



OUR PRODUCTS

HDGI EARTHING ELECTRODE

Fast Earthings manufactures Hot Dip Galvanized Filled Pipes with a Minimum Zinc coating of 70-80 microns (avg) specialised for Earthing Application. Anti-corrosive moisture absorbing minerals are filled and sealed inside hot dip galvanized pipes to eliminate inside out corrosion. Normal GI Pipe available in market are intended for structural and sanitary applications and is not specialised for Earthing Application.

COPPER BONDED EARTHING ELECTRODE

Copper Bonded Pipe is extensively used in highly corrosive soil environment where other Earth Electrodes made of Copper, Hot Dip Galvanized pipe cannot be used due to economical constraints and corrosive nature respectively. Anti-corrosive moisture absorbing minerals is filled and sealed inside copper bonded pipe to eliminate inside out corrosion.



99.95% pure Electrolytic Grade Copper is Molecularly Bonded to Nickel-Sealed Low Carbon Steel Core having High Tensile Strength. Nickel Sealing is done for good Adhesion and Copper Coating will not crack when bent or driven. No part of steel is Exposed since Copper Coating is done after all Fabrication. The standard copper coating thickness is 250/100 microns.

COPPER BONDED EARTHING ROD

PURE COPPER EARTHING ELECTRODE

Pure Copper Earthing Electrode is made of Electrolytic Copper that is 99.9% pure. It has an excellent corrosion resistance. It is used when higher conductivity and corrosion resistance are required. This uses pressurized Crystalline Conductive Compound to ensure the highest conductivity and withstand any leakage current. They are useful for applications where soil conditions are very aggressive such as soil with high salt and moisture content.

ADVANCE BACKFILL COMPOUND

We have developed our unique back-fill-compound. Our unique back-fill-compound is a combination of natural earth minerals, which having the hygroscopic property, to retain the moisture for a long time. During Installation with proper water pouring, our Advance BFC retains the moisture upto twenty times its dry volume as well as it creates a layer surrounding our electrode. We have achieved quality and cost-effective solution. Our Advance BFC is a combination of corrosion free and highly conductive minerals.



FRP CHAMBER COVER

Earth Pit/Inspection Chambers are provided to safely enclose the Earthing System, for carrying out maintenance, Inspection and Testing Purpose. To avoid masonry work at site, Excel Earthings provides ready-made earth pit chambers with removable lid made of high-density UV Resistant Polypropylene/Poly Vinyl Chloride Confirming to IEC 62561-5. They are designed in such a way to minimises the effect due to ageing, crack while installed in soil.



CONVENTIONAL LIGHTNING ARRESTER

Vertical Air Terminal Rods, also known as Franklin Rods confirming to IS/IEC 62305-3 are designed to protect structures, exposed equipment (Solar PV System, Towers etc.) from Direct Lightning Strikes. They are made-up of Copper Bonded / Stainless Steel Solid Rods. For Better Contact with the Down/Interconnecting Conductors, Pressed Terminals are provided. It Comes with Nylon Insulated Base which provide proper insulation and Separation with the supporting structure.

ESE LIGHTNING ARRESTER

Early Streamer Emission (ESE) Lightning Arrester offers a safe and reliable system to protect your building or solar project from direct lightning strikes. The ESE Lightning Arrester, also known as Active Lightning Arrester, provide an enhanced Radius of Protection, reducing the number of Lightning Arresters and down conductors needed for your building or solar project while still providing complete protection.



PURE COPPER EARTHING PLATE

Copper Plate has high electrical and thermal conductivity and very high resistance to hydrogen embrittlement. We are recognized as a reliable Copper Plates (DHP & ETP) Supplier in India. Due to the outstanding quality and unrivalled performance in the relevant applications, various industrial sectors are placing bulk orders with us for customized Copper Plates. Copper plates from ETP and DHP are also available in a variety of sizes and dimensions.



Hot Dip Galvanized Steel plates are manufactured in accordance with IS 3043:2018 with an average Zinc coating of 70-80microns for Earthing Applications.

GI EARTHING PLATE

COPPER BONDED EARTHING PLATE

Copper Bonded Plates economically replaces pure copper plates with its inherent advantages due to the combination of low carbon steel and copper. The Copper Coating provides good resistance against corrosion as 99.9% Pure Electrolytic Grade Copper is molecularly bonded to Superior Quality Steel.

PURE COPPER EARTHING STRIPS

Typically, copper earth strips are used as High voltage electrodes for standard earthing arrangements on ground mounted Low Voltage, Medium Voltage High Voltage substations – the earth tape functions as a perimeter electrode installed to the outer edges of the foundation in direct contact with the soil and connected to the switchgear earth bars.



GI EARTHING STRIP

Galvanized Iron (GI) earthing strip is popular and widely used in the industry for earthing purpose. GI earthing strip is highly corrosion resistant that increases the longevity providing better protection from voltage transient. Galvanized Steel Strips are manufactured in different dimensions with an average Zinc coating of 70 to 80microns for Earthing and Lightning Protection Applications.



COPPER BONDED EARTHING STRIP

Copper Bonded Strips are mainly used for Electrical Earthing and Lightning Protection Application, which includes Earthing Conductor, Lightning Down Conductor, Lightning Mesh Formation etc. The combination of steel and copper Provides a Cost-Effective Solution substituting pure copper. They are available in standard Coating Thickness of 100/250microns.

AVIATION LAMP

Aviation obstruction lighting is used to enhance the visibility of structures or fixed obstacles which may conflict with the safe navigation of aircraft. Obstruction lighting is commonly installed on towers, buildings, and even fences located in areas where aircraft may be operating at low altitudes. In certain areas, some aviation regulators mandate the installation, operation, color, and/or status notification of obstruction lighting. For maximum visibility and collision-avoidance, these lighting systems commonly employ one or more high-intensity strobe or LED devices which can be seen by pilots from many miles away from the obstruction.

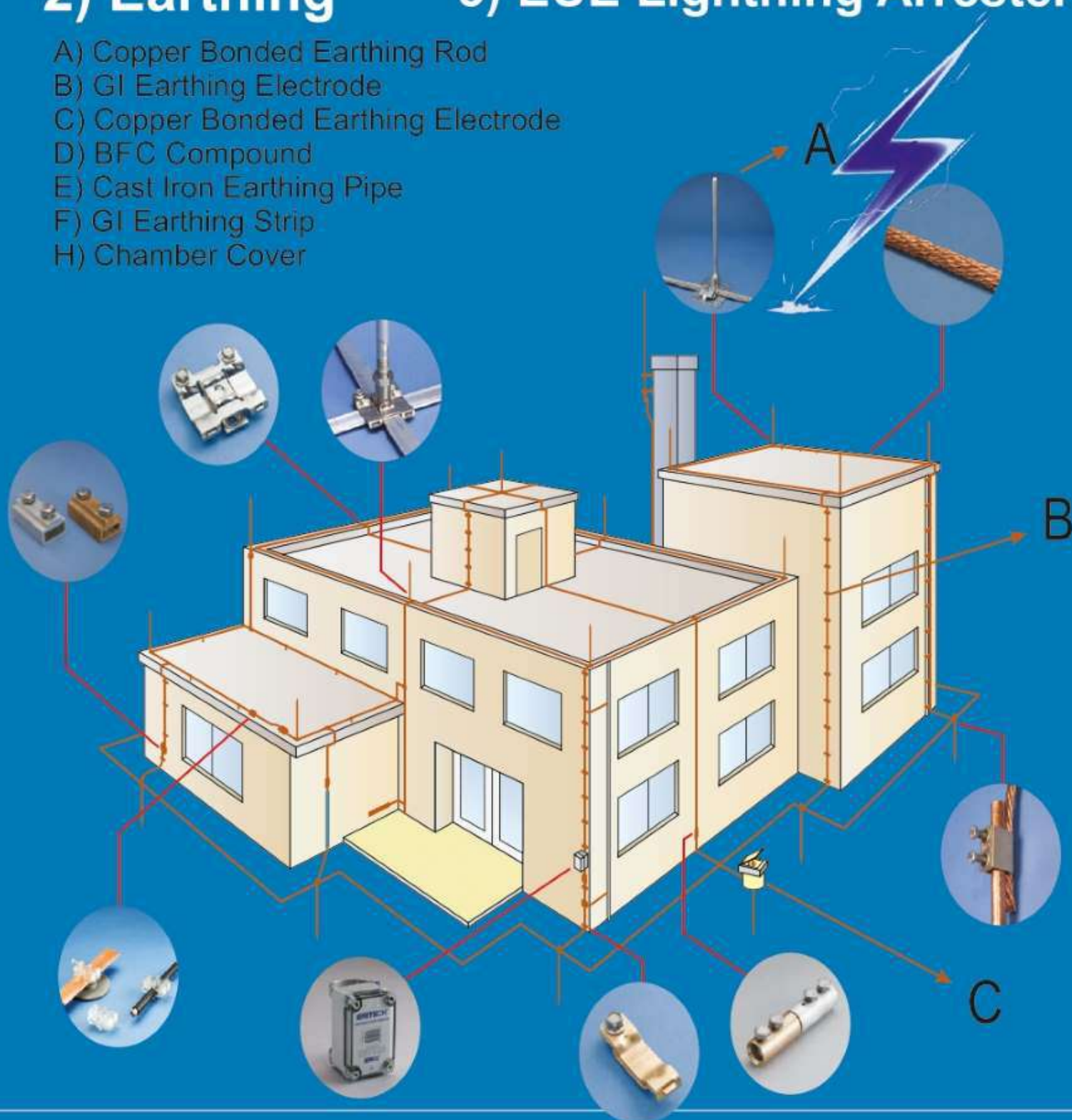
1) Conventional Lightning Protection System

- A) Air Termination
- B) Down Conductor & Connecting Accessories
- C) Earthing

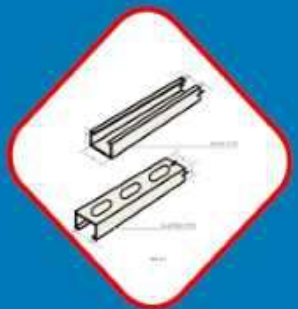
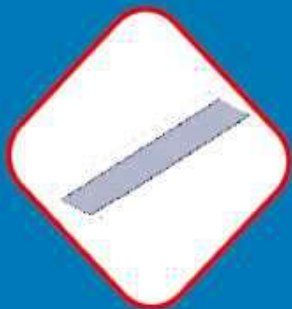
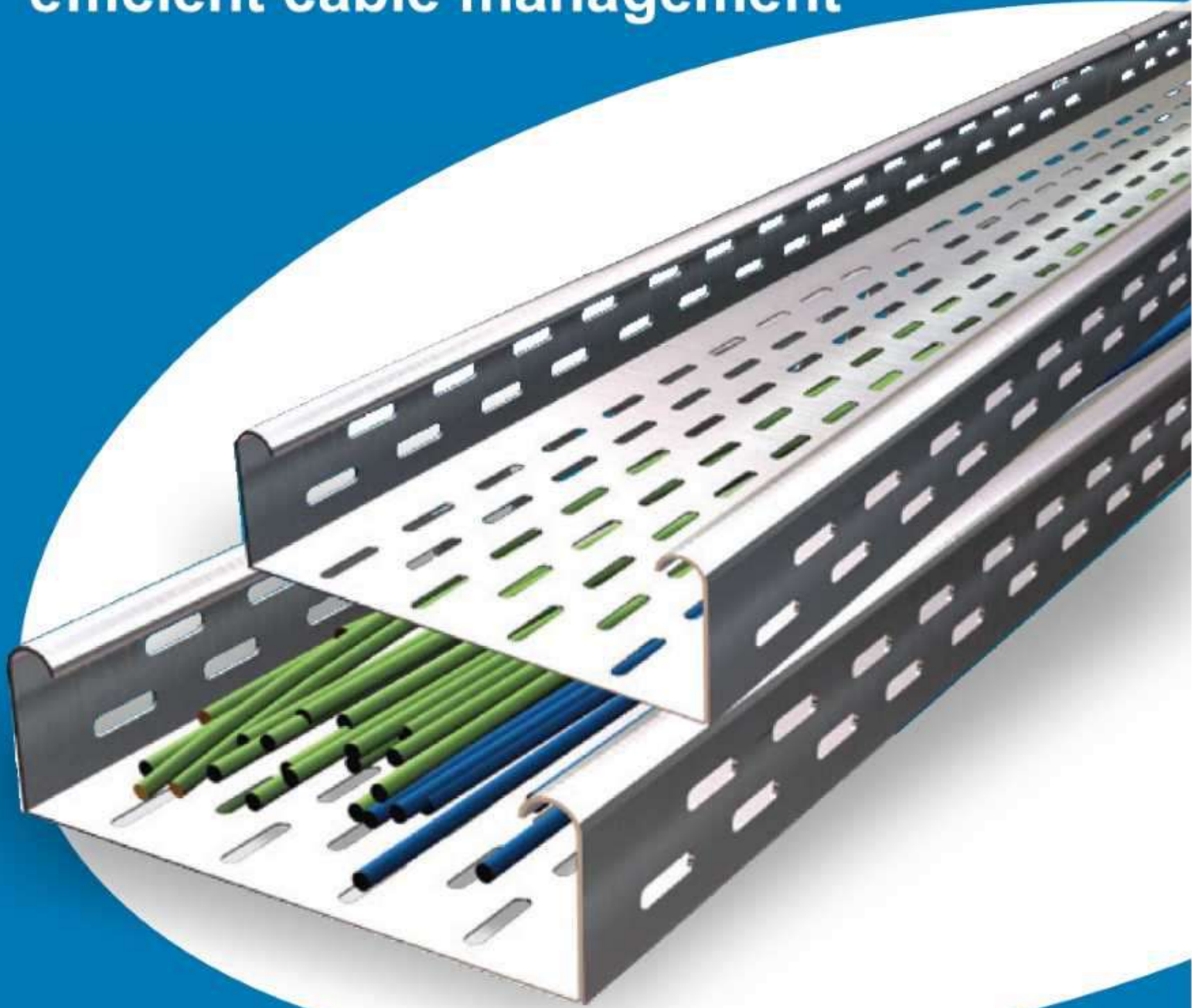
2) Earthing

- A) Copper Bonded Earthing Rod
- B) GI Earthing Electrode
- C) Copper Bonded Earthing Electrode
- D) BFC Compound
- E) Cast Iron Earthing Pipe
- F) GI Earthing Strip
- H) Chamber Cover

3) ESE Lightning Arrester



**As a leading manufacturer & provider
of cable tray solution for
efficient cable management**



Perforated Cable Tray

Constructed from single sheet of perforated metal. They are convenient for cables which require both a degree of protection from external damage and some ventilation.

STANDARD DIMENSIONS

- Length (L) 2.500mm & 3.000mm
- Depth (D) 50mm, 75mm, 85mm, 100mm, 150mm
- Width (W) 100mm, 150mm, 200mm, 300mm, 450mm, 600mm, 700mm
- Sheet Metal 1.2mm for light loads (LL)
Thickness 1.5mm for medium loads (M)
2.0mm for heavy loads (H)

Material:

- Prime quality GI & MS sheets.

Finish (after fabrication):

- Electro powder coating (E)
- Pre-galvanised (P)
- Hot dip galvanized (H)

Designs other than those listed above can be manufactured to meet special requirements.



Ladder Cable Tray

Straight sections of ladder type cable trays consist of two longitudinal side rails, connected by individual transverse members, or rungs, which are welded to the side rails or bolted in case of GI trays. This type of cable tray provides maximum ventilation to heat producing cable such as power cables.

STANDARD DIMENSIONS

- Length (L) 2.500mm & 3.000mm
- Depth (D) 50mm, 75mm, 85mm, 100mm, 150mm
- Width (W) 100mm, 150mm, 200mm, 300mm, 450mm, 600mm, 750mm, 900mm
- Rung Spacing 300mm
- Sheet Metal 1.2mm for light loads (LL)
Thickness 1.5mm for medium loads (M)
2.0mm for heavy loads (H)

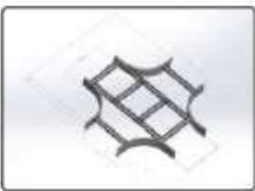
Material:

- Prime quality GI & MS sheets.

Finish (after fabrication):

- Electro powder coating (E)
- Pre-galvanised (P)
- Hot dip galvanized (H)

Designs other than those listed above can be manufactured to meet special requirements.



Cable Trunking

Straight sections of solid bottom cable trays constructed from single sheet of metal, providing excellent protection from external damage. They are used primarily for intrumental control, communication and other non-heat producing cables.

STANDARD DIMENSIONS

- Length (L) 2.500mm & 3.000mm
- Depth (D) 50mm, 75mm, 85mm, 100mm, 150mm
- Width (W) 100mm, 150mm, 200mm, 300mm, 450mm, 600mm, 750mm
- Sheet Metal 2mm for light loads (LL)
Thickness 1.5mm for medium loads (M)
2.0mm for heavy loads (H)

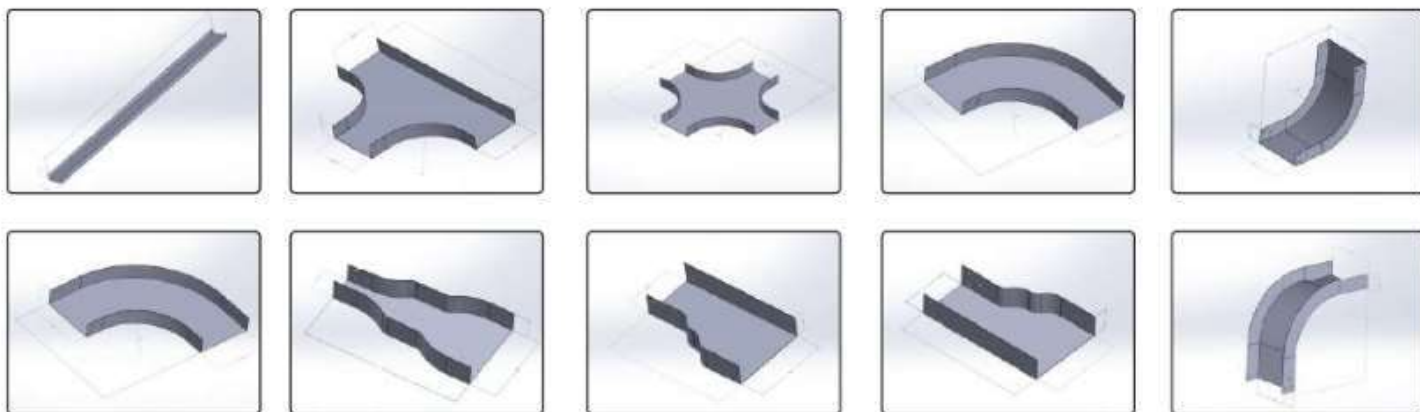
Material:

- Prime quality GI & MS sheets.

Finish (after fabrication):

- Electro powder coating (E)
- Pre-galvanised (P)
- Hot dip galvanized (H)

Designs other than those listed above can be manufactured to meet special requirements.



Cable Tray Covers

STANDARD DIMENSIONS

- Length (L) 2.500mm & 3.000mm
- Depth (D) 15mm
- Width (W) 100mm, 150mm, 200mm, 300mm, 450mm, 600mm, 750mm, 900mm
- Sheet Metal 1.2mm (LL)
Thickness 1.5mm(M)
2.0mm(H)

Material:

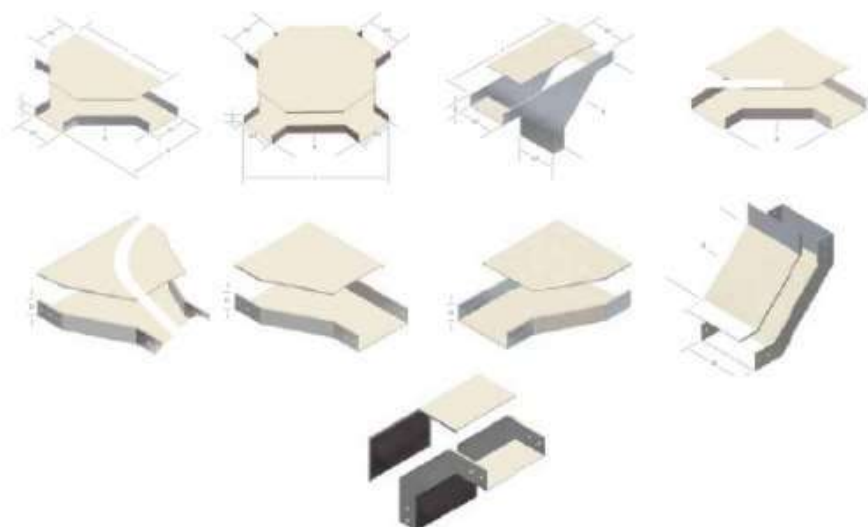
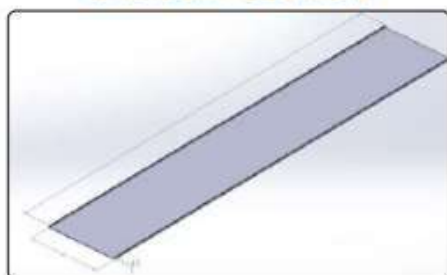
- Prime quality GI & MS sheets.

Finish (after fabrication):

- Electro powder coating (E)
- Pre-galvanised (P)
- Hot dip galvanized (H)

Designs other than those listed above can be manufactured to meet special requirements.

STRAIGHT SECTION



OUR CLIENTS

ADITYA BIRLA
MEMORIAL TRUSTS

LODHA
BUILDING A BETTER LIFE

CITI

METRO

TATA
COMMUNICATIONS

SunEdison

DANA

meil

FORCE
MOTORS

Godrej

Indiabulls
CONSUMER FINANCE

clean
SCIENCE

SI Group
The Software Group

StanleyBlack&Decker

INOX
LIVE THE MOVIE

EXIDE

BAJAJ

EMERSON

SYMBIOSIS

METROPOLIS

faurecia
Inspiring mobility

Idea

AEGIS

KSH

BELDEN
SENDING ALL THE RIGHT SIGNALS

Kirloskar

CEAT

SKF

Coca-Cola

Domino's

GEDA

BELDEN
SENDING ALL THE RIGHT SIGNALS

INDIAN OIL

INDIAN OIL

IndianOil

INDIAN OIL

Millennium
INFRA

FINE ORGANICS

LOREDA

CONTACT US

OFFICE ADDRESS

Fast Earthing Enterprises
202, Balaji Enclave, Sai Colony,
Katraj, Pune, Maharashtra
411046

FACTORY ADDRESS

Fast Earthing Enterprises
Gat no 204, at Post - Karandi (K.B),
Tal - Bhore, Dist - Pune

Email: fastearthingenterprises@gmail.com | Info.fastearthing@gmail.com

Website - www.fastearthing.com

+91 97 66 818 676 / 90 67 68 6956