

SAFEHEX EARTH ELECTRODES

A simple GI pipe with or without salt / charcoal mixture can provide the necessary path for the fault current to be grounded. However, over a period of time, depending on the effect of the corrosive elements in the soil, the GI pipe gets eaten away resulting in an increase of the Earth pit's resistance.

To ensure that the life of the earth electrode is enhanced exponentially, the HEX Team engineered an innovative design for the Earth Electrode System, the SAFEHEX Earth Electrode.

The SAFEHEX electrode consists of the main earth electrode which is either a pipe or a strip, encapsulated within another pipe filled with the highly conductive & corrosion resisting compound HEXFILL. The main earth electrode is protected by the presence of this highly conductive compound and the outer pipe. Because of its highly conductive property the fault current gets immediately discharged through the outer pipe to the surrounding area.

The size of the robust top connection plate is scientifically designed so as to prevent a bottleneck for fault current flow at this critical junction.

The whole assembly of SAFEHEX electrode is then inserted into a bore made in the earth and the space around is filled by the scientifically developed Back Fill Compound TERRAHEX.

SAFEHEX Earth Electrodes have been successfully tested at CPRI, Bangalore for Short Circuit and other tests. The reports are given in this catalogue for your reference.



SAFEHEX - PIPE IN PIPE (PIP)		
COPPER PLATED 250 MICRONS		
PROD. CODE	OUTER PIPE OD (mm)	LENGTH (Mtrs.)
HSPC-502-250	50	2
HSPC-503-250	50	3
HSPC-762-250	76	2
HSPC-763-250	76	3
COPPER PLATED 100 MICRONS		
PROD. CODE	OUTER PIPE OD (mm)	LENGTH (Mtrs.)
HSPC-502-100	50	2
HSPC-503-100	50	3
HSPC-762-100	76	2
HSPC-763-100	76	3
COPPER PLATED 25 MICRONS		
PROD. CODE	OUTER PIPE OD (mm)	LENGTH (Mtrs.)
HSPC-502-025	50	2
HSPC-503-025	50	3
HSPC-762-025	76	2
HSPC-763-025	76	3
HOT DIP GALVANIZED 100 MICRONS		
PROD. CODE	OUTER PIPE OD (mm)	LENGTH (Mtrs.)
HSPG-502-100	50	2
HSPG-503-100	50	3
HSPG-762-100	76	2
HSPG-763-100	76	3

SAFEHEX - STRIP IN PIPE (SIP)		
COPPER PLATED 250 MICRONS		
PROD. CODE	OUTER PIPE OD (mm)	LENGTH (Mtrs.)
HSSC-502-250	50	2
HSSC-503-250	50	3
HSSC-762-250	76	2
HSSC-763-250	76	3
COPPER PLATED 100 MICRONS		
PROD. CODE	OUTER PIPE OD (mm)	LENGTH (Mtrs.)
HSSC-502-100	50	2
HSSC-503-100	50	3
HSSC-762-100	76	2
HSSC-763-100	76	3
COPPER PLATED 25 MICRONS		
PROD. CODE	OUTER PIPE OD (mm)	LENGTH (Mtrs.)
HSSC-502-025	50	2
HSSC-503-025	50	3
HSSC-762-025	76	2
HSSC-763-025	76	3
HOT DIP GALVANIZED 100 MICRONS		
PROD. CODE	OUTER PIPE OD (mm)	LENGTH (Mtrs.)
HSSG-502-100	50	2
HSSG-503-100	50	3
HSSG-762-100	76	2
HSSG-763-100	76	3

OD OF PIPES MAY CHANGE SUBJECT TO MARKET AVAILABILITY

IMPORTANT NOTE :

SAFEHEX Earth Electrodes have been successfully tested by CPRI for Short Circuit Tests as given below.

- SAFEHEX PIP 76mm X 3M Cu 250 microns – 65kA
- SAFEHEX PIP 76mm X 3M HDG 100 microns – 60kA
- SAFEHEX PIP 50mm X 3M HDG 100 microns – 50kA

Copies of these Test Reports can be provided on request.