



**BALCO®**

**THE RIGHT CHOICE,  
FOR DECADES**



**CONDUITS | FITTINGS | uPVC PIPES | GARDEN HOSES | SOLVENT CEMENT**



## ABOUT US

**BALCO**<sup>®</sup> is one of the leading brand in Rigid PVC Electric Conduits, Electrical fittings, uPVC pipes, Solvent Cement & Garden Hoses. Also, we are the first to receive ISI (IS 9537 part 3) certification in Rigid PVC Electric conduit manufacturing in Kerala.

It was in 1991 that we began our journey in Rigid PVC Electric Conduits manufacturing. We have travelled a long way to become the most trusted and reliable uPVC and Rigid PVC Electric Conduits manufacturers with a commitment to deliver supreme quality products with utmost care and concern focused on health, quality & durability.

This has led to the innovation of healthier uPVC pipes with lesser amount of lead content than what is stipulated by the Bureau of Indian Standards (IS 4985:2000)

## FIELD OF APPLICATION

**BALCO**<sup>®</sup> Rigid PVC Electric Conduits are recommended for use in all places for electrical installation where safety and protection of people and the building are considered to be important, viz. Factories, Industrial & Commercial Complexes, Power Stations, Oil Refineries, Trains, Street Tunnels, Railway Stations, Airports, Hospitals, Schools, Conference Halls, Military Installations, Civil Defence Shelters etc..

# ADVANTAGES OF BALCO<sup>®</sup> CONDUITS

- We deliver the highest quality Rigid PVC Electric Conduits and Electrical Fittings.
- Our products are highly durable, lightweight, monotonic and non-corrosive.
- Easy installation and long lasting nature of Rigid PVC Electric Conduits avoid periodical maintenance.
- BALCO<sup>®</sup> Rigid PVC Electric Conduits can be bent at any angle thus to avoid expenses for Electrical fittings like bends, elbows etc.\*
- Our Rigid PVC Electric Conduits are manufactured from high impact resistant PVC which is specially formulated to meet superior standards.
- We have hot stamping on every meter length so as to avoid duplication.
- Our Rigid PVC Electric Conduits are the first of its kind in Kerala who received ISI certification.
- Our Rigid PVC Electric Conduits have been approved by Kerala PWD, CPWD, Railway, BSNL etc.  
(\* 16mm, 20mm & 25mm conduits can be bent using spring, thus limiting the use of added fittings.)



## SPECIAL FEATURES

- Non-conductor of electricity.
- High mechanical strength for covered and open applications.
- Non-destructive in nature and resistant to chemical and galvanic erosion.
- Doesn't bolster ignition and are self-smothering.
- Lightweight and easy to handle, introduce and transport.
- Smooth internal surface for simple wiring; adaptability for long span twisting.
- Flame retardant and low smoke in nature.

## RANGE OF PRODUCTS

(16 mm, 20 mm, 25 mm, 32 mm, 40 mm, 50 mm, 63 mm)

- 16 mm to 63 mm light mechanical stress conduits
- 16 mm to 50 mm medium mechanical stress conduits
- 20 mm to 50 mm heavy mechanical stress conduits

## TESTS UNDERGONE

- Marking
- Dimensions
- Wall Thickness
- Bending in Room Temperature
- Bending at -5 degree Celsius
- Impact Test
- Compression Test
- Collapse Test
- Electric Strength
- Insulation Resistance
- Resistance to Heat
- Resistance to Burn

## BALCO<sup>®</sup> RIGID PVC ELECTRIC CONDUITS AS PER IS : 9537 - PART 3

Nominal outside diameter	Tolerance on outside diameter	Minimum inside diameter		
		Light	Medium	Heavy
16	-0.3	13.70	13.00	
20	-0.3	17.40	16.90	15.80
25	-0.4	22.10	21.40	20.60
32	-0.4	28.60	27.80	26.60
40	-0.4	35.80	35.40	34.40
50	-0.5	45.10	43.30	43.20
63	-0.6	57.00		

**BALCO® PRODUCT SPECIFICATION ( ELECTRIC )**

Sl. No.	Product Name	Colour	Size	Grade/ variety	HSN Code	ISI certification no.
1	Rigid PVC Electric Conduits	Black & Ivory	16 mm - 63 mm	light/medium/heavy	39172310	IS 9537 Part-3
2	PVC Electrical Conduits Fittings (ISI)					
	a. Spout type Circular Box (Junction box)	Black & Ivory	20 mm	1 way 2 way 3 way 4 way	39174000	IS 3419
	b. Spout type Circular Box- deep (Junction box)	Black	20 mm	1 way 2 way 3 way 4 way		
	c. Spout type Circular Box (Junction box)	Black & Ivory	25 mm	1 way 2 way 3 way 4 way		
	d. Spout type Circular Box - deep (Junction box)	Black	25 mm	1 way 2 way 3 way 4 way		
	e. Slip type Coupling Bend (long)	Black & Ivory	20 mm			
	f. Slip type Coupling Bend (long)	Black & Ivory	25 mm			





**Ivory Conduits and Fittings**



**Conduits**



**Junction Box**



**Couplers**



**Long Bends**



**90° Elbows**



**Conduits**



**Junction Box**



**Short Bends**



**Couplers**



**90° Elbows**

# OUR CLIENTS

We have a varied list of clients both in government and private sector. Consistent product quality ensures repeated business with our customers. Some of our prestigious customers are as below.





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