

# Zinc Earthing Cells

## APPLICATION

These products are used for two main purposes:

- Instead of a copper grounding rod to avoid bi-metallic corrosion of associated ferrous structures.
- To mitigate voltages induced onto the pipelines from overhead AC power lines. The pipeline can be grounded using these electrodes, without disruption to the cathodic protection current.

## ZINC EARTHING ELECTRODE (DOUBLE) DATA

Size bare: 2 no 35 x 35 x 1525mm c/w 12mm diameter M.S. core extending 25mm at one end  
 Size packaged: 165mm diameter x 1700mm length  
 Cable: 1 x 25mm, 2 XLPE/PVC (black) x 5m length (or to client specification)  
 Weight: 70kgs (154lbs)

## ZINC EARTHING ELECTRODE (SINGLE) DATA

This product combines two zinc reference cells, insulated from one another. One electrode would typically be connected to the protected structure, the other to an earthing device. The electrodes are surrounded by low resistivity backfill allowing large stray currents to pass between them. This enables the structure to be earthed to ground with providing a direct connection.

Size bare: 1 No 35 x 35 x 1525mm c/w 12mm diameter M.S. core extending 25mm at one end  
 Size packaged: 120mm diameter x 1700mm length  
 Cable: 1 x 25mm, 2 XLPE/PVC (black) x 5m length (or to client specification)  
 Weight: 35kgs (77lbs)

## ZINC COMPOSITION

Cu	0.005% max
Al	0.10 – 0.50%
Fe	0.005% max
Cd	0.025 – 0.07%
Pb	0.006% max
Others	0.10% total
Zn	Remainder

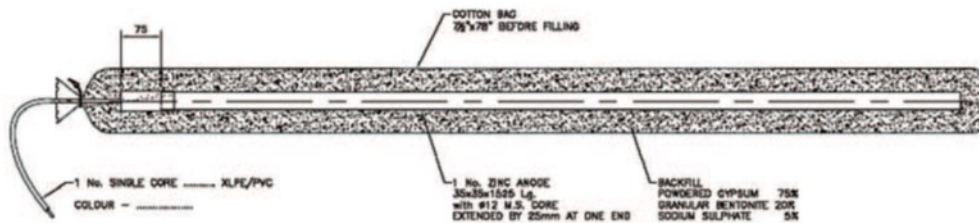


CATHODIC  
PROTECTION  
CO LTD

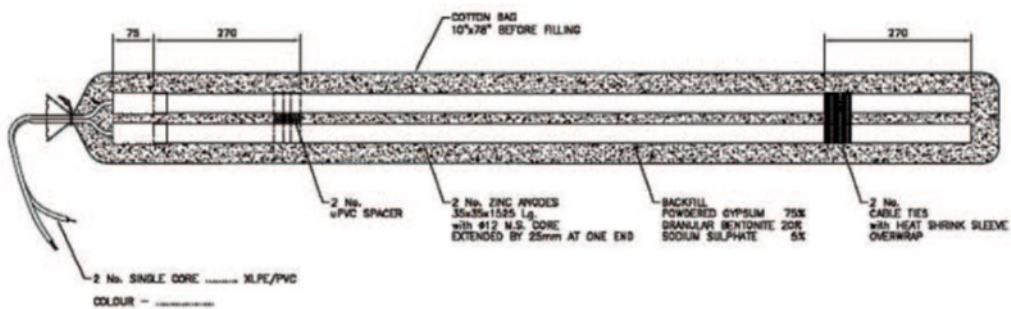
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## ZINC EARTHING ELECTRODE DRAWINGS

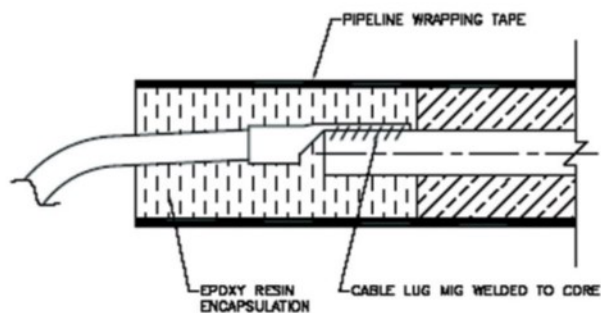
### SINGLE ELECTRODE



### DOUBLE ELECTRODE



### CABLE CONNECTION



CABLE CONNECTION DETAIL