

# CHEMICAL FILLED EARTH TUBE (CFET)

The Chemical Filled Earth Tube is product of **CROSS LINKERS** and it is specially designed to address low earth resistance challenges in areas with high soil resistivity, such as sandy, rocky, and dry soil regions.

## FUNCTION PRINCIPLES

The rich electrolytic earthing compounds within the CFET create an effective and durable earth-enhancing component. This is particularly useful in high soil resistance areas, where the chemicals interact with the Earth Conductivity Enhancing Compound (**ECEC**) in a bore hole. This interaction absorbs moisture from the surroundings and generates moisture, while the bentonite-based ECEC protects the earthing system from corrosion. This results in a long-lasting low impedance value.

The combination of rich electrolytic chemicals, the CFET establishes a low-resistance path for fault currents resulting from short circuits, lightning strikes, etc. Consequently, both human life and electrical components remain safe.



## ADVANTAGES

- ⬇️ Prefilled with compound for easy and quick installation.
- ⬇️ Improves low earth resistance in the surroundings.
- ⬇️ Extract and hold moisture for an extended period.
- ⬇️ Contains non-corrosive chemical compounds.
- ⬇️ Provides a resistance of less than one ohms.

## DATA / SPECIFICATIONS

**CFET** is a pure copper tube with 99.65% purity, prefilled with rich electrolytic earthing compounds, it is designed for effective and durable use in high soil resistance areas.

Part No.	Diameter	Length	Wall Thickness	Weight
CFET	38mm (1-5")	3000mm (10-ft.)	1.63mm (16swg)	4.983kg

# COPPER BONDED EARTH ROD (CBER)

The **COPPER BONDED EARTH ROD** is the best and most economical earth rods available. They are made by molecularly bonding 99.9% pure electrolytic copper onto a low carbon steel core. CBER are not of the sheathed type. They are highly resistant to corrosion, and because the steel used has a very high tensile strength, they can be driven by power hammers to great depths.

Part No.	Diameter (Rod)	Diameter (Thread)	Length	Weight
CBER	17.2mm (0.68")	19.05mm (3/4")	1500mm 3000mm (5ft.&10-ft.)	2.72kg 5.44kg



## STANDARDS

- ⊕ IEC/BS EN 62561-2
- ⊕ BS 7430