

PVC Non Pressure Pipe - Conduit

Application

Designed to protect cables in a range of buried and above ground installations

Features

- Australian made
- Manufactured from Best Environmental Practice PVC
- Installation economics
- Operation efficiencies
- Corosion resistant
- Light weight
- Electrically nonconductive



Physical and Mechanical Properties

Specific gravity	1.45
Yield strain	5.50%
Compressive strength	66MPa
Ultimate tensile strength	52 MPa
Tensile modulus (Young's)	2750 MPa

Thermal Properties

Coefficient of linear thermal expansion	$7 \times 10^{-6} / ^\circ\text{C}$
Thermal conductivity	0.19 W/m.K
Specific heat	1045 J / kg .K
Maximum practicable working temperature	60°C

Fire Resistance

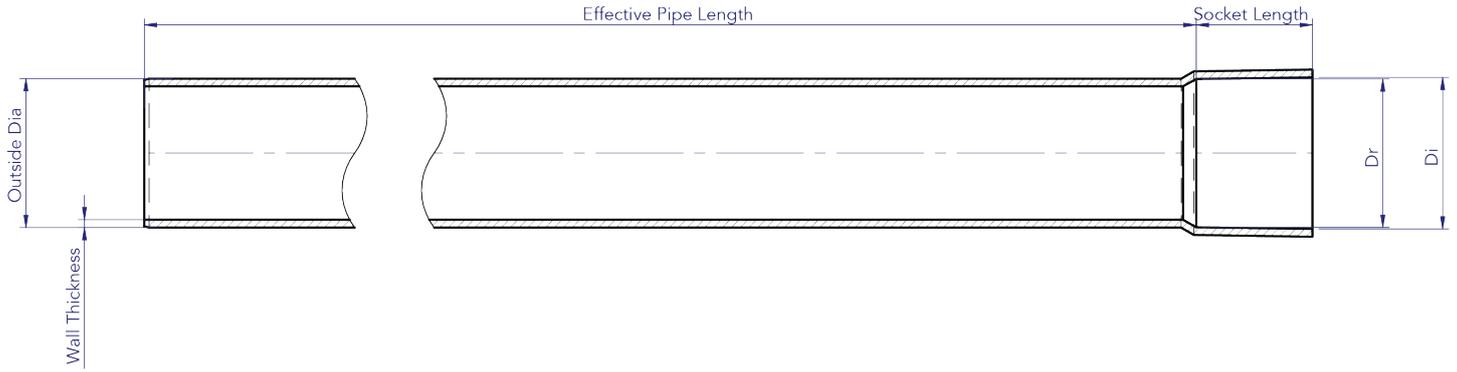
Flammability	Self-extinguishing. Will not support combustion
Ignitability - AS 1530.3	7*
Smoke development - AS 1530.3	9*
Spread of flame - AS 1530.3	0*
Heat evolved - AS 1530.3	2*
*AWTA Product Testing, test report number 7- 558788-CV	

Electrical Properties

Volume resistivity	10^{16} Ohm.cm (60% RH)
Surface resistivity	$10^{13} - 10^{14}$ Ohm

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Dimensions

Dimension [mm] (Minimum measures shown)				
Product code	P600634	P6001004	P9001006	P6001504
Nominal Dia	63	100	100	150
Description	63 HD COND PIPE SWJ	100 HD COND PIPE SWJ	100 AUSTEL PIPE SWJ	150 HD COND PIPE SWJ
Outside diameter (mean)	62.7	114.1	114.1	160
Wall thickness min	3.9	5.9	4.5	8.3
Socket length	50	99	99	124
Effective length	4000	4000	6000	4000
Socket mouth ID - Di	63.1	114.8	114.8	160.8
Socket root ID - Dr	62.4	113.5	113.5	159.4
Kg/Length	4.52	7.85	10.4	16.2
Colour	Orange	Orange	White	Orange
Standard	AS/NZS 2053 (various parts), AS/NZS 4296, AS/NZS 5033, AS 4702			