

PVC Electrical and Telecommunications

**EHDO150D**

150 S/WALL HD COND PIPE SWJX4M ORG ELEC



**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	Orange
Joint type	Solvent Weld Joint
Rating	HD
Unprotected UV exposure	3 months

**Product Dimensions**

Minimum effective length	4.0m
Mean Pipe OD	160mm
Mean Pipe ID	142.7mm
Wall thickness	8.8mm

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**Material Properties**

Specific gravity	1.43 – 1.5
Ring bending modulus (3 mins)	2750MPa
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	0.19 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
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Environmental accreditation	Best Environmental Practice PVC - BEP PVC Certificate No. BEP-PVC 0037
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