

Beta Rigid PVC  
Electrical Conduit  
System

**BETA<sup>®</sup>**  
**PIPES**

**DURABLE**

**Light weight**

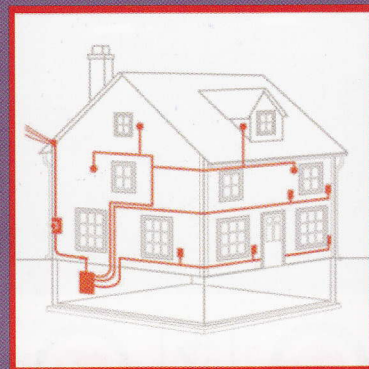
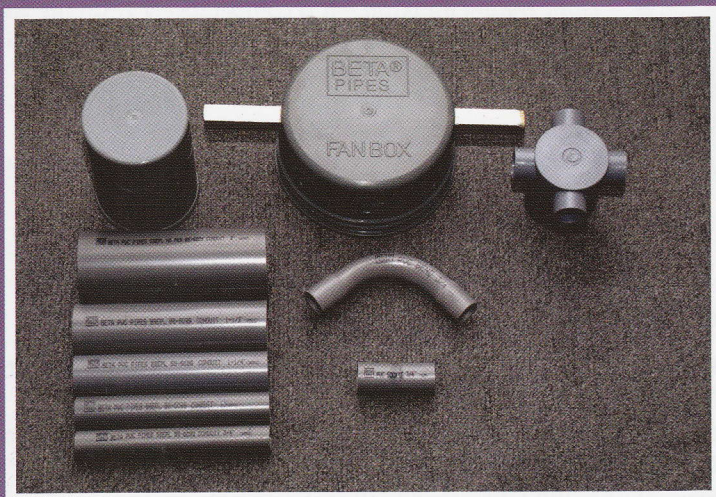
**Non-Conductive**

*Labour Saving*

**Smooth Interior**

**CORROSION RESISTANT**

**Self-extinguishing**



# Beta Rigid PVC Electrical Conduit System

Shafisons Engineering (Pvt). Limited manufactures a complete line of Rigid PVC conduit and fittings. Our complete system is used in above and below ground applications. Beta Rigid PVC electrical conduit pipes are available in 1/2" to 2" diameters in standard length of 10 feet.

Beta Rigid PVC electrical conduit pipes and fittings are used in exposed, encased in concrete, concealed in walls and direct burial applications. Our conduit and fittings are used in many applications, including:

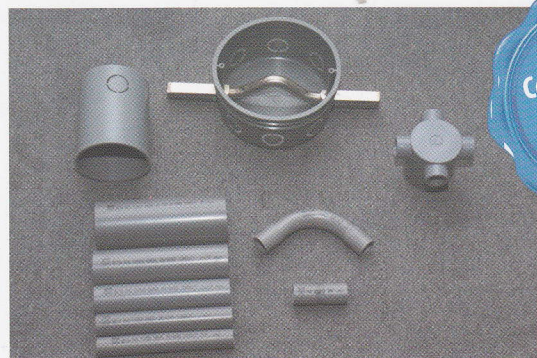
- Cable, data and communication lines
- Institutional, commercial and industrial buildings
- Residential applications, including service entrances
- Transportation systems - bridges, tunnels and airports

Keeping in view of quality, beta electrical conduit system is manufactured from PVC in conformity with BS-6099. Beta electrical conduits are most valued by our clients because of superior quality and excellent after sales services.

## Dimensions of Rigid PVC Conduits

Beta Rigid PVC Electrical Conduits are available in following dimensions.

Nominal Size (In.)	Outside Diameter (mm)		Wall Thickness (mm)	
	Min.	Max.	Min.	Max.
1/2	17.0	17.3	0.96	1.16
3/4	21.2	21.5	1.09	1.29
1	26.6	26.9	1.16	1.36
1 - 1/4	33.4	33.7	1.44	1.67
1 - 1/2	42.1	42.4	1.60	1.84
2	60.2	60.5	1.70	1.90



In addition, non-pressure pipes are also manufactured in conformity with BS-3506, generally used for cable ducting and other non-pressure applications.

Nominal Size (In.)	Outside Diameter (mm)		Wall Thickness (mm)	
	Min.	Max.	Min.	Max.
3	88.7	89.1	1.8	2.1
4	114.1	114.5	2.3	2.6
6	168.0	168.5	3.1	3.4
8	218.8	219.4	3.1	3.4

## Fittings

We offer a complete line of fittings to be used with our conduit.

- Bends – Short and Long Radius (1/2" to 4")
- Sockets (1/2" to 4")
- Junction Box – Wall and Roof Type
- Saddle Clip
- Fan Box
- Light Box (3" and 4")

## Quality Management

Beta Rigid PVC pipes are inspected and tested by qualified Quality Control professionals in our state of the art laboratory for conformance to the specifications to ensure standardization of the supplied products as per national and international standards. The scope of quality control tests ensures that the dimensional, mechanical (bending test, compression test, impact test and collapse test) and electrical (insulation resistance and electric strength test) characteristics of the products conform to the relevant standard. In addition, we reinforce our quality control and quality assurance by having our products tested by reliable third party authorities.

## Benefits:

- **Corrosion Resistant** - As they will not rust or corrode from electrochemical and galvanic environments.
- **Non-Conductive** since PVC is an insulated material.
- **Self-extinguishing** – No fire hazard, inhibit fire growth.
- **Durable** - No degradation of material
- **Light Weight Material** – It is comparatively 1/5th the weight of steel and half the weight of aluminum, therefore making it easier to move and handle.
- **Labour Savings** - It is easy to install, cut and join without the requirement of any special tools.
- **Smooth Interior** - Wire is not damaged when pulled through.

## Shafisons Engineering (Pvt.) Ltd.

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