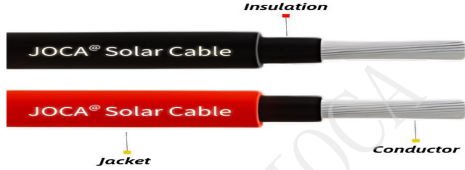
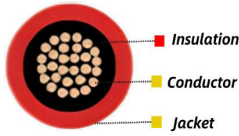


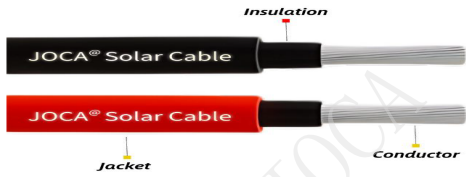
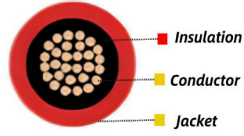




SPECIFICATIONS			
STANDARDS	EN50618/IEC62930	TYPE	H1Z2Z2 -K 1X4mm ²
APPLICATION	It is designed for the connection of photovoltaic panels and suitable for both fixed and mobile solar installations ,meet the varying needs of the solar industry		
			
TECHNICAL DATA			
CONDUCTOR	Material	Electrolytic annealed tinned copper, class 5 (flexible) according to IEC 60228 and EN 60228.	
	Size	4mm ²	
	Strand	56*0.28 ±0.008mm	
	Approx.OD	2.41mm	
INSULATION	Material	XLPO.Halogen -free electron -beam cross -linked, according to EN 50618 and IEC 62930	
	Thickness	0.7mm	
	Minimum thickness	0.53mm	
	Approx.OD	3.9±0.2mm	
JACKET	Material	XLPO.Halogen -free electron -beam cross -linked, according to EN 50618 and IEC 62930	
	Thickness	0.8mm	
	Minimum thickness	0.58mm	
	Approx.OD	5.5±0.2mm	
MARKING	 TÜV DC1500V H1Z2Z2 -K 1×4.0mm ² CPR Cca JOCA Special Cable (Shanghai) Co., Ltd.		
ELECTRICAL PERFORMANCE	Rated voltage	1.0/1.0kV AC. 1.5(1.8)kV DC.	
	Test Voltage (AC)	6.5kV/5min, 50Hz.	
	Conductor resistance at 20°C	5.09Ω/km	
	Minimum insulation resistance at 20°C	580MΩ.km	
	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 %	125	
	ensile strength of unaged values N/mm ²	8.0	
	Acid and alkali resistance	EN 60811 -404	
	Ozone resistance	EN 60811 -403, EN50396	
	Weathering/UV resistance	EN 50289 -4-17 ,EN60811 -501	
	Flame -resistance	EN 60332 -1-2.CPR: Cca according to EN 50575	
	Water resistance	EN 50525 AD8 Submersion	
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 :			
AG Holding Building, Airport Road Dubai, United Arab Emirates Phone: +971 4 288 1934 E-mail: info@ian.ae Website: www.ian.ae 			

SPECIFICATIONS		
STANDARDS	EN50618/IEC62930	TYPE H1Z2Z2 -K 1X10mm ²
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 IEC 60228 and EN 60228.
	Size	10mm ²
	Strand	142*0.285 ± 0.008mm
	Approx.OD	3.92mm
INSULATION	Material	XLPO.Halogen -free electron -beam cross-linked, according to EN 50618 and IEC 62930
	Thickness	0.7mm
	Minimum thickness	0.53mm
	Approx.OD	5.5 ± 0.15mm
JACKET	Material	XLPO.Halogen -free electron -beam cross-linked, according to EN 50618 and IEC 62930
	Thickness	0.8mm
	Minimum thickness	0.58mm
	Approx.OD	7.1 ± 0.3mm
MARKING	 TÜV DC1500V H1Z2Z2 -K 1×10mm ² CPR Cca JOCA Special Cable (Shanghai) Co., Ltd.	
ELECTRICAL PERFORMANCE	Rated voltage	1.0/1.0kV AC. 1.5(1.8)kV DC.
	Test Voltage (AC)	6.5kV/5min, 50Hz.
	Conductor resistance at 20°C	1.95Ω/km
	Minimum insulation resistance at 20°C	420MΩ.km
	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 %	125
	ensile strength of unaged values N/mm ²	8.0
	Acid and alkali resistance	EN 60811 -404
	Ozone resistance	EN 60811 -403, EN50396
	Weathering/UV resistance	EN 50289 -4-17 ,EN60811 -501
	Flame -resistance	EN 60332 -1-2.CPR: Cca according to EN 50575
	Water resistance	EN 50525 AD8 Submersion
	Anticipated service life	25 years
CURRENT CARRYING CAPACITY of PV CABLES at 120 °C (AMBIENT TEMPERATURE : 60°C)	Single cable free in air (A)	98
	Single cable on a surface(A)	93
	Two loaded cables touching, on a surface(A)	79
	In conduit (A)	63
INSTALLATION CONDITIONS	Open Air/Buried /In conduit	
PREPARED : LZ	CHECKED : WZH	APPROVED : ZLL
AG Holding Building, Airport Road Dubai, United Arab Emirates Phone: +971 4 288 1934 E-mail: info@ian.ae Website: www.ian.ae 		

SPECIFICATIONS			
STANDARDS	EN50618/IEC62930	TYPE	H1Z2Z2-K 1X6mm ²
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 IEC 60228 and EN 60228.
	Size	6mm ²
	Strand	84*0.28±0.008mm
	Approx.OD	2.96mm
INSULATION	Material	XLPO.Halogen-free electron-beam cross-linked, according to EN 50618 and IEC 62930
	Thickness	0.7mm
	Minimum thickness	0.53mm
	Approx.OD	4.55±0.2mm
JACKET	Material	XLPO.Halogen-free electron-beam cross-linked, according to EN 50618 and IEC 62930
	Thickness	0.8mm
	Minimum thickness	0.58mm
	Approx.OD	6.15±0.2mm
MARKING	 TÜV DC1500V H1Z2Z2-K 1×6.0mm ² CPR Cca JOCA Special Cable (Shanghai) Co., Ltd.	
ELECTRICAL PERFORMANCE	Rated voltage	1.0/1.0kV AC. 1.5(1.8)kV DC.
	Test Voltage (AC)	6.5kV/5min, 50Hz.
	Conductor resistance at 20°C	3.39Ω/km
	Minimum insulation resistance at 20°C	500MΩ.km
	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 %	125
	ensile strength of unaged values N/mm ²	8.0
	Acid and alkali resistance	EN 60811-404
	Ozone resistance	EN 60811-403, EN50396
	Weathering/UV resistance	EN 50289-4-17 ,EN60811-501
	Flame-resistance	EN 60332-1-2.CPR: Cca according to EN 50575
	Water resistance	EN 50525 AD8 Submersion
	Anticipated service life	25 years
CURRENT CARRYING CAPACITY of PV CABLES at 120 °C (AMBIENT TEMPERATURE : 60°C)	Minimum bending radius	≥4XD (D < 8mm) , ≥6XD (D ≥ 8mm)
	Single cable free in air (A)	70
	Single cable on a surface(A)	67
	Two loaded cables touching, on a surface(A)	57
INSTALLATION CONDITIONS	In conduit (A) 45	