



DATA SHEET

Borehole Accessories

PVC BOREHOLE PIPES



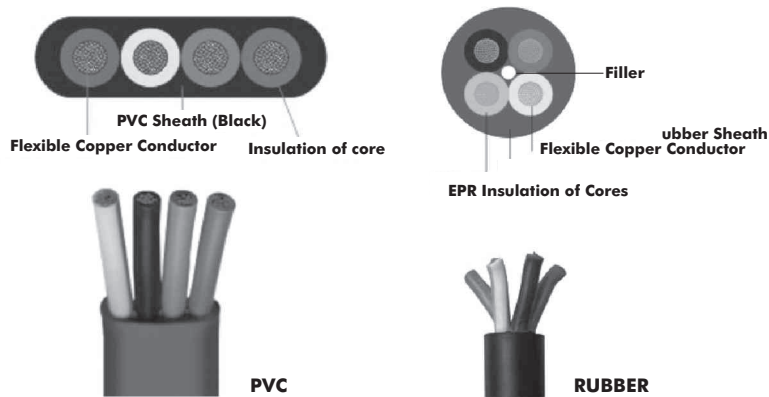
Dayliff PVC Borehole pipes are specially designed for all borehole installations being exceptionally strong and having an extremely secure jointing arrangement. Their many benefits include:-

- Made from strong non corroding uPVC for long life
- Deep square thread spigot ends with rubber joint for easy coupling and an assured seal
- Smooth surface finish reduces hydraulic friction and increases pump efficiency
- Very light and easy to handle
- Suitable for water temperatures up to 70°C
- Economical to buy and install

Dayliff PVC Borehole pipes are available in 3m lengths in sizes from 1 ¼" to 2 ½" and all installations include steel pump and well head connectors. For extra deep installations a piping/connector bracing kit is available for additional security. They offer very considerable advantages over traditional steel pipe alternatives and are the ideal solution for all borehole pump installations.

Size		Pipe Outer Diameter (mm)	Outer Diameter over socket (mm)	Wall Thickness (mm)	Ultimate Breaking Load (kg)	Safe Pulling Load (kg)	Max Allowable Pressure (bar)	Safe Total Pump Delivery Head (m)	Weight (3m pipe)	
(mm)	(in)								Pipe only (kg)	Pipe + Water (kg)
32	1 ¼	42	55	5.3	2,600	1,740	25	250	2.5	5
38	1 ½	48	62	5.4	3,000	1,972	26	260	3	6.4
50	2	60	79	6.5	3,800	2,436	20	200	4	10
65	2 ½	73	95	6.8	5,000	3,600	16	160	5	15

SUBMERSIBLE CABLES



Dayliff submersible cables are specially selected for motor power supply in all borehole pumping applications. They are of 4-core type and available in sizes from 1.5 to 25mm², all using plain annealed flexible copper strands as the conductor. All cables are designed for heavy duty use with excellent resistance to oils, chemicals and solvents and are suitable for temperatures up to 40°C. Two types are available, round blue rubber sheathed to HO7RN-F specifications with conductor sheath coloured brown, blue, black and yellow/green and red, yellow, green, blue for the blue PVC sheathed flat cable.

Size (mm)	Current rating, (Amps)	Conductor Resistance, (ohms/km)	No of 0.3mm Wires	Rubber Round Cable		PVC Flat Cable		
				Diameter (mm)	Weight/m (kgs)	Thickness (mm)	Width (mm)	Weight/m (kgs)
1.5	14	12.1	22	11.2	0.16	6.0	15.8	0.16
2.5	18	7.4	36	13.0	0.22	6.5	18.0	0.22
4	26	4.95	56	14.9	0.32	7.6	21.0	0.31
6	31	3.3	85	17.5	0.44	7.9	24.3	0.43
10	42	1.91	140	22.6	0.74	9.9	29.7	0.66
16	57	1.21	226	27.1	1.09	11.8	36.0	0.96
25	72	0.78	354	32.7	1.65	14.7	45.1	1.52

Cables should be sized to limit voltage drop from power source to motor to a maximum of 5%. See table on Page 278 for ratings.

WELL HEADS



Dayliff Well heads are complete units to terminate the top of a borehole. They comprise a strong steel borehole cover plate with dipper access, drop cable/surface cable junction box and pump outlet with valve, test tee, pressure gauge connection and union. They are available as standard in sizes from 1 1/4" to 4" for both 6" and 8" boreholes, though other specifications are available to special order.

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