

PV Array Cables

Model: 56100000002



Construction

ITEM		SPECIFICATION
Conductor	AWG	14
	Material	Tinned copper
	Cond.Size(mm)	41/(0.254±0.008)
	Stranded OD.(mm)	1.88
	Nominal Cross-sectional area	2.08mm ²
Insulation	Material	XLPE/90°C
	Nominal OD.(mm)	4.30±0.15
	Nominal Thick(mm)	1.14
	Min Thick(mm)	1.02
	Hardness(A)	92±2
Jacket	Material	XLPE/90°C
	Nominal OD.(mm)	5.90±0.25
	Nominal Thick(mm)	0.76
	Min Thick(mm)	0.64
	Hardness(A)	92±2
Marking	Color	Optional
	(UL) E332548 PV WIRE 14AWG 90°C WET OR DRY 600V SUN RES -40°C WUXI XINHONGYE WIRE & CABLE CO.,LTD.	

STYLE	PV
SIZE	14AWG(TS)
RATING	90°C 600V
STANDARD	UL4703,UL1581

Construction

ITEM	SPECIFICATION
Conductor Resistance AT 20°C	≤8.96Ω/km
Dielectric-withstand test	3000VAC/min
Spark test	7500VAC

Physical Properties

ITEM		SPECIFICATION	
		Insulation	Jacket
Elongation	Un-aged	≥150%	≥150%
Strength		≥10.3Mpa	≥10.3Mpa
Elongation	After aging(Condition: 121.0±1.0x168h)	≥70% Un-aged	≥70% Un-aged
Strength		≥70% Un-aged	≥70% Un-aged
Cold bend test	-40±2.0x4h	No cracking	
Deformation test	121.0±2.0x1h/2000gf	≤50%	
Sunlight resistance test	720h	Elongation and strength retention rate ≥80%	
Flame test	VW-1	PASS	

Battery Clamp Kit

