



About Us

Ferrotech...

Established in the year 2002, Ferrotech Group is recognised as one of the well reputed and leading manufacturer, exporter & supplier of Floor Gratings, Stair Treads, Safety Handrails, Access Engineering Products, Cable Tray, Cable Ladder, Cable Trunking, Wire Mesh Cable Trays & Accessories.



The Industries... We Serve

Oil and Gas Projects, Power and Desalination Projects, Airports, Waste water treatment Plants, Shipbuilding and repair works, Petro chemical projects, Pharmaceutical industries, Cement and Sugar industries, Infra structure projects, Commercial / Residential Projects, Hospitals, Warehouse & Hospitality Projects.

The Products... We Supply

- | | | |
|--------------------------------|---------------------------------|----------------------------------|
| ◆ Cable Tray (Steel/FRP) | ◆ Electro Forged Steel Gratings | ◆ Stainless Steel Gratings |
| ◆ Cable Ladder (Steel/FRP) | ◆ Manual Welded Steel Gratings | ◆ Ductile iron Gratings |
| ◆ Cable Trunking (Steel) | ◆ Press locked Steel Gratings | ◆ FRP / GRP Gratings & Handrails |
| ◆ Wire Mesh Cable Tray (Steel) | ◆ Aluminium Gratings | ◆ Stair Treads / Grating Clips |

Our Presence

FERROTECH INTERNATIONAL FZE	-	UAE
DUBAI ENTERPRISES MODERN TRADING	-	OMAN
FERROTECH STRUCTURALS INDIA PVT LTD	-	INDIA
FERROTECH ENGINEERING LLC	-	OMAN
SAUDI GRATE MARKETING WLL	-	SAUDI ARABIA
FERROTECH FAREAST PTE. LTD	-	SINGAPORE



Cable Management System

Cable Management System

Ferrotech Cable Management System offers a complete range for Electrical contractors to Route and Support from light duty to heavy duty cables. It is flexible to install and applied to serve ideal locations in Oil and Gas Industries, Power Sectors, Industrial Units, Commercial / Residential Projects, etc.,

Material Specification

- ◆ Pre-Galvanized to BS EN 10346
- ◆ Mild Steel to
 - Hot Rolled ASTM A1011 / BS 4360 / EN 10025-2
 - Cold Rolled ASTM A568M / BS 1449:1 / EN 10130
- ◆ Stainless Steel SS 304 / SS 316 to ASTM A240 / BS EN 10088-2
- ◆ Aluminum to 6063

Material Finish

- ◆ Pre-Galvanized (GI) to BS EN 10346
- ◆ Hot Dip Galvanized (HDG) to ASTM A123 / BS EN ISO 1461
- ◆ Power Coated (PC) to Any RAL Colour
- ◆ Painted

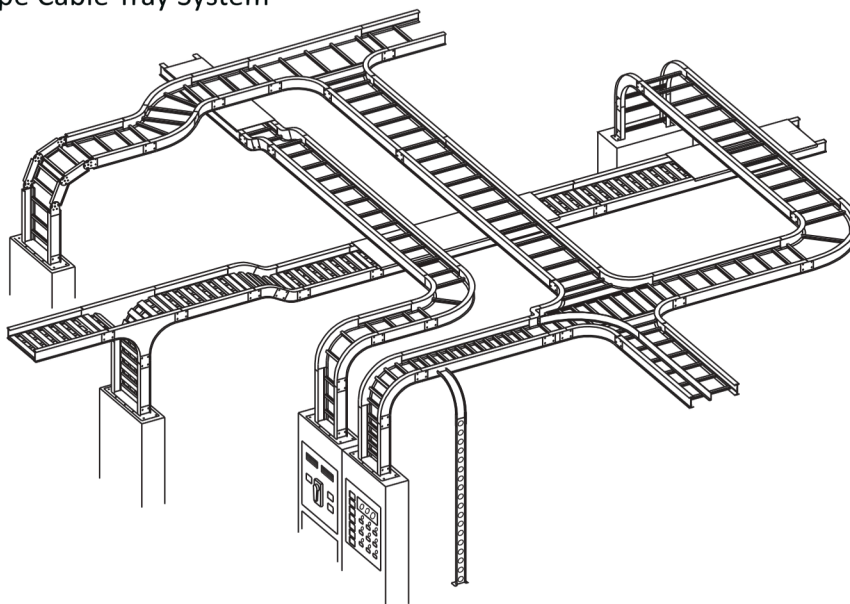
Manufacturing Standards

- ◆ NEMA VE-1
- ◆ BS / IEC 61537

Types of System Available

Ferrotech Cable Management System are available to suit all possible Project Requirements:

- ◆ Perforated Type Cable Tray System
- ◆ Ladder Type Cable Tray System
- ◆ Trunking Type Cable Tray System
- ◆ Wire Mesh Type Cable Tray System





Perforated Type Cable Tray System

Perforated Type Cable Tray System

Perforated Type Cable Tray System is a Prefabricated Metal with Perforations (For Ventilations) ideally suitable to Route Cable for Commercial/ Residential Projects, Substations Etc.,

Straights

Width (mm)	Height (mm)	Thickness (mm)	Length (mm)
50	50/ 100/ 150	1.2/1.5 1.6/ 2.0/ 2.5	2440/ 3000
75			
100			
150			
225			
300			
450			
600			
750			
900			
1050			
1200			



MATERIAL : GI/HDG/PC/PAINTED/SS304/SS316 L/ Al.

Fittings

All Fittings are Available to Ease & to Meet Installation Requirements.

Fittings Assembly List		Fittings Assembly List	
90° Horizontal Bend		Horizontal Tee	
45° Horizontal Bend		Horizontal Cross	
Internal Riser		Center Reducer	
External Riser		LH & RH Reducer	

- ◆ Sizes & Materials as applicable with Straight Runs
- ◆ Plain & Ventilated Covers are Available upon Request



Ladder Type Cable Tray System

Ladder Type Cable Tray System

Ladder Type Cable Tray System is a Prefabricated Side Rails Connected by Rungs as Transverse Elements. Can Carry Maximum Cable Loads & Provides Maximum Ventilation. Ideally suitable to Route Cables for Oil & Gas, Power Projects, etc.,

Straights

Width (mm)	Height (mm)	Thickness (mm)	Length (mm)
50	50/ 100/ 150	1.2/1.5/ 1.6/ 2.0/ 2.5	2440/ 3000
75			
100			
150			
225			
300			
450			
600			
750			
900			
1050			
1200			



MATERIAL : GI/HDG/PC/PAINTED/SS304/SS316 L/ AL.

Fittings

All Fittings are Available to Ease & to Meet Installation Requirements.

Fittings Assembly List		Fittings Assembly List	
90° Horizontal Bend		Horizontal Tee	
45° Horizontal Bend		Horizontal Cross	
Internal Riser		Center Reducer	
External Riser		LH & RH Reducer	

- ◆ Sizes & Materials as applicable with Straight Runs
- ◆ Plain & Ventilated Covers are Available upon Request





Trunking Type Cable Tray System

Trunking Type Cable Tray System

Trunking Type Cable Tray System is a Prefabricated Metal Solid Bottom with or without partitions supplied along with cover ideally suitable for Routing Telecommunication Cables, Computer Cables, etc.,

Straights

Width (mm)	Height (mm)	Thickness (mm)	Length (mm)
50	50/ 100/ 150	1.0/ 1.2/ 1.5/ 1.6 / 2.0	2440/ 3000
75			
100			
150			
225			
300			

MATERIAL : GI/ HDG/PC/PAINTED/SS304/SS316 L/ Al.



Fittings

All Fittings are available to ease & to meet installation requirements.

Fittings Assembly List		Fittings Assembly List	
90° Horizontal Bend		Horizontal Tee	
45° Horizontal Bend		Horizontal Cross	
Internal Riser		Center Reducer	
External Riser		LH & RH Reducer	

◆ Sizes & Materials as applicable to Straight Runs

Wire Mesh Type Cable Tray System

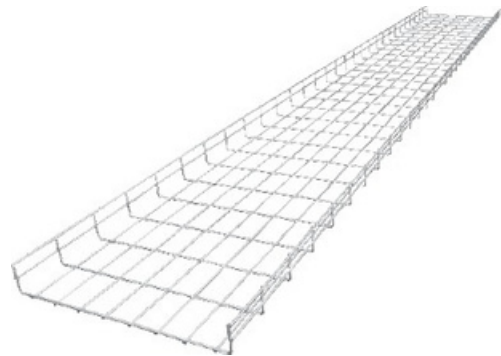


Wire Mesh Type Cable Tray System

Wire Mesh Type Cable Tray System made of Steel Wire, connected together by resistance welding process & Folded. Ideally suitable for Routing Flexible Cables in Commercial/ Residential Projects.

Straights

Width (mm)	Height (mm)	Thickness (mm)	Length (mm)
50	30/ 50/ 100	4.0/ 5.0/ 6.0	2440/ 3000
75			
100			
150			
225			
300			
450			
600			



MATERIAL : GI/ HDG/EPC/ SS304/ SS316 L

Fittings

All Fittings are made from Straight Runs to ease & to meet installation requirements. Straight Runs are supplied & All Fittings can be fabricated on site.

Support Systems

C Channels manufactured by Cold Formed from Rolling Machines acts as a Support Systems for all Types of Cable Tray Systems.

Straights

Dimesions (mm)	Thickness (mm)	Length (mm)
41 x 41	1.5/ 2.0/ 2.5/3.0	2440/
41 x 21		
41 x 82		
41 x 42		

41x82 mm & 41x42 are back to back Channels

MATERIALS - PG/ HDG/ SS304/ SS316 L



- ◆ Different Framing Systems are Available to suit Site Requirements.
- ◆ Ask Ferrotech for more Technical Information to meet your Site Requirements



Accessories & Hardware's



Accessories & Hardware's

Ferrotech Cable Tray Systems is supplied with complete range of Accessories & Hardware's to complete Installation for Contractors.

Some of the Main Accessories & Main Hardware's as listed below:

Accessories		Hardwares	
Standard Coupler		Standard Fasteners	
Adjustable Coupler		Spring Nut	
Cover Clamp		Bonding Jumper	

♦ Ask Ferrotech for more Accessories & Hardware's to suit any Site Requirements



FRP Cable Tray Systems



FRP Cable Tray System

Ferrotech FRP Cable Tray system are Manufactured from Glass Armoured thermoset fire retardant resins. Available in different range, applied for ideal locations where the Metallic systems get easily corroded. Our FRP Cable tray system meet Stringent Fire Retardant requirements & includes advantages as Anti Corrosion, High Strength, No Earthing, UV Resistant, Good Electrical Insulation, Low Thermal Conductivity, etc.,

Resin Types Availability

Resin Type	Resin Base	Description	Flame Spread Rating ASTM E84
Type IFR	Isophthalic Polyester	Industrial Grade Corrosion resistance & fire retardant	Class 1, 25 or less
Type I	Isophthalic Polyester	Industrial Grade Corrosion resistance in acidic environment	Non fire retardant
Type V	Vinyl Ester	Superior Corrosion resistance & fire retardant	Class 1, 25 or less

Standards

- ◆ IS 6746 -1994 Specs for Unsaturated Polyester Resin System
- ◆ NEMA FG-1 1984-1993 for Low Pressure Fiber Reinforced Plastics Specification for Fiberglass Tray System
- ◆ Loading Characteristics IS 6746 Appendix K/UL 94 Flame Retardant (Low Flammability/v0)

Types Available

Ferrotech FRP Cable Tray Systems are available in Perforated Type Cable Tray System and Ladder Type Cable Tray System.

FRP Perforated Type Cable Tray System

Width (mm)	Height (mm)	Thickness (mm)	Length (mm)	Resin Type
50	50/ 100	3 mm To 4 mm	3000	Polyester / Vinyl Ester
100				
150				
100				
300				
450				
500				
600				





FRP Ladder Type Cable Tray System

FRP Ladder Type Cable Tray System

Width (mm)	Height (mm)	Length (mm)	Thickness (mm)	Resin Type
150	75/ 100	3000	3 mm To 4 mm	Polyester / Vinyl Ester
300				
450				
600				



FRP Cable Tray Fittings

Ferrotech FRP Cable Tray System are supplied with fittings like bends, tees, cross, reducers, etc. to ease and to meet the Project Requirements. Sizes will be in line to the supplied Straight Runs. Some of Fittings are listed below.



Accessories & Hardware's

Ferrotech FRP Cable Tray System is supplied with complete range of Accessories which includes FRP Standard Couplers, Expansion Couplers, FRP Angle Plates, FRP Adjustable Splice Plates, FRP Hold Down Clip, FRP/SS Hold Down Clamp, FRP Cover Clamps, Trefoil Clamp, Cable Ties, Blind Plates, Divider Strips, SS Fish plate and suitable Hardware's.



Solar Mounting Structures



Solar Mounting Structures

Ferrotech supplies the mounting structures for Solar Panels in accordance to client requirements. We cover mounting structures for Flat Roof, Inclined Roof & Ground mount installations.

Materials Used

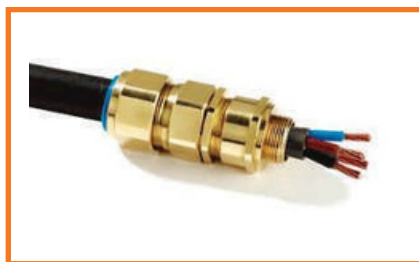
- ◆ ERW Pipes
- ◆ MS Profiles



Other Supporting Products



Cable Ties



Cable Glands



Cable Cleat - 1



Cable Cleat - 2



Trefoil-Clamp



Metallic trefoil clamp

Other Products

Electro forged Steel Gratings & Stair Treads

Ferrograte Electro-Forged Gratings Platforms manufactured by automated forge-welding machines. In the process the bearing bars and cross rods are forged together permanently at every joint under high pressure and current to form rigid structure for demanding Environments as per BS 4592 standards. The Transverse Bars provides high torsion rigidity, yet retain a smooth flat surface for safer Walkways such as Light weight Pedestrian traffic, platforms, drainage covers, etc.



Manual Welded Heavy Gratings

Ferrograte Welded Heavy Duty Gratingd are designed to meet heavy rolling and static loads in highways, plant floors, loading docks, inlet covers & airports. Available in wide range of bar sizes & spacing, can design to meet & withstand from light duty fork lift loads to heavy duty trailers.

Press Lock Steel Gratings

Ferrograte Press Lock Grating in which Load Bearing Bars are pressure locked with cross bars at 12000 KN. Available in hot dip galvanized mild steel, stainless steel & aluminium. These grating have high stability, safety & are used where large support widths and high wheel loads are required.



Ductile Iron Gratings

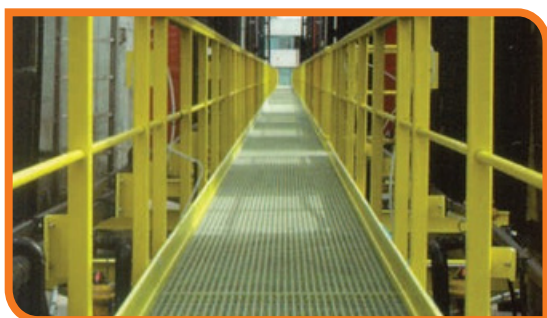
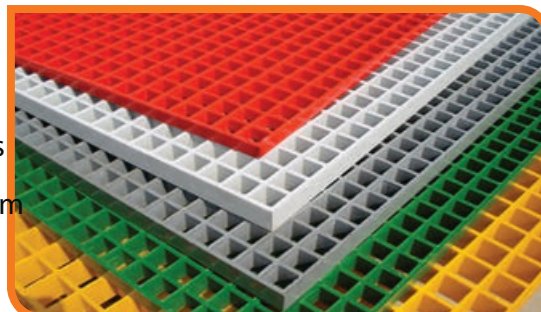
Ferrograte offer wide range of Manhole covers, Channel Gratings, Gully Gratings, Step Irons, etc., Manufactured in Grey Iron (GG20, GG25) and Ductile Iron (GG50) material grades as per BS EN 124 and covers all application sectors.

Other Products

FRP Molded & Pultruded Gratings

Ferrograte FRP model & pultruded grating are available in various resin combinations manufactured with continuous fiberglass strands. alternative product where metallic system gets corroded easily.

It is light weight, fire retardant, electrical insulation, maintenance free corrosion resistance, slip resistance, etc.,



Steel Handrails

Ferrograte offers high quality steel handrails such as welded type custom fabricated & modular type handrail stanchions in tubular or solid bar construction. available in various diameters, designed to withstand various loads with galvanized finish (or) painted finish.

Stainless Steel Products

Ferrograte offers a wide range of stainless steel products such as gratings, ladders, kitchen products, drainage products, etc... ideally suited for applications where the rust / corrosion is a major consideration.



Aluminium Products

Ferrograte offers high quality aluminium products such as gratings, ladders, handrails, access covers, manhole covers etc... used in construction marine sectors, etc...



FERROGRATE

FERROTECH ENGINEERING LLC

P.O.Box : 323, Sohar, Sultanate of Oman
Tel.: +968 26701761, Fax : +968 26701762
E-mail : info@ferrotechengg.com
www.ferrotechengg.com

DUBAI ENTERPRISES MODERN TRADING LLC

P.O.Box : 1688, P.C. 133, Muscat, Sultanate of Oman
E-mail : demtoman@omantel.net.om, info@gulfgrating.com
Tel : +968 24502841, Fax : +968 24502842
www.gulfgrating.com

FERROTECH INTERNATIONAL FZE

P.O.Box : 21023, Ajman, E-19, Ajman Free Zone
United Arab Emirates
E-mail : info@ferrograte.com
Tel : +971 6 740 11 37, Fax : +971 6 740 11 38
www.ferrograte.com

FERROTECH STRUCTURALS (INDIA) PVT.LTD.

1/39-6-3, North Parade Road, St. Thomas Mount
Chennai - 600 016. Tamilnadu, INDIA.
E-mail : info@ferrotechindia.net
Ph : +91 - 44 - 4351 9653, Fax : +91 - 44 - 4351 9652
www.ferrotechindia.net

SAUDIGRATE MARKETING CONSULTANCY WLL

Flat No : 107, 2nd floor, Jasmis Building
Block No : 331, Road No : 20, Building No : 106
Manama, Kingdom of Bahrain.
Tel No : 00973 3881 6800
Email : info@saudigrade.com

BATLLAH MOHD. AL IBRAHIM TRADING EST.

(SAUDIGRATE -Saudi branch)
P.O.Box : 852,Postal Code : 31921
Safwa -Old Postal St - Kingdom of Saudi Arabia.
Tel No : 00966 50 196 4303
Email : info@saudigrade.com, Website : www.saudigrade.com

FERROTECH FAR EAST PTE LTD

1 Venture Avenue, #04-12 Big Box, Jurong East, Singapore 608521
E-mail : prashant@ferrotech.sg
Ph : +65 - 6206 0013, Mob : +65 - 8404 4202
www.ferrotech.sg