

ASTRAL PIPES









PIPING SYSTEM FOR PROTECTION OF CONCEALED WIRING



CONDUIT PIPES FOR PROTECTION OF WIRES AND CABLES

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







ONLY THOSE PRODUCTS BEARING THE ABOVE MARKS ARE CERTIFIED

DIMENTIONAL 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 uPVC SOCKET END CONDUIT PIPES

CORRUGATED PIPES







uPVC ROUND CONDUIT FITTINGS CIRCULAR BOX

CIRCULAR BOX TERMINAL (1 WAY)









CIRCULAR BOX

CIRCULAR BOX INTERSECTION (4 WAY)







DEEP CIRCULAR







BRANCH 3 WAY (Y)

DEEP CIRCULAR





BRANCH





REDUCER















SADDLE STRAP







INSPECTION BEND





SURFACE **SWITCH BOX**





LID SURFACE



ELECTRICAL JUNCTION





SOLVO BOND PLUS







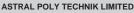












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