

**DESCRIPTION**

Non-Halogen Cable for 1500V Photovoltaic Power System Class 5 TC Stranding Low Smoke Density and Direct Burial Applied.

**STANDARDS**

IEC 60228, IEC 60332-1-2, IEC 60754, IEC 60811, IEC 61034, IEC 62930  
 EN 50618  
 JCS 4517  
 Interpretation of EETS Article 46  
 ROHS 2011/65/EU

**CABLE CONSTRUCTION**

|                           |                        |
|---------------------------|------------------------|
| Conductor                 | Stranded Tinned Copper |
| Size                      | 4mm <sup>2</sup>       |
| Stranding                 | 52/0.30                |
| Diameter                  | 2.4mm                  |
| Insulation                | XLPO                   |
| Minimum Average Thickness | 0.7mm                  |
| Color                     | White                  |
| Jacket                    | XLPO                   |
| Minimum Average Thickness | 1.1mm                  |
| Color                     | Black                  |
| Diameter                  | 6.0±0.2mm              |

**ELECTRICAL CHARACTERISTICS (at +20°C)**

|                                   |                        |
|-----------------------------------|------------------------|
| Voltage Rating                    |                        |
| EN 50618                          | AC:1000V; DC:Max.1500V |
| IEC 62930                         | AC:1000V; DC:Max.1500V |
| JCS 4517                          | DC 1500V               |
| Interpretation of EETS Article 46 | DC 1500V               |
| Insulation Resistance             | ≥ 1000 MΩ.km           |
| Voltage Withstand                 | 6500 VAC               |
| Conductor DC Resistance           | ≤ 5.09 Ω/km            |

**OTHER CHARACTERISTICS**

|                           |                               |
|---------------------------|-------------------------------|
| Bending Radius            |                               |
| Dynamic                   | ≥ 5 X OD                      |
| Static                    | ≥ 4 X OD                      |
| Flammability              | IEC 60332-1-2, JIS C 3665-1-2 |
| Working Temperature       | -40 ~ +90 °C                  |
| Cable Light Transmittance | ≥ 60%                         |

**PRINT LEGEND**

AKATSUKI H1Z2Z2-K 4mm<sup>2</sup> R 50385976    AKATSUKI 62930 IEC 131 4mm<sup>2</sup> HALOGEN FREE LOW SMOKE R 50406787    S-JET  
 DC 1500V PV-CC 4mm<sup>2</sup> PV CABLE 90°C    ROHS & LSZH

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Notes : With or without solid line on whole length above will be required.  
 Both marking will be required according to the purchase order.

**HISTORY**

Jan 22, 2018 First issue  
 Aug 3, 2018 Add IEC marking according to IEC 62930 standard requirement

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