



SATYAM COMPOSITES PVT. LTD.

An ISO 9001:2008 Certified Co.

FRP / GRP Cable Tray System



SATYAM Make FRP Ladder Type & Perforated Type cable tray gives the good support to Electrical Heavy Cables & Instrument Light Cables respectively mainly in chemical Industries or any corrosive Atmosphere. The Cable trays are manufactured from the polyester resin system with Fire Retardant & Ultra Violet resistant Properties.

SATYAM Make FRP Cable Trays are widely used by most of all the Chemical Industries, Oil & Gas Refineries, Paper Mills, Cement Factories & other Industries in India.

SATYAM Make FRP cable Trays are easy to install & gives the maximum life other than any material in Corrosive atmosphere & due to its non-conductive property it decreases the chances of short circuit.



Advantages

Corrosion Resistance,
Light in Weight,
Easy to Install & replace,
As it is self pigmented No need of painting,
Fire Retardant & Ultra Violet (UV) Stabilized,
Strength & Durability
Available in all colours.

Applications

Chemical Industries,
Highly Corrosive Area,
Off Shore Platforms,
Oil & Gas Refineries,
Water Treatment Plants,
Paper Industries,
Power Plants

Standard type of FRP / GRP

Applicable Standards

1. NEMA FG1-1993 Standard For FRP/GRP Cable Tray Loading Specifications
2. IS6746:1994 Standard for Fire Retardant properties of FRP/GRP Cable Trays
3. IS6746 Appendix K for Low Flammability.
4. ASTM standards for Typical Properties of FRP/GRP Cable Trays as under
ASTM D 2863 - Oxygen Index Test
ASTM D 570 - Water Absorption Test
ASTM D 638 - Tensile Properties
ASTM D 695 - Compressive Properties
ASTM D 790 - Flexural Properties
ASTM D 256 - Izod Impact Strength
ASTM D 149-97a - Die Electrical Strength (Axial & Radial)
5. we are also following EIL Standards for EIL Projects

Coupler Plates / Connecting Plates

Coupler Plates are used to join two straight Length of the cable trays or bends by means of SS Hardware. The coupler plates are in different sizes according to sizes of the cable trays. The material of the Coupler Plates is same as cable trays material i.e. Fiberglass Reinforced Plastic (FRP).

Standard Types of FRP/GRP Cable Trays

FRP/GRP Perforated Cable Tray

Available Sizes of the Perforated Cable Tray		
Code	Cable Tray Sizes	Loading as per NEMA-FG1 1993 Standard (Special size can be develop as per customer requirement)
SIPT-2	50 x 25 x 3mm	
SIPT-2A	50 x 50 x 4mm	
SIPT-3	75 x 30 x 4mm	
SIPT-3A	75 x 40 x 4mm	
SIPT-4	100 x 30 x 4mm	
SIPT-4A	100 x 50 x 4mm	
SIPT-6	150 x 50 x 4mm	
SIPT-6A	150 x 50 x 6mm	
SIPT-8	200 x 50 x 4mm	
SIPT-10	250 x 50 x 4mm	
SIPT-12	300 x 50 x 4mm	

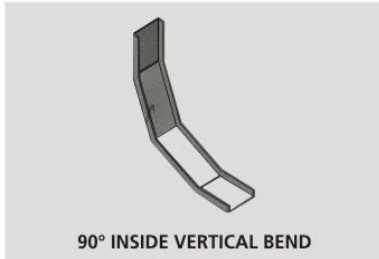
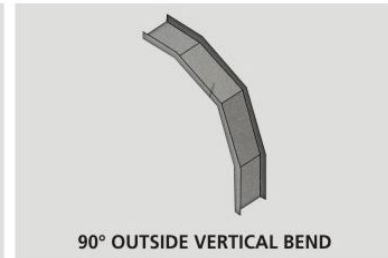
FRP/GRP Ladder Cable Tray

Size of Ladder Tray	Standard Design	
	Side Runner Channel	Rung Spacing
150 mm Wide	75 mm/ 100 mm	300mm
300mm Wide	75 mm/ 100 mm	300mm
450mm Wide	100 mm	300mm
600mm Wide	100 mm	300mm
750mm Wide	150mm	300mm
900mm Wide	150mm	300mm

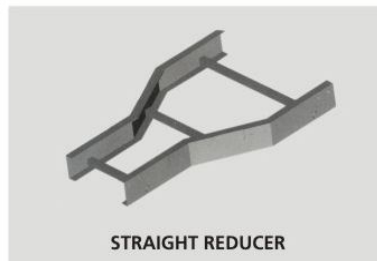
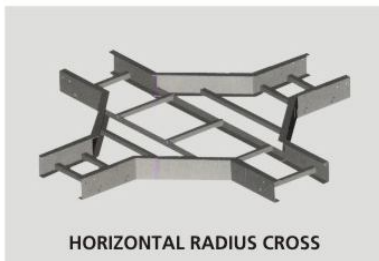
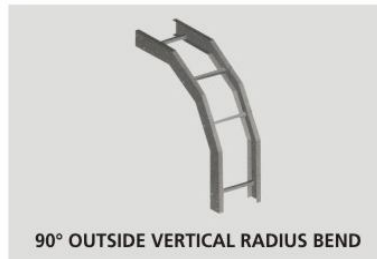
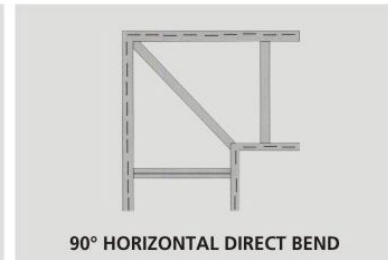
Note: Except the above standard sizes, cable trays can be developed as per Customer's requirement.

Fittings & Accessories for FRP/GRP Cable Trays

Perforated cable trays



Ladder cable trays



“ Our FRP/GRP
Cable Trays
Successfully Passed
ASTM E 84 Testing for
Fire Retardant
Properties from USA”

Approved Vendor

- Engineers India Ltd (EIL)
- Uhde India Ltd.
- Hindustan Petroleum Corporation Ltd.
- Larsen & Toubro Ltd.
- Avant Garde Engineers & Construction P. Ltd.
- Projects & Development India Ltd. (PDIL)

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