

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
 UL 44, UL 854, UL 1581, UL 2556, UL 4703
 EN 50618
 JCS 4517
 Interpretation of EETS Article 46
 ROHS 2011/65/EU

CABLE CONSTRUCTION



| | |
|---------------------------|-------------------------|
| Conductor | Stranded tinned copper |
| Size | 35mm ² /2AWG |
| Stranding | 266/0.4 |
| Diameter | 8.6mm |
| Inner Layer | XLPO |
| Minimum Average Thickness | 1.14mm |
| Color | White (RAL9003) |
| Outer Layer | XLPO |
| Minimum Average Thickness | 1.4mm |
| Color | Black (RAL9005) |
| Diameter | 13.9±0.4mm |

ELECTRICAL CHARACTERISTICS (at +20°C)

| | |
|-----------------------------------|---------------------------|
| Voltage Rating | 600V |
| UL 4703 | AC: 1000V, DC: Max. 1500V |
| EN 50618 | DC 1500V |
| JCS 4517 | DC 1500V |
| Interpretation of EETS Article 46 | DC 1500V |
| Insulation Resistance | ≥ 1000 MΩ.km |
| Voltage Withstand | 6500 VAC |
| Conductor DC Resistance | ≤ 0.565Ω/km |

OTHER CHARACTERISTICS

| | |
|---------------------------|-----------------------------------|
| Bending Radius | |
| Dynamic | ≥ 5 X OD |
| Static | ≥ 4 X OD |
| Flammability | IEC 60332-1-2, VW, JIS C 3665-1-2 |
| Working Temperature | 105°C DRY, 90°C WET |
| Cable Light Transmittance | ≥ 60% |

PRINT LEGEND

E331483 (UL) 2AWG PV WIRE 105°C DRY 90°C WET 600V SUN RES -40°C DIR BUR H1Z2Z2-K 1X35mm² PV WIRE BYSON
 ELECTRONICS DC 1500V PV-CC 35mm² PV CABLE 90°C
 ——— E331483 (UL) 2AWG PV WIRE 105°C DRY 90°C WET 600V SUN RES -40°C DIR BUR ——— H1Z2Z2-K 1X35mm² PV
 WIRE BYSON ELECTRONICS ——— DC 1500V PV-CC 35mm² PV CABLE 90°C ———

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

HISTORY

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|--------------|---|-------|
| Apr 25, 2016 | First issue | Draft |
| Feb 6, 2017 | Changing marking, withdrawn TUV 1990 according to EN standard requirement | V0 |
| Jan 3, 2018 | Optimized file | V1 |