Rigid PVC Conduit, 16–63 mm

Avonplast rigid non-metallic conduit is manufactured to the IS:9537 standard in three wall grades. Light, strong and corrosion free, with a smooth bore for fast wiring. The print colour on the pipe marks its grade.

Wall Grades

Light
Concealed work with limited mechanical stress. Marked orange.

Medium
General purpose conduit for most installations. Marked red.

Heavy
Exposed runs and demanding sites. Marked green.

Dimensions to IS:9537

Nominal O.D. (mm)	Min I.D. (mm)	Light	Medium	Heavy	Max eccentricity	Max ovality
16	15.7	13.7	13.0	12.2	0.2	0.5
20	19.7	17.4	16.9	15.8	0.2	0.5
25	24.6	22.1	21.4	20.6	0.2	0.5
32	31.6	28.6	27.8	26.6	0.2	0.5
40	39.6	35.8	35.4	34.4	0.2	0.5
50	49.5	45.1	44.3	43.2	0.4	0.6
63	62.4	57.0	–	–	0.4	0.8

All dimensions in millimetres. Light, Medium and Heavy columns give the minimum inside diameter for each wall grade per IS:9537 (1983) Part 3.

Material Properties

Tensile strength
>500 kg/cm²

Breakdown voltage
18 KV/mm

Specific gravity
1.4

Weight vs steel conduit
1/6th

Insulation resistance at 500V
4×10^{4} MΩ

Fire behaviour
Self-extinguishing

Also Available

Non-ISI Rigid PVC Conduits — five mechanical grades, 16–25 mm, for projects that need a more adaptable format. A full range of matching fittings and accessories completes the system: junction boxes, bends, sockets, elbows, tees and saddles.

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