CP-V 58/120	#90
	150	CP-V 58/150	#115
	185	CP-V 58/185	#115
	240	CP-V 58/240	#150
183	25	CP-V 183/25	#90
	35	CP-V 183/35	#90
	50	CP-V 183/50	#90
	70	CP-V 183/70	#90
	95	CP-V 183/95	#90
	120	CP-V 183/120	#90
	150	CP-V 183/150	#115
	185	CP-V 183/185	#115
	240	CP-V 183/240	#150
34	25	CP-V 34/25	#90
	35	CP-V 34/35	#90
	50	CP-V 34/50	#90
	70	CP-V 34/70	#90
	95	CP-V 34/95	#90
	120	CP-V 34/120	#90
	150	CP-V 34/150	#115
	185	CP-V 34/185	#115
	240	CP-V 34/240	#150
	240	CP-T 34/240	#250

# Exothermic Welding Material

## CONNECTION CP-VS



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
143	25	CP-VS 143/25	#90
	35	CP-VS 143/35	#90
	50	CP-VS 143/50	#115
	70	CP-VS 143/70	#150
	95	CP-VS 143/95	#150
	120	CP-VS 143/120	#200
	150	CP-VS 143/150	#250
	185	CP-VS 143/185	2x#150
	240	CP-VS 143/240	2x#250
146	25	CP-VS 146/25	#90
	35	CP-VS 146/35	#90
	50	CP-VS 146/50	#115
	70	CP-VS 146/70	#150
	95	CP-VS 146/95	#150
	120	CP-VS 146/120	#200
	150	CP-VS 146/150	#250
	185	CP-VS 146/185	2x#150
	240	CP-VS 146/240	2x#250



# Caledonian

## Exothermic Welding Material

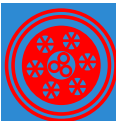
Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Rod	Tap Cable		
58	25	CP-VS 58/25	#90
	35	CP-VS 58/35	#90
	50	CP-VS 58/50	#115
	70	CP-VS 58/70	#150
	95	CP-VS 58/95	#200
	120	CP-VS 58/120	#200
	150	CP-VS 58/150	#250
	185	CP-VS 58/185	2x#150
	240	CP-VS 58/240	2x#200
183	25	CP-VS 183/25	#90
	35	CP-VS 183/35	#90
	50	CP-VS 183/50	#115
	70	CP-VS 183/70	#150
	95	CP-VS 183/95	#200
	120	CP-VS 183/120	#200
	150	CP-VS 183/150	#250
	185	CP-VS 183/185	2x#150
	240	CP-VS 183/240	2x#200
34	25	CP-VS 34/25	#90
	35	CP-VS 34/35	#90
	50	CP-VS 34/50	#115
	70	CP-VS 34/70	#150
	95	CP-VS 34/95	#200
	120	CP-VS 34/120	#200
	150	CP-VS 34/150	#250
	185	CP-VS 34/185	2x#150
	240	CP-VS 34/240	2x#200

# Exothermic Welding Material

## CONNECTION PP-V



Conductor Cross Section Area (mm <sup>2</sup> )	Mould (Part. No.)	Cartridge
Rod		
143	PP-V 143	#200
146	PP-V 146	#200
58	PP-V 58	#200
183	PP-V 183	2x#150
34	PP-V 34	2x#150



### CONNECTION CR-XS

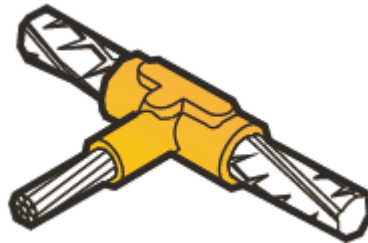


Dimension		Mould (Part. No.)	Cartridge
RE-BAR (mm)	Cable (mm <sup>2</sup> )		
10	25	CR-XS 10/25	#90
	35	CR-XS 10/35	#90
	50	CR-XS 10/50	#115
	70	CR-XS 10/70	#150
	95	CR-XS 10/95	#150
16	25	CR-XS 16/25	#115
	35	CR-XS 16/35	#115
	50	CR-XS 16/50	#150
	70	CR-XS 16/70	#150
	95	CR-XS 16/95	#200
	120	CR-XS 16/120	#200
	150	CR-XS 16/150	#200
20	25	CR-XS 20/25	#115
	35	CR-XS 20/35	#115
	50	CR-XS 20/50	#150
	70	CR-XS 20/70	#150
	95	CR-XS 20/95	#200
	120	CR-XS 20/120	#200
	150	CR-XS 20/150	#250
	185	CR-XS 20/185	#250
	240	CR-XS 20/240	2x#150

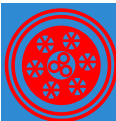


# Exothermic Welding Material

## CONNECTION CR-TH



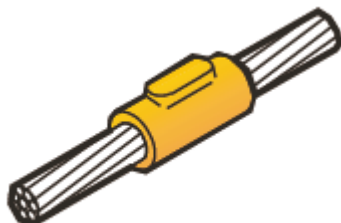
Dimension		Mould (Part. No.)	Cartridge
RE-BAR (mm)	Cable (mm <sup>2</sup> )		
10	25	CR-TH 10/25	#90
	35	CR-TH 10/35	#90
	50	CR-TH 10/50	#115
	70	CR-TH 10/70	#115
	95	CR-TH 10/95	#150
16	25	CR-TH 16/25	#150
	35	CR-TH 16/35	#150
	50	CR-TH 16/50	#150
	70	CR-TH 16/70	#150
	95	CR-TH 16/95	#200
	120	CR-TH 16/120	#200
	150	CR-TH 16/150	#250
20	25	CR-TH 20/25	#150
	35	CR-TH 20/35	#150
	50	CR-TH 20/50	#200
	70	CR-TH 20/70	#200
	95	CR-TH 20/95	#200
	120	CR-TH 20/120	#250
	150	CR-TH 20/150	#250
	185	CR-TH 20/185	2x#150
	240	CR-TH 20/240	2x#200



# Caledonian

## Exothermic Welding Material

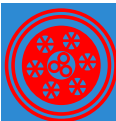
### CONNECTION CC-L



Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
25	25	CC-L 25/25	#32
35	25	CC-L 35/25	#45
	35	CC-L 35/35	#45
50	25	CCL 50/25	#45
	35	CC-L 50/35	#45
	50	CC-L 50/50	#45
70	25	CC-L 70/25	#45
	35	CC-L 70/35	#45
	50	CC-L 70/50	#65
	70	CC-L 70/70	#65
95	25	CC-L 95/25	#65
	35	CC-L 95/35	#65
	50	CC-L 95/50	#90
	70	CC-L 95/70	#90
	95	CC-L 95/95	#90

## Exothermic Welding Material

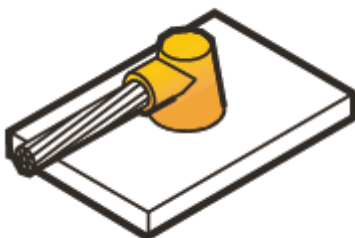
Conductor Cross Section Area (mm <sup>2</sup> )		Mould (Part. No.)	Cartridge
Main	Tap Cable		
120	25	CC-L 120/25	#65
	35	CC-L 120/35	#65
	50	CC-L 120/50	#90
	70	CC-L 120/70	#90
	95	CC-L 120/95	#90
	120	CC-L 120/120	#115
150	25	CC-L 150/25	#90
	35	CC-L 150/35	#90
	50	CC-L 150/50	#90
	70	CC-L 150/70	#90
	95	CC-L 150/95	#115
	120	CC-L 150/120	#115
	150	CC-L 150/150	#115
185	25	CC-L 185/25	#90
	35	CC-L 185/35	#90
	50	CC-L 185/50	#90
	70	CC-L 185/70	#90
	95	CC-L 185/95	#115
	120	CC-L 185/120	#150
	150	CC-L 185/150	#150
	185	CC-L 185/185	#150
240	25	CC-L 240/25	#90
	35	CC-L 240/35	#115
	50	CC-L 240/50	#115
	70	CC-L 240/70	#115
	95	CC-L 240/95	#150
	120	CC-L 240/120	#150
	150	CC-L 240/150	#200
	185	CC-L 240/185	#200
	240	CC-L 240/240	#200



**Caledonian**

Exothermic Welding Material

## CONNECTION CH-TH



Conductor Cross Section Area (mm <sup>2</sup> )	Mould (Part. No.)	Cartridge
25	CH-TH 25	#45
35	CH-TH 35	#65
50	CH-TH 50	#90
70	CH-TH 70	#90
95	CH-TH 95	#115
120	CH-TH 120	#115
150	CH-TH 150	#150
185	CH-TH 185	#200
240	CH-TH 240	#200