



LATH

EARTHING

Grounded For Life



Lath Earthing

WHAT IS EARTHING?

Earthing is the process of creating alternative path for the flow of fault/excessive current safely into the ground in the presence of minimal resistance or impedance.

PURPOSE OF EARTHING :

- ▶ Protect Personnel against electrical hazards like electric shock and electrocution.
- ▶ Safeguards protect electrical devices, appliances, power tools, machinery, etc. from current leakage.
- ▶ Prevents damage from lightning to structures, installations, and the entire electric system by using lightning arrestors.
- ▶ Prevents fire in the electrical systems.
- ▶ Avoids interference with communication circuits.



Copper Bonded Solid Electrode



Conventional Lightning Arrestor



Advanced ESE Lightning Arrestor



Advanced Ground Enhancement Material

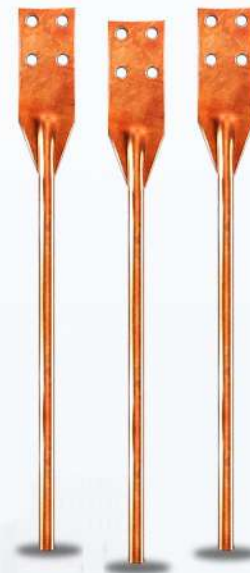


Earth Pit Cover

Copper Bonded Solid Electrode

Model	Rod Dia (mm)	Length (mtr)	Clamp
LE-CBR-14.2-1	14.2	1	50x6
LE-CBR-14.2-2		2	
LE-CBR-14.2-3		3	
LE-CBR-17.2-1	17.2	1	
LE-CBR-17.2-2		2	
LE-CBR-17.2-3		3	
LE-CBR-25.2-1	25.2	1	
LE-CBR-25.2-2		2	
LE-CBR-25.2-3		3	

- ▶ Maintenance Free
- ▶ Adequate Copper Coating
- ▶ Anti Corrosive
- ▶ Long Durable Life
- ▶ High Tensile Low Carbon Steel Inside
- ▶ UL Listed and certified
- ▶ Superior Electrical conductivity
- ▶ Cost effective
- ▶ Easy to handle
- ▶ Easy to install
- ▶ CPRI Tested
- ▶ Tested at NABL approved Laboratory



Conventional Lightning Arrestor

- ▶ Superior performance
- ▶ Unmatched mechanical strength
- ▶ Higher current carrying capacity
- ▶ Excellent corrosion resistance
- ▶ High melting point
- ▶ Longer service life
- ▶ Aesthetic and unique design
- ▶ No antenna and beacon interference



Advanced ESE Lightning Arrestor

- ▶ Blunt tip to strengthen the electric field energy at the tip of the air terminal
- ▶ Stainless steel 316 grade as primary air terminal
- ▶ Sufficient mechanical strength
- ▶ Higher current carrying capacity
- ▶ Excellent corrosion resistance
- ▶ High melting point
- ▶ Long life
- ▶ Secondary Air terminal made of SS 304 grade to capture side flashes occur during lightning event
- ▶ Electro-mechanical device with no external power supply
- ▶ Aesthetic & Unique Design



Advanced Ground Enhancement Material

- ▶ Enhances ground conductivity
- ▶ Decreases soil resistivity
- ▶ Improves water retaining capacity
- ▶ Tested at NABL accredited lab
- ▶ Available in 5kg, 15kg and 25kg packing



Earth Pit Cover



- ▶ Protects earthing system
- ▶ Enhanced mechanical strength
- ▶ Aesthetic look
- ▶ Highly durable



GI Strip



Copper Strip

Installation Process



Step 1

Dig a hole with Auger.



Step 2

Hole measurement 4 to 6 inches in diameter to the depth of 1, 2 or 3 mtr depending upon electrode length.



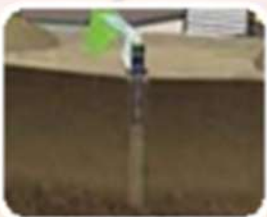
Step 3

Remove plastic from the electrode & insert the LATH earthing electrode inside the hole vertically at center leaving the terminal portion, above the ground level.



Step 4

With electrode inserted refill the hole with LATH earthing compound in the form of paste



Step 5

Pour water around the electrode.



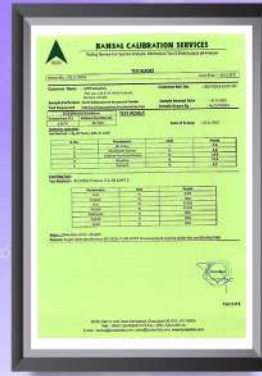
Step 6

Place the LATH earthpit cover to cover the electrode.



Step 7

Cover the earthpit cover up to the ground level.



Manufactured by
LATH Industries
 (An ISO 9001:2018 Certified Unit)



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