

# SE023

## Earthing Cable 4mm<sup>2</sup>

Specifications		
Standard	GB/T 5023-2008	
Construction	SOLAR EARTH CABLE 1 X 4.00mm <sup>2</sup>	
Conductor		
Construction Item	Units	4.00mm <sup>2</sup>
Construction	mm	56/0.285±0.008
Material	--	Bare copper wire
O.D.	mm	2.46
Insulation		
Material	--	PVC
Avg.Thick	mm	0.9
Min.Thick	mm	0.71
O.D.	mm	4.30±0.2
Color	mm	Yellow/Green
Twisted Pair		
Ins. Color	--	/
Lay of Strand	mm	/
O.D.	mm	/
Assemble		
Filling	--	/
Lapping	--	/
Drain. Wire	--	/
Covering		
Material	--	/
Avg. Thick	mm	/
Min. Thick	mm	/
O.D.	mm	/
Color	--	/
Armour		
Construction	--	/
Coverage	%	/
Shield		
Material	--	/
Construction	--	/
Coverage	%	/
Jacket		
Material	--	/
O.D.	mm	/
Color	--	/
Surface	--	/
Marking		
PGK DISTRIBUTION V-90 EARTH CABLE 4MM2 450V/750V AS/ NZS5000.2 + Meter Mark		



Electrical Properties	
Voltage Rating	450/750V
Temperature Rating	70°C
Dielectric strength	AC-1500V/5min
Spark Test	AC-6000V/In the air
Conductor Resistance	4.95Ω/KM Max at 20°C
Insulator Resistance	0.0079MΩ/KM Min in 70°C
Physical Properties	
Elongation of Unaged Values (%)	≥125%
Tensile strength of unaged values (N/mm <sup>2</sup> )	≥10
Aged in a full draft circulating air oven	80±2.0°C/168h
Elongation of After aging (%)	≤30%
Tensile strength of After aging (%)	≤30%
Heat shock test	No Breaking
Cold Bend Test	No Breaking
Deformation test	≤50%(250gf)
Flame Test	

**Please Note:**

Please consult with your Electrician/Engineer to ensure suitability for the intended application and installation.

PGK Distribution takes every precaution to ensure the information in this publication is correct but accepts no liability of any kind and reserves the right to change any detail in this catalogue without notification.

**PGK Distribution**

**VIC Main Office**

8 Mohr St Tullamarine, Vic 3043

T: 1300 PGK SOL