

PVC Electrical and Telecommunications

EHDOW100D

100 S/WALL HD COND PIPE SWJX4M WHITE COMMS



Application

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

Features

- Australian made
- BEP PVC - manufactured from Best Environmental Practice
- Corrosion resistant
- Electrically nonconductive

Technical Data

Product Properties

Material	PVC
Colour	White
Joint type	Solvent Weld Joint
Rating	HD
Unprotected UV exposure	2 Years

Product Dimensions

Minimum effective length	4.0m
Mean Pipe OD	114.3mm
Mean Pipe ID	101.7mm
Wall thickness	6mm

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Material Properties

Specific gravity	1.43 – 1.5
Ring bending modulus (3 mins)	3200MPa
Ring bending modulus (50 years)	1200MPa
Poisson's ratio	0.38

Thermal Properties

Coefficient of linear thermal expansion	$7 \times 10^{-5}/^{\circ}\text{C}$
Thermal conductivity	0.138 W/m.K
Maximum practicable working temperature	60°C

Fire resistance

Flammability	Will not support combustion
Ignitability - AS 1530*	7
Smoke development - AS 1530*	9
Spread of flame - AS 1530*	0
Heat evolved - AS 1530*	2

* AWTA test report number 7-558803-CV

Electrical

Volume resistivity	10^{15} ohm.cm
Surface resistivity	$\geq 10^{13}$ ohm
Power factor	0.02 @ 10^6 Hz
Dielectric constant	3.0 – 3.2 @ 106 Hz

Standards

Product standard	Referenced Australian electrical and telecommunications product standards include: AS/NZS 2053 (various parts) AS/NZS 61386.1 AS/NZS 61386.21 AS/NZS 4296 AS/NZS 5033 AS 4702
Environmental accreditation	Best Environmental Practice PVC - BEP PVC Certificate No. BEP-PVC 0037

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