



ZINC EARTHING CELLS


REVISION 1

APPLICATION

These products are used for 2 main purposes :-

1. Instead of a copper grounding rod to avoid bi-metallic corrosion of associated ferrous structures.
2. 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 Dia M.S. Core Extending 25mm At One End
Size Packaged	165mm Dia 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 Dia M.S. Core Extending 25mm At One End
Size Packaged	120mm Dia 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

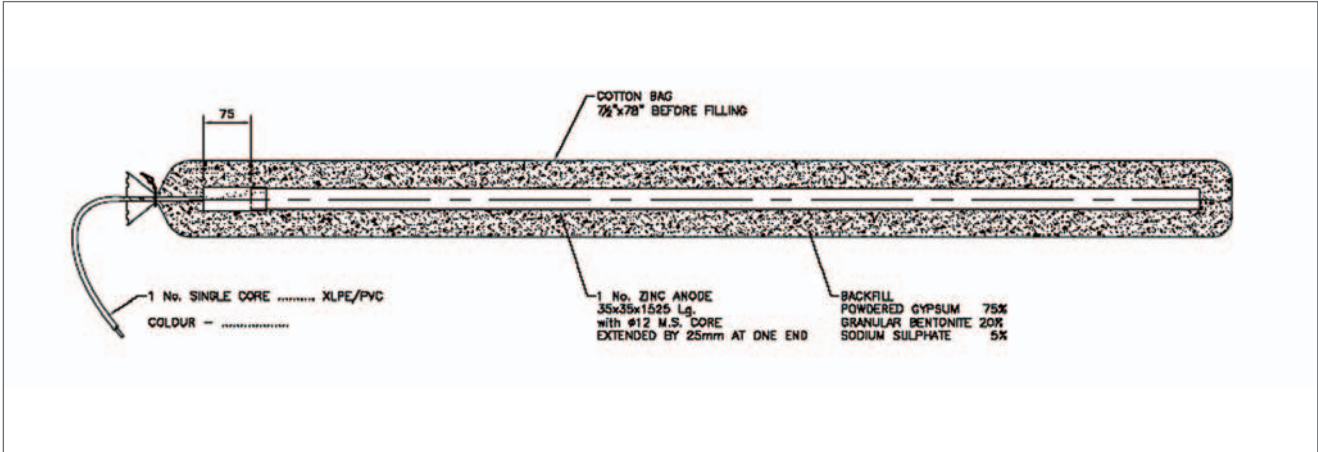


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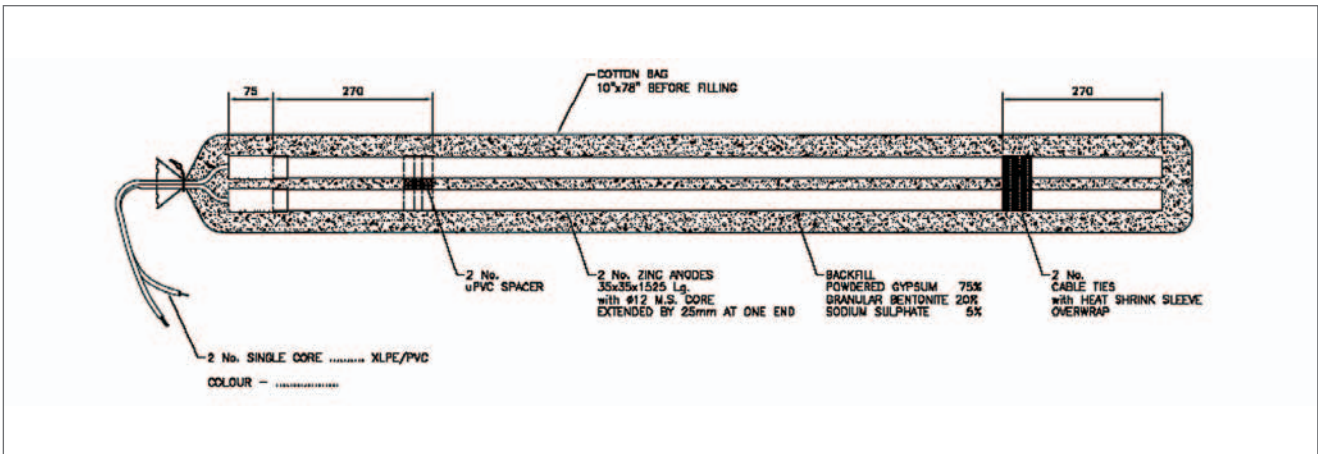
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ZINC EARTHING ELECTRODE DRAWINGS

SINGLE ELECTRODE



DOUBLE ELECTRODE



CABLE CONNECTION

