



# CHOOSE BEST, GANGA FIBROTECH

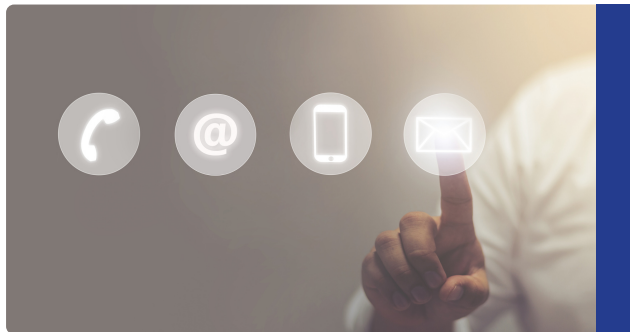
## WHY CHOOSE US



At Ganga Fibrotech, we have built a reputation for manufacturing an exceptional range of premium fiberglass products. Our extensive lineup includes Cable Trays, Street Light Poles, Luminaries, and Subbox Enclosure Systems.

With over 30 years of experience in producing industrial electrical and instrumentation devices, we have honed our expertise to meet the specific applications and high demands of our customers. Every product we offer is meticulously tailored to meet the unique requirements of our valued clients.

## CONTACT US



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# GANGA FIBROTECH



"Quality Unveiled: Ganga, Your Trusted Choice."

[www.gangafibrotech.com](http://www.gangafibrotech.com)

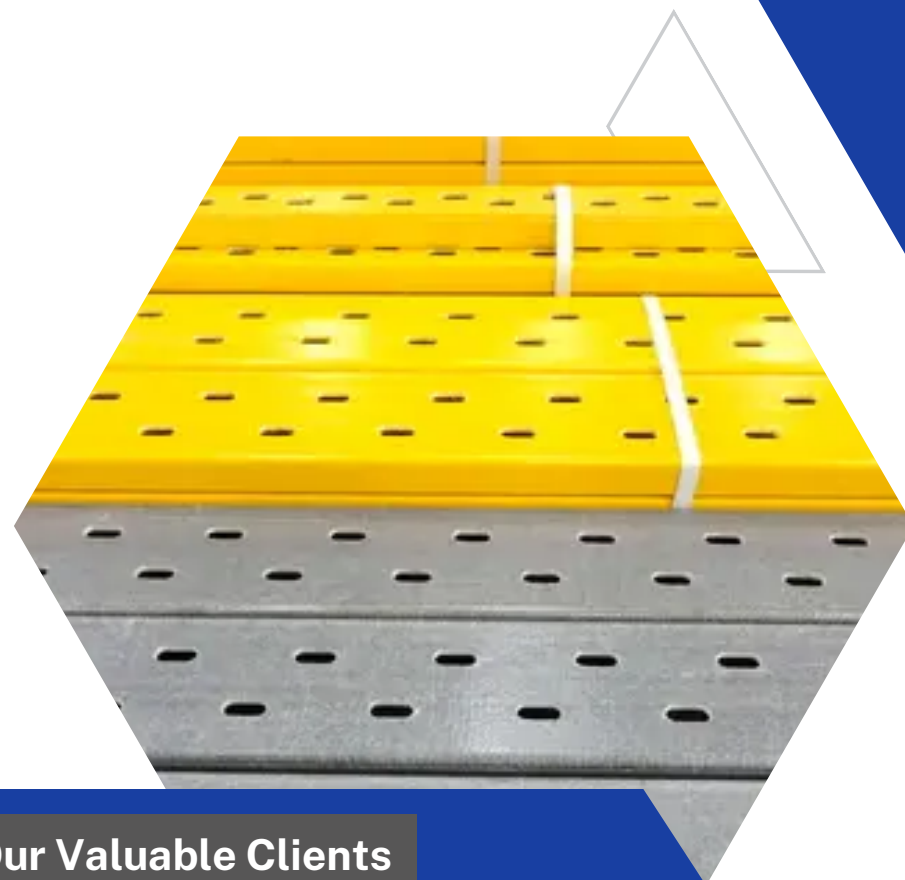


We are leading manufacturer of FRP Cable Tray. FRP/GRP Cable Tray is a new type composite material, which is produced from glass fiber as framework and reinforced resins, including unsaturated polyester, epoxy resin and phenolic resin.

Strong, lightweight, extremely excellent corrosion and rust resistance is best representative of FRP/GRP Cable Tray.

Nowadays, the FRP/GRP Cable Trays gradually replaces the steel Cable Trays in commercial and industrial plants as its outstanding chemical and mechanical advantages. FRP/GRP Cable Trays is ideal for highly corrosive applications.

Featuring	Applications
Corrosion resistance	Chemical Plants
Strength & durability	Power Plants
Fire retardant	Effluent Treatment Plants
Light Weight	Offshore / Onshore Platforms
U.V. Stabilities	Paper Plants
Long Life	Refineries and many more.



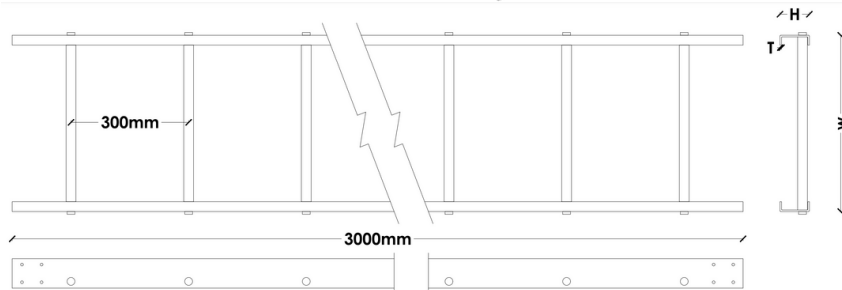
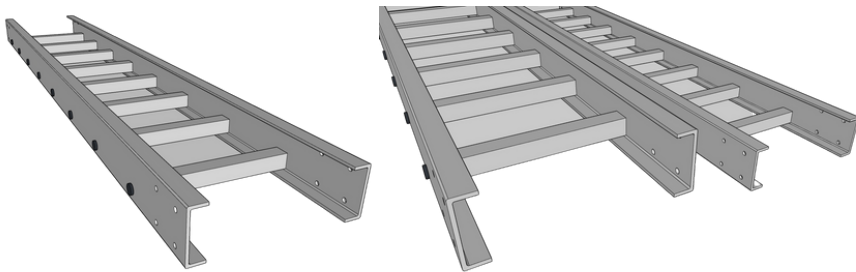
### Our Valuable Clients

- SRF Limited, Dahej
- Meghmani Organics, Dahej
- ATC Tyre, Dahej
- Jay Chemicals, Saykha
- Bileshwar Pharmaceuticals PVT LTD, Jagadia
- Khodiyar Chemicals, Panoli
- PI Industries Ltd, Jambusar
- Mili Industruies, Ankleshwar

## SOME OF THE PRODUCTS AND PROJECT SERVICES OFFERED ARE

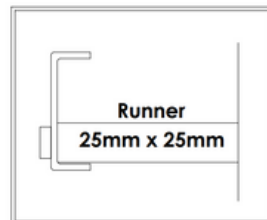
### FRP Ladder Cable Tray

Cable trays provide a support system for managing cables in a Building or other places. Cable tray installation provides instant approach to maintain and replacement of cables without any difficulty. They give excellent ventilation and enhance life of cables. We offer high strength ladder type cable trays that are perfect for heavy-duty power distribution in industries. Our ladder cable trays are available in the following



LADDER TYPE CABLE TRAY

LADDER TYPE CABLE TRAY			
	W	H	T
01	100mm	50mm	3mm
02	150mm	50mm	3mm
03	300mm	75mm	4mm
04	450mm	75mm	4mm
05	600mm	100mm	4mm
06	750mm	100mm	4mm



### SR : FRP Ladder Cable Tray

75mm X 3mm/4mm Channel Size	300mm to 1000mm Width Runner
100mm X 3mm/4mm Channel Size	300mm to 1000mm Width Runner

## Ganga Fiberglass Cable Tray Specification

### STANDARDS APPLICABLE

- 1.1 IS 6746 - 1994 Specs for Unsaturated Polyester Resin systems for Low Pressure Fiber Reinforced Plastics.
- 1.2 NEMA FG 1 1984- 1993 (current issue) Specifications for fiberglass Tray System-Loading Characteristics.
- 1.3 IS 6746-Appendix-K/UL 94 Flame Retardant (law flammability/V0).

### TECHNICAL DETAILS

- 2.1 Side Member FRP Pultruded 'C' Section.
- 2.2 Rung Sq. Hollow tube 25mm X25mm.
- 2.3 Construction/assembly of tray. The rungs to side member are connected, will have both mechanical & adhesive lock. The tray shall be assembled by use of a locking pin made of fiberglass reinforced thermoplastic. The locking pin is inserted under pressure by machine with a high strength adhesive. All the bonded parts are surface prepared for maximum adhesion. All straight sections are pre drilled for Coupler plates. All cut ends shall be resin coated.
- 2.4 Length of Cable Tray 3000mm, 6000mm.
- 2.5 Width of cable Tray 150mm/ 300mm/ 450mm/ 600mm/ 750mm/900mm.
- 2.6 Rung Spacing 250mm/300mm.
- 2.7 Radius of Fittings 300mm, 600mm, 900mm.
- 2.8 Material of Side Member & Rung Corrosion Resistant Polyester-Isophthalic / vinyl ester, Flame Retardant U.V. Stabilized Resin System and Various types of Glass Fiber. Minimum Glass Content 55 to 60% in all pultruded sections and 30 to 40% for flat sheets and other molded parts.
- 2.9 Ultra Violate Radiation protection : All the composite materials shall have UV Light inhabiting chemical additives to resist degradation from UV.
- 2.10 Flame Retardancy All the composite material shall be retardants & will have flame spread of 25 or less (Class 1Rating) when tested in accordance with ASTM D 635. Pultruded parts are provided with surface veil to achieve maximum chemical resistance.

### ACCESSORIES/FITTINGS.

All Fittings are pre fabricated & will be same specification as of straight trays.

### CONNECTION / COUPLER PLATE & SPLICE PLATES

FRP / Stainless steel Splice plates of various types ie.straight as well as adjustable for angles. This plates should be installed between 0.2 & 0.3 of the length of span of the support. Fastner of SS 304 / SS 316 shall be provided of 6mm/8mm diameter.

### TYPICAL PROPERTIES OF PULTRUDED SECTIONS

- 5.1 ASTM-D-2863-Oxygen Index-30%.
- 5.2 ASTM-D-635 - Flame Spread (Extent of burning) - 25 mm.
- 5.3 ASTM-D-638 -Tensile Strength at break - 30,000 PSI.
- 5.4 ASTM-D-790 - Flexural Strength at break - 30,000 PSI.
- 5.5 ASTM-D-256 - Izod Impact Strength - 25 Ft.-LBS.
- 5.6 ASTM-D-149 - Electric Strength short terms Oil - 35 Kv/inch.
- 5.7 Surface Resistivity - >1012 Ω.

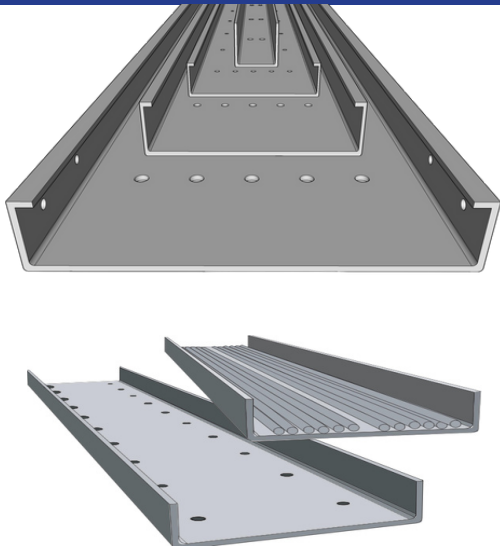
### CORROSION RESISTANCE OF RESIN SYSTEM

Two standard composites resin systems are available. For most of the application polyester Fire retardant (FR-P) is widely used. A vinyl ester composites fire retardant resin system (FR-VE) is used where strong acids (like hydrochloric acid), strong alkalis (like Caustic Soda), organic solvents and halogenated organic conditions exist. Ganga fiberglass cable tray incorporates a synthetic veil on the surface of all structural shapes which causes a resin rich layer which enhances corrosion protection. An abbreviated guide can be provided on request to assist in the selection of the proper resin system for individual application.

# FRP PERFORATED CABLE TRAY

We offer the most extensive range of perforated type cable trays, which are used for the installation of cables, smaller & controlled cables. These trays can accommodate large number of branch lines and have high load-bearing capacity.

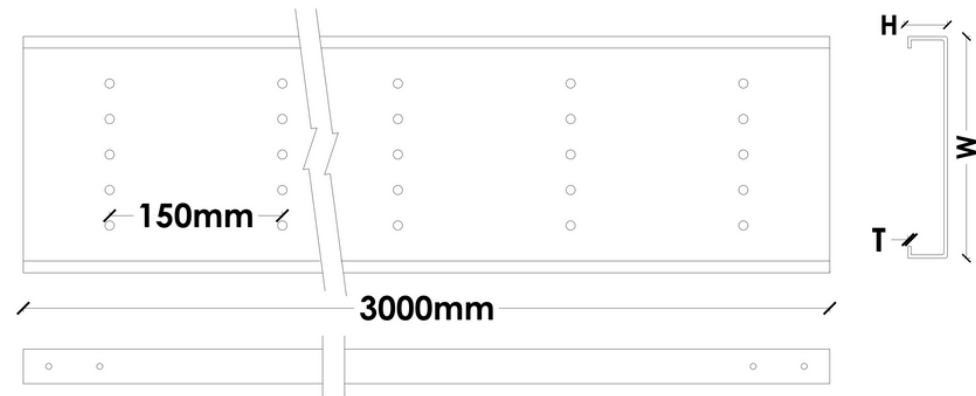
Perforated cable trays can be hung using a center rod support, C-hanger or two-trapeze configuration. They can also be mounted on wall using brackets. For further security, these cable trays are also available with covers. We can also customize the products depending upon the specific requirements.



FRP Perforated Cable Tray			
	Weight	Height	Thickness
1	50mm	25mm	3mm
2	100mm	30mm	3mm
3	150mm	50mm	3mm
4	300mm	50mm	3mm
5	300mm	100mm	3mm
6	50mm	50mm	3mm
7	100mm	50mm	3mm
8	200mm	50mm	3mm
9	300mm	75mm	3mm

## GANGA FRP PERFORATED CABLE TRAY SPECIFICATIONS

- Ganga instrumentation tray is channel type & design for light loads.
- They are available in solid as well as ventilated construction.
- Ganga's Cable tray is available in polyester as well as vinyl ester resin system.
- All sections and pre fabricated fittings are pre drilled to fix coupler plates. All fasteners and coupler plates are separate order items.



FRP PERFORATED CABLE TRAY



## VISION

Our vision at Ganga Fibrotech is to be recognized as the foremost provider of composite materials worldwide. We aim to set new benchmarks in quality and innovation, ensuring customer satisfaction and loyalty.

## Driven By Integrity Powered By Precision

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By fostering strong partnerships with our suppliers and empowering our employees, we envision a future where our company leads the industry in delivering cutting-edge solutions that positively impact society and the environment.



## Best Quality Materials & High Durability



## MISSION

Our mission at Ganga Fibrotech is to be India's leading company with a global presence in the composite material industry. We are committed to achieving sustainable and consistent growth by delivering superior quality products. As a preferred partner for all stakeholders, including customers, suppliers, and employees, we strive to exceed expectations and create long-lasting relationships.





Cement Plants



Power Generation



Green Energy



Pharmaceutical Industries



HVAC Plants



Cryogenic Plants



Food processing plant



Chemical and allied plant

