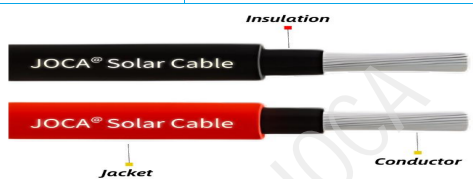
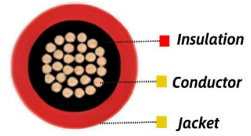




SPECIFICATION			
STANDARDS	UL4703	TYPE	PV 12AWG
APPLICATION	It is designed for the connection of photovoltaic panels and suitable for both fixed and mobile solar installations ,meet the varying needs of the solar industry		
			
TECHNICAL DATA			
CONDUCTOR	Material	Electrolytic annealed tinned copper, class 5 (flexible) according to ASTM B33.	
	Size	12AWG	
	Strand	48*0.3 ±0.008mm	
	Approx.OD	2.39mm	
INSULATION	Material	XLPO.Halogen -free electron -beam cross-linked, shall comply with the requirements for Type RHW-2 as specified in UL 44.	
	Thickness	1.14mm	
	Minimum thickness	1.02mm	
	Approx.OD	4.7±0.2mm	
JACKET	Color		
	Material	XLPO.Halogen -free electron -beam cross-linked, shall comply with the requirements for Type RHW-2 as specified in UL 44.	
	Thickness	0.76mm	
	Minimum thickness	0.69mm	
MARKINGS	Approx.OD	6.2±0.2mm	
	Color		
	(UL) E480012 JOCA PV WIRE 12AWG 90°C WET OR DRY 2000V SUN RES -40°C Meter Code		
	ELECTRICAL PERFORMANCE	Rated voltage	2000V DC.
Test Voltage (AC)		6.5kV/5min, 50Hz.	
Conductor resistance at 20°C		5.75Ω/km	
Minimum insulation resistance at 20°C		0.08GΩ.m	
Spark test AC		10kV	
MECHANICAL PERFORMANCE	Temperature range	-40°C ~ +90°C,conductor temperature of 120°C at a max (20000h)	
	Short-circuit-temperature	250°C/5s	
	elongation of unaged values %	150	
	ensile strength of unaged values N/mm ²	10.3	
	Cold bending test	UL2556、CSA C22.2No2556	
	Weathering/UV resistance	UL2556、CSA C22.2No2556	
	Flame -resistance	FT2	
	Anticipated service life	25 years	
	Minimum bending radius	≥4XD (D < 8mm) , ≥6XD (D≥8mm)	
CURRENT CARRYING CAPACITY of PV CABLES at 120 °C (AMBIENT TEMPERATURE : 60°C)	Single cable free in air (A)	55	
	Single cable on a surface(A)	52	
	Two loaded cables touching, on a surface(A)	44	
	In conduit (A)	35	
INSTALLATION CONDITIONS	Open Air/Buried /In conduit		
PREPARED : LZ CHECKED : WZH APPROVED : ZLL CUSTOMER SIGNATURE :			
♀ No. 875, Puwei Highway, Fengxian District, Shanghai, China ■ WWW.JOCA -CABLE.COM			