

# Foster Wills Photovoltaic Wire Specification Data Sheet

Foster Wills Alternative Energy  
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UL Rating: UL4703-PV      Reg. #      ZKLA.339768  
TUV Rating: TUV 2 PfG 1169      File #      R50132814

## Description:

Conductor: Stranded Tined Copper  
Insulation: Halogen Free Cross Linked Polyolefin  
Sheath: Halogen Free Cross Linked Polyolefin

## Characteristics:

Nominal Cross Section: 2.5mm<sup>2</sup>, 4.0mm<sup>2</sup>, 6.0mm<sup>2</sup>  
Rated Temperature: -40°C to +90°C  
Rated Voltage: DC: 1.8kv. AC: 0.6/1kv  
Rated Current: 25 – 32A  
Weathering Resistance: UV  
Burning Behavior: (IEC60332-1)

### Conductor

Nominal Cross Section	2.5mm <sup>2</sup>	4.0mm <sup>2</sup>	6.0mm <sup>2</sup>
Copper Wire Specs	51 strands @0.25mm	56 strands @0.30mm	84 strands @0.30mm

### Insulation

Thickness	0.93mm	0.93mm	0.85mm
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### Sheath

Thickness	0.89mm	0.89mm	0.77mm
Finished Cable OD	6.2±0.1mm	6.2±0.1mm	6.8-7.2mm
Conductor Resistance	<8.22Ω/km	<5.10Ω/km	<3.40Ω/km

