

PVC Electrical + Telco

# EHCX13180M

## DN180 SDR13.6 PE100 Polyethylene Pipe Electrical Co-Extruded Orange X 12m



### Application

Designed to protect cables in a range of buried applications

### Features

- Australian Made
- BEP PVC - Manufactured from Best Environmental Practice PVC
- Corrosion resistant
- Light weight
- Electrically nonconductive

## Technical Data

### Product Properties

Material	Polyethylene
Colour	Orange coating
Joint type	Electrofusion, compression, butt-weld, mechanical
Rating	SDR13.6
Unprotected UV exposure	2 years

### Product Dimensions

Length	12m
Size	180mm
Inner diameter	152.8mm
Wall thickness	13.3mm

### Material Properties

Yield strain	10%
Yield stress	25MPa
Compressive Strength	32MPa
Tensile modulus	900MPa
Hardness shore D	63
Poissons ratio	0.4
Design stress	8MPa
Ring bending modulus - 3mins	950MPa
Ring bending modulus - 50 years	260MPa

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Electrical Co-Extruded Orange X 12m**

**Thermal**

Coefficient of thermal expansion	1.8x10 <sup>-4</sup> /°C
Thermal conductivity	0.38W/m.K
Specific heat	1.9kJ/kg.K°C
Vicat softening temperature	116°C

**Fire resistance**

Flammability	Supports combustion, will burn when sufficient heat and oxygen are provided
Ignitability - AS 1530*	13
Smoke Development - AS 1530*	3
Spread of flame - AS 1530	7
Heat evolved - AS 1530*	7

<sup>1</sup>AWTA test report number 7-558803-CV

**Standards**

Product standard	Manufactured to the dimensions of AS/NZS 4130.
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