



GLOBAL CABLE TECHNOLOGY AND SOLUTIONS

Leading manufacturer of wires and cables

Huatong Cable is known for delivering top quality
cables designed and manufactured to
the highest international standards



TECHNICAL SPECIFICATION

PV CABLE

Made by: Frank.Wang

Reviewed: 

Date: March 8th, 2023

Type of cable: UL Listed 4703 Standard Photovoltaic Wire

- Standard:**
- UL 4703
 - ASTM B173-01



1. Structure:

1. Bunch-Stranded copper conductor
2. XLPE inner sheath
3. XLPE outer sheath

2. Dimension and performance: 10AWG

Item	Description	Unit	Data
1	Product name	/	PV WIRE 1*10 AWG
2	Conductor		
	Material	/	Bunch-Stranded copper conductor

	Number of conductor	Nos	1
	Nominal section	AWG/MCM	10 (5.26mm ²)
	Number of wires	Nos	19
	Max. conductor D.C. Resistance at 20 °C	Ω/km	3.41
	Approx. Conductor diameter	mm	2.97
3	Inner sheath		
	Material	/	XLPE
	Nominal thickness	mm	1.14
4	Outer sheath		
	Material	/	XLPE
	Nominal thickness	mm	0.76
4	Approx. Cable diameter	mm	6.8
5	Approx. Cable weight	Kg/km	84

Dimension and performance: 12AWG

Item	Description	Unit	Data
1	Product name	/	PV WIRE 1*12 AWG
2	Conductor		
	Material	/	Bunch-Stranded copper conductor
	Number of conductor	Nos	1
	Nominal section	AWG/MCM	12 (3.33mm ²)
	Number of wires & wire diameter	Nos	19
	Max. conductor D.C. Resistance at 20 °C	Ω/km	5.43
	Approx. Conductor diameter	mm	2.35
3	Inner sheath		
	Material	/	XLPE
	Nominal thickness	mm	1.14
4	Outer sheath		

	Material	/	XLPE
	Nominal thickness	mm	0.76
4	Approx. Cable diameter	mm	6.1
5	Approx. Cable weight	Kg/km	62.5

3. Printing on cable surface:

HUATONG CABLES (UL) E365883 TYPE PV WIRE 2KV COPPER **AWG 90°C DRY OR WET -40°C DIR BUR SUN RES 01/2023 **** m

4. Package:

500Meters Reel
250Meters Roll
100Meters Roll



5. Stickers template:

