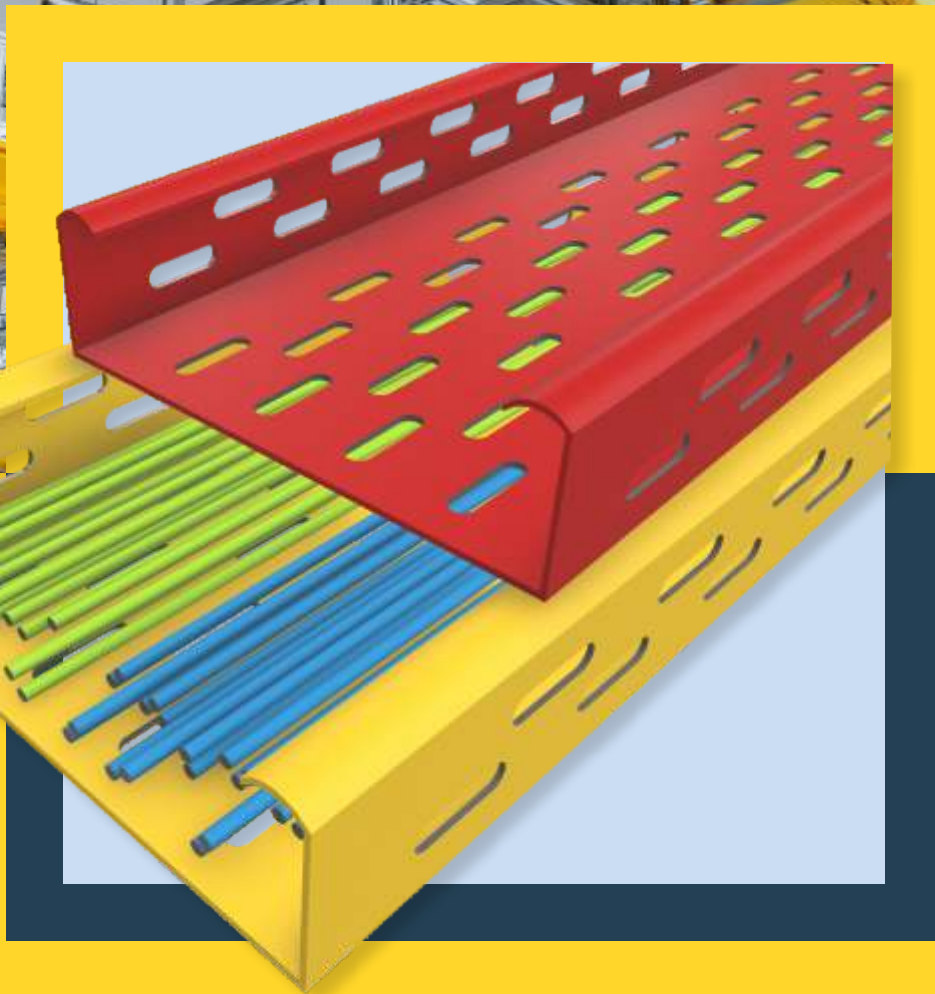


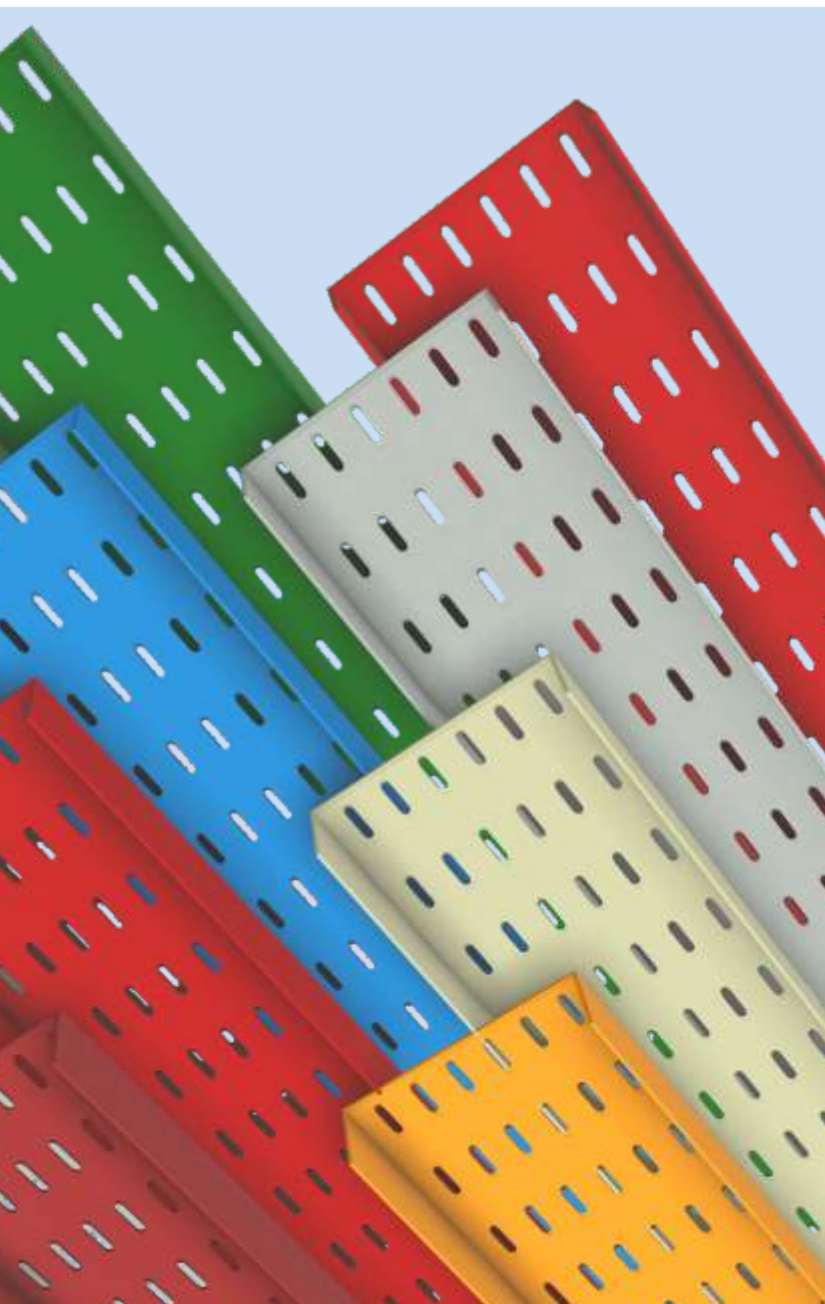
TATA FRP CABLE TRAYS



**NEW MATERIALS
BUSINESS**
An Initiative of Tata Steel

Tata FRP Cable Trays

Tata Steel Ltd. one of the leading steel manufacturers have ventured into Fibre Reinforced Plastic (FRP) cable tray manufacturing to bring in the best in class quality FRP cable trays for catering to the unmet needs of the industry. We intend to support the industry with the customised solutions that comes with world class quality and unmatched performance at an affordable cost. We aspire to be the most trusted partner in the areas of FRP cable tray solutions.



Why FRP

Over the years, the performance of FRP in handling chemicals and harsh environment over other metal counterparts has improved substantially and hence FRP has seen rapid growth in diversified industries such as metal and mining, paper and pulp, power, fertiliser, electroplating, water and waste water treatment industries.

FRP cable trays are corrosion proof, so they can be installed for applications that demonstrate the most service-hostile operational conditions. Light and strong, these fibreglass sections show substantial cost savings over its life cycle, which makes it a preferred choice amongst industries.

Features of Cable Tray

FRP Cable tray are chosen above metal cable trays for their following features:



Physical and Chemical Performance



Non-Conductive



Design Flexibility



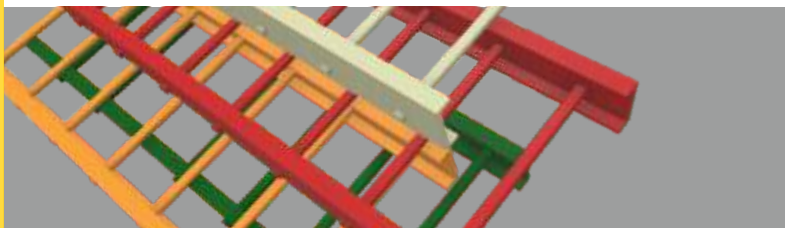
Extensive Application and Long service life



Light Weight



Wide Industry Application



Types of Cable Tray

1 Ladder Type Cable Trays

Technical Data Sheet – Ladder Type Cable Trays

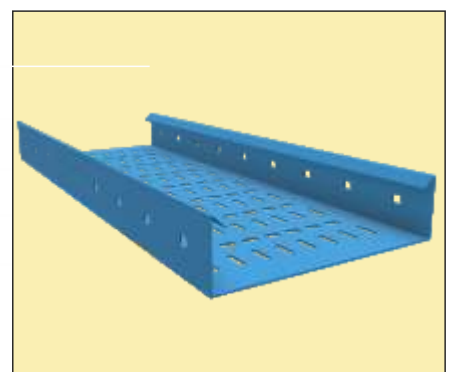
Standard Length	3000mm
Width	150 mm to 1000 mm
Radius Of Bends	300 mm, 600 mm & 900 mm
Rung Spacing	300 mm
Rung Shape	25 mm X 25 mm Square Tubes
Deflection	Less than or equal to Span
Resin System	Unsaturated polyester resin
Manufacturing Process	Pultrusion



2 Perforated Type Cable Trays

Technical Data Sheet – Perforated Type Cable Trays

Standard Length	3000mm
Width	50 mm to 300 mm
Radius Of Bends	300 mm
Deflection	Less than or equal to Span
Resin System	Unsaturated polyester resin
Manufacturing Process	Pultrusion

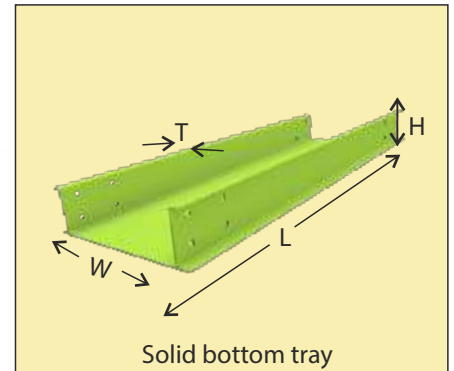


3

Trough Type Cable Trays

Technical Data Sheet – Solid Bottom or Trough Type Cable Trays

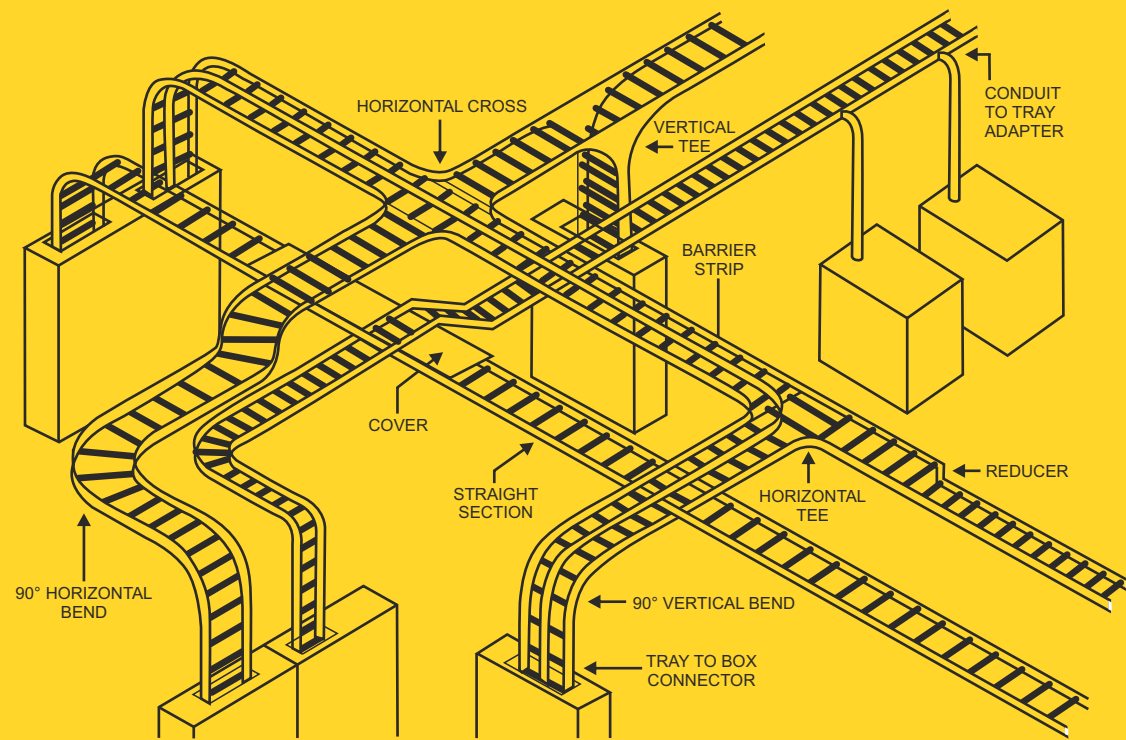
Standard Length	3000mm
Width	150 mm to 1000 mm
Radius Of Bends	300 mm, 600 mm & 900 mm
Rung Spacing	300 mm
Rung Shape	25 mm X 25 mm Square Tubes
Bottom Sheet	3.175 mm, 6.35 mm
Deflection	Less than or equal to Span
Resin	Ultra Violet Resistant, Corrosion Resistant & Fire Retardant
Manufacturing Process	Pultrusion



Accessories

30° / 45° / 60° / 90° HORIZONTAL BEND	30° / 45° / 60° / 90° VERTICAL IN SIDE BEND
30° / 45° / 60° / 90° VERTICAL OUT SIDE BEND	45° VERTICAL OUT SIDE BEND
EQUAL TEE	HORIZONTAL EXPENDING TEE
HORIZONTAL REDUCING TEE	EQUAL CROSS
REDUCER STRAIGHT	REDUCER RIGHT / LEFT HAND





Technical Specifications

The cable trays solutions are designed with standard parameters. Parameters can change according to customer's request.

Codes that are followed for manufacturing are

- NEMA FG1 – National Electric Manufacturers Association current issue for Fibre Glass Cable Tray Systems.
- Loading listed for cable trays are tested under the guideline of the current NEMA standards.
- ASTM D 635 – flame spread
- UV resistance : ASTM G 154

**TATA STEEL recommends to strictly follow cable tray installation guidelines as per NEMA VE 2001.*



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