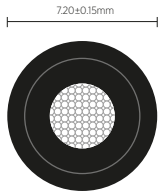


SE014B

PV1-F 1x6mm²



Technical Specifications:

Conductor	Stranded Tinned Copper (IEC 60228 Class 5) 84/0.30
Insulation	Halogen free crosslinked polyolefin COLOUR: Black
Jacket	Halogen free crosslinked polyolefin COLOUR: Black
OD	7.2±0.1mm
Marking	PGK DISTRIBUTION DC SOLAR CABLE V-90 DO NOT DISCONNECT UNDER LOAD 1X6.00mm ² TUV PV1-F MAX DC LOAD 1000V

Application

Application	Suited for connecting photovoltaic system components inside and outside buildings and equipment
Rating Voltage	600/1000V AC, 1000/1800V DC
Working Temperature	-40-90°C
Max Conductor Temperature	125°C
Short Circuit Temperature	280°C
Bend Radius	5XD
Life Period	>25 years

Performance

Maximum resistance of conductor at 20°C	3.39Ω/km
Insulation resistance at 20°C	≥10 ¹⁴ Ω•cm
Insulation resistance at 90°C	≥10 ¹¹ Ω•cm
Surface resistance of sheath	≥10 ⁹ Ω
Voltage test of finished cable	6.5kV/5min, no breakdown
DC voltage test of insulation	900V, 240h(85°C, 3%NaCl) no break
Tensile strength of insulation	≥6.5Mpa
Elongation of insulation	≥130%
Tensile strength of sheath	≥8.0Mpa
Elongation of sheath	≥125%
Shrinkage resistance	≤1.96%
Acid & alkali resistance	EN60811-2-1
Ozone resistance	EN50396
UV resistance	HD 605/A1
Dynamic penetrate force	2 pfg 1169/07.2008
Winding at low temperature (-40°C, 16h)	No crack
Impact at low temperature (-40°C, 16h)	No crack
Fire performance	IEC60332-1
Halogen free	PH≥4.5.HCL≤0.45%.HB≤0.5%F≤0.1%
Thermal endurance test	EN60216-1, EN60216-2, T1120

PGK Distribution

Melbourne - Head office
8 Mohr St Tullamarine, Vic 3043
T: 1300 PGK SOL

Brisbane
2/21 Hugo Place Mansfield, QLD 4122
T: 1300 PGK SOL

Sydney
1/194 Military Rd Guildford, NSW 2161
T: 1300 PGK SOL