

# 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	12AWG
Stranding	65/0.254
Diameter	2.36mm
Inner Layer	XLPE
Minimum Average Thickness	1.14
Color	White
Outer Layer	XLPE
Minimum Average Thickness	0.76
Color	Black
Diameter	6.20 ± 0.15

## ELECTRICAL PROPERTIES

Rated Voltage	1000/2000VAC
Spark Test	10000 VAC
Voltage Withstand	6000VAC/min
Conductor DC Resistance	≤ 5.64 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 12AWG 90°C WET OR DRY 1000 OR 2000V SUN RES -40°C WUXI XINHONGYE WIRE & CABLE CO.,LTD.