

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	2AWG
Stranding	665/0.254
Diameter	7.56mm
Inner Layer	XLPE
Minimum Average Thickness	1.39
Color	White
Outer Layer	XLPE
Minimum Average Thickness	1.14
Color	Black
Diameter	13.40 ± 0.25

ELECTRICAL PROPERTIES

Rated Voltage	1000/2000VAC
Spark Test	10000 VAC
Voltage Withstand	7500VAC/min
Conductor DC Resistance	≤ 0.5548 Ω /km

Physical PROPERTIES

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

Marking

(UL) E332548 PV WIRE 2AWG 90℃ WET OR DRY 1000 OR 2000V SUN RES -40℃ WUXI XINHONGYE WIRE & CABLE CO.,LTD.