

SPECIFICATION FOR APPROVAL

DESCRIPTION

Non-Halogen Cable for Photovoltaic Power System Class 5 TC Stranding Low Smoke Density.

STANDARDS

UL 4703
ROHS 2011/65/EU

CABLE CONSTRUCTION



| | |
|---------------------------|------------------------|
| Conductor | Stranded tinned copper |
| Size | 8AWG |
| Stranding | 168/0.254 |
| Diameter | 4.10mm |
| Inner Layer | XLPE |
| Minimum Average Thickness | 1.39 |
| Color | White |
| Outer Layer | XLPE |
| Minimum Average Thickness | 0.76 |
| Color | Black |
| Diameter | 8.70 ± 0.20 |

ELECTRICAL PROPERTIES

| | |
|-------------------------|--------------|
| Rated Voltage | 1000/2000VAC |
| Spark Test | 10000 VAC |
| Voltage Withstand | 7500VAC/min |
| Conductor DC Resistance | ≤ 2.23 Ω /km |

Physical PROPERTIES

| | Inner Layer | Outer Layer |
|---------------------|----------------------|-------------|
| Elongation | ≥ 150% | ≥ 150% |
| Strength | ≥ 10.3Mpa | ≥ 10.3Mpa |
| Ambient Temperature | - 40 °C up to +90 °C | |
| Cold bend test | UL854 | |
| Sunlight resistance | UL2556 | |
| Flame Test | VW-1 | |

Marking

(UL) E332548 PV WIRE 8AWG 90 °C WET OR DRY 1000 OR 2000V SUN RES -40 °C WUXI XINHONGYE WIRE & CABLE CO.,LTD.