



ONLY THOSE PRODUCTS BEARING
THE ABOVE MARKS ARE CERTIFIED

**PIPING SYSTEM FOR
PROTECTION OF
CONCEALED WIRING**

INTRODUCTION

Fire is one of the major hazards to life and property, and electrical installations are perhaps one of the primary sources for generation and propagation of fire. Protection of cables and raceways against fire is therefore an important and primary consideration in the design and industry standards. Astral Wire Guard conduit pipes and fittings have good impact strength, low conductivity and chemical resistance. They have high heat deflection temperature and ductile behaviour even at low temperatures.

Astral Wire Guard conduit is available in three different wall thicknesses with the thin wall variety being suitable for embedded use in concrete and heavier grades suitable for direct burial and exposed work. Astral Wire Guard conduit pipes and fittings resist moisture and most corrosive substances. Joints to fittings are made with slip-on solvent welded connections, which stick on rapidly on assembling and attain full strength in about few hours.

WIDE APPLICATIONS

Astral Wireguard Conduit Pipes & Fittings have applications in Apartments, High rise building, Hotels, Hospitals, Shopping Malls, Parking, Factories

FEATURES

- High corrosion resistant
- Fire resistant
- Non-conductive
- Light weight
- Easy wiring
- Easy installation
- High mechanical strength
- No maintenance
- Durability

PRODUCT RANGE

Astral Rigid uPVC Wire Guard conduit pipes are manufactured in accordance with Bureau of Indian Standards specifications IS:9537 (Part-3) in the range of 20 mm to 63 mm with light, medium and heavy range. Thicknesses with the thin-wall variety only suitable for embedded use in concrete.

COLOUR

Astral Wire Guard electrical conduits are available in Black & Ivory Colours. Other colours are available on request.

MARKING COLOUR CODES FOR CLASS OF PIPES

- BLUE** : Light Mechanical Strength (LMS)
YELLOW : Medium Mechanical Strength (MMS)
WHITE : Heavy Mechanical Strength (HMS)

APPROVALS



DIMENSIONAL DETAILS OF uPVC CONDUITS AS PER IS:9537 (Part-3)

* All dimensions are in mm

Out Side Diameter in mm	Tolerance on OD	Light			Medium			Heavy		
		Min. ID	Min. Wall Thickness	Max. Wall Thickness	Min. ID	Min. Wall Thickness	Max. Wall Thickness	Min. ID	Min. Wall Thickness	Max. Wall Thickness
20	-0.3	17.4	1.15	1.30	16.90	1.40	1.55	15.80	1.95	2.10
25	-0.4	22.1	1.25	1.45	21.40	1.60	1.80	20.60	2.00	2.20
32	-0.4	28.6	1.50	1.70	27.80	1.90	2.10	26.60	2.50	2.70
40	-0.4	35.8	1.90	2.10	35.40	2.10	2.30	34.40	2.60	2.80
50	-0.5	45.1	2.20	2.45	44.30	2.60	2.85	43.20	3.15	3.40
63	-0.6	57.0	2.70	3.00	-	-	-	-	-	-

uPVC ROUND CONDUIT PIPES

uPVC PLAIN END CONDUIT PIPES



LMS | MMS | HMS

uPVC SOCKET END CONDUIT PIPES



LMS | MMS | HMS

CORRUGATED PIPES



uPVC ROUND CONDUIT FITTINGS

CIRCULAR BOX TERMINAL (1 WAY) 	CIRCULAR BOX ANGLE (2 WAY) 	CIRCULAR BOX THROUGH (2 WAY) 	CIRCULAR BOX TEE (3 WAY) 	CIRCULAR BOX INTERSECTION (4 WAY) 	DEEP CIRCULAR BOX TERMINAL (1 WAY)
DEEP CIRCULAR BOX ANGLE (2 WAY) 	DEEP CIRCULAR BOX THROUGH (2 WAY) 	DEEP CIRCULAR BOX TEE (3 WAY) 	DEEP CIRCULAR BOX INTERSECTION (4 WAY) 	BRANCH 2 WAY (U) 	BRANCH 3 WAY (Y)
CIRCULAR EXTENSION RING 	BRANCH 4 WAY (H) 	LOOP IN BOX 	CIRCULAR LID 	REDUCER 	COUPLER
ROUND ELBOW 	SLIP TYPE BEND SLIP TYPE BEND (ISI) 	ROUND TEE 	FEMALE BUSH ADAPTER 	SPACE BAR SADDLE 	SADDLE STRAP
ROUND 'U' CLIP 	INSPECTION ELBOW 	INSPECTION TEE 	INSPECTION BEND 	ADAPTABLE BOX WITH LID 	SWITCH BOX FLUSH MOUNTED
SURFACE SWITCH BOX 	LID SURFACE SWITCH BOX 	ELECTRICAL JUNCTION FLUSH BOXES 	FAN BOX WITH ROD 	FAN BOX WITHOUT ROD 	SOLVO BOND PLUS



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