



Erico Products Cadweld[®] Cable Connections for Cathodic Protection

The Cadweld Process ...

Cadweld connections are the accepted method of attaching cathodic protection leads to pipes (steel or cast iron), tanks and structures.

Cadweld connections weld conductors to the object to be protected. Therefore, no galvanic corrosion can occur at the interface. (With mechanical connections, surface contacts are present, and can corrode, resulting in an ineffective current path.)

Cadweld connections for cathodic protection use a special alloy to provide minimum heat effect on the steel, especially important on thin wall, high stress pipes.

Cadweld connections are also used for header cable taps, conductor splices and terminations, and ground rod connections.

A Cadweld Connection ...

- Has current carrying capacity equal to that of the conductor
- Is permanent - cannot loosen or corrode to cause a high resistance connection
- Uses lightweight, inexpensive equipment
- Requires no external source of power or heat
- Requires no special skills
- Can be easily checked for quality

Type CAHA				
Conductor Size	Surface	Welder Part Number	Welder Price	Weld Metal
2.5mm ² – 6mm ² solid, or 10mm ² solid or stranded, or 16mm ² solid	Flat (4" & larger pipe) 3/4" to 3-1/2" pipe	CAHAA-1G CAHAA-1GA	CAA	CA15
16mm ² Stranded	Flat (4" & larger pipe) 3/4" to 3-1/2" pipe	CAHAA-1H CAHAA-1HA	CAA	CA15

CORROSION PROTECTION

25mm2 Solid	Flat (6" & larger pipe) 3/4" to 3-1/2" pipe 4" to 5" pipe	CAHAA-1K CAHAA-1KA CAHAA-1KB	CAA	CA15
25mm2 Stranded	Flat (6" & larger pipe) 3/4" to 3-1/2" pipe 4" to 5" pipe	CAHAA-1L CAHAA-1LA CAHAA-1LB	CAA	CA15
36mm2 Solid	Flat (10" & larger pipe) 1" to 3-1/2" pipe 4" to 8" pipe	CAHAA-1T CAHAA-1TA CAHAA-1TB	CAA	CA25
70mm2 Stranded	Flat (16" & larger pipe) 1" to 3-1/2" pipe 4" to 8" pipe 10" to 14" pipe	CAHAA-1V CAHAA-1VA CAHAA-1VB CAHAA-1VC	CAA	CA32
50mm2 Stranded	Flat (16" & larger pipe) 1" to 3-1/2" pipe 4" to 8" pipe 10" to 18" pipe	CAHAA-1Y CAHAA-1YA CAHAA-1YB CAHAA-1YC	CAA	CA45
50mm2 Stranded	Flat (20" & larger pipe) 2-1/2" to 3-1/2" pipe 4" to 8" pipe 10" to 18" pipe	CAHAA-2C CAHAA-2 CACAHAA-2 CBCAHAA-2CC	CAA	CA65
50mm2 Stranded	Flat (20" & larger pipe) 2-1/2" to 3-1/2" pipe 4" to 8" pipe 10" to 18" pipe	CAHAA-2G CAHAA-2GACAHAA - 2GBCAHAA-2GC	CAA	CA65

