

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 -2-1, IEC 61034, IEC 61215
 UL 44, UL 854, UL 1581, UL 2556, UL 4703
 EN 50618
 ROHS 2011/65/EU

CABLE CONSTRUCTION



| | |
|---------------------------|-------------------------|
| Conductor | Stranded tinned copper |
| Size | 25mm ² /4AWG |
| Stranding | 190/0.4 |
| Diameter | 7.2mm |
| Inner Layer | XLPO |
| Minimum Average Thickness | 1.14mm |
| Color | White (RAL9003) |
| Outer Layer | XLPO |
| Minimum Average Thickness | 1.14mm |
| Color | Black (RAL9005) |
| Diameter | 12.1±0.4mm |

ELECTRICAL CHARACTERISTICS (at +20°C)

| | |
|-------------------------|---------------------------|
| Voltage Rating | |
| UL 4703 | AC 600V |
| EN 50618 | DC: Max. 1500V; AC: 1000V |
| Working Temperature | 105°C DRY, 90°C WET |
| Insulation Resistance | ≥ 1000 MΩ.km |
| Spark Test | 10000 VAC |
| Voltage Withstand | 6500 VAC |
| Conductor DC Resistance | ≤ 0.795 Ω/km |

OTHER CHARACTERISTICS

| | |
|--------------|---------------------|
| Dynamic | ≥ 5 X OD |
| Static | ≥ 4 X OD |
| Flammability | VW-1, IEC 60332-1-2 |

PRINT LEGEND

H12222-K 1X25mm² PV WIRE BYSON ELECTRONICS E331483 (UL) 4AWG PV WIRE 105°C DRY 90°C WET 600V SUN RES
 -40°C DIR BUR

HISTORY

| | | |
|--------------|---|-------|
| Apr 20, 2016 | First issue | Draft |
| Feb 4, 2017 | Changing marking, withdrawn TUV 1169 according to EN standard requirement | V0 |