


CELL TYPE	Zinc Earthing Cell ,2 electrodes															
FEATURES	2 ELECTRODES ***															
RELEVANT STANDARDS	✓ASTM B 418 Type I for casting process															
SIZE	rectangular shape : 36*36*1520 mm															
WEIGHT	NET : 2*15 kg ± 0.5 kg GROSS : Min. 85 kg															
COMPOSITION	<table border="1"> <thead> <tr> <th>Element</th> <th>Weight Percent</th> </tr> </thead> <tbody> <tr> <td>Aluminum, %</td> <td>0.1–0.5</td> </tr> <tr> <td>Cadmium, %</td> <td>0.025–0.07</td> </tr> <tr> <td>Iron, max,</td> <td>0.005</td> </tr> <tr> <td>Lead, max,</td> <td>0.006</td> </tr> <tr> <td>Copper, max,</td> <td>0.005</td> </tr> <tr> <td>Others</td> <td>0.1 remainder</td> </tr> </tbody> </table>		Element	Weight Percent	Aluminum, %	0.1–0.5	Cadmium, %	0.025–0.07	Iron, max,	0.005	Lead, max,	0.006	Copper, max,	0.005	Others	0.1 remainder
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ANODE CORE (INSERT)	Hot Dip Galvanized steel core ,galvanizing thickness min. 12.5 microns															
CABLE	1*10 mm ² single cores, standard soft annealed copper conductor, with PVC/AWA/PVC insulation , at least 5m															

<p>CABLE TO ANODE CONNECTION</p>	<p>Brazed connection or silver solder connection or any other approved method. The lead wire to core connection shall be sealed to prevent water intrusion by application of a potting compound (E.G., Epoxy Resin) or mastic-lined polyethylene heat-shrink sleeve to completely seal the connection and to protect the joint mechanically</p>
<p>ANODE BACHFILL</p>	<ul style="list-style-type: none"> ✓75% Gypsum ✓20% Bentonite ✓5% Sodium Sulfate
<p>BACKFILL SPECIFICATION</p>	<p>Zinc Earthing Cells will be supplied packaged in permeable cloth back containing a rapid wetting and moisture retaining special backfill which reduces the electrolyte resistivity adjacent to the electrode and improves performance.</p>
<p>INSPECTION AND TEST</p>	<ul style="list-style-type: none"> ✓Visual Inspection against any metallurgical defects ✓Anode to cable resistance test ✓weighting of anode with & without backfill