



Shanghai Kuka Special Cable Co., Ltd.

Data Sheets

Ref. No	Twin 4mm² Solar cable		Date	EN-PV560302		
Standard	TÜV IEC62930 / EN50618		Construction Figure:			
Construction	2x4mm²					
Conductor						
Construction Item	Units	4mm²				
Construction	mm	56x0,29±0.008				
Material	---	Tinned copper wire				
O.D	mm	2.45				
Insulation						
Material	---	Electron-beam Cross-linked XLPO				
Avg.Thick	mm	0.70				
Min.Thick	mm	0.60				
O.D	mm	3.85±0.10				
Color	---	Black and Red				
Jacket			Electric Characters			
Material	---	Electron-beam Cross-linked XLPO	Voltage rating :AC 1.0/1kV, DC 1.5KV			
Avg.Thick	mm	0.80	Temperature rating: '-40°C to 120°C			
Min.Thick	mm	0.68	Maximum conductor temperature: 120°C			
O.D	mm	(5.50±0.15)*(11.2±0.20)	Current rating 60°C: 55A			
Color	---	Black/ Red	Spark test: AC-10kV/In the air			
			Conductor resistance: 5.09Ω/KM Max at 20°C			
			Weathering UV-resistance: 720h, No cracking			
			Thermal endurance properties: 25 Years			
			Short circuit temperature: 250°C max 5 s			
Marking			Physical Properties			
TÜV SÜD EN50618 IEC62930 2x4mm² Solar (PV) Cable 1.0/1.0 KV AC 1.5KV DC TÜV-Zert -CAUTION DC CABLE- DO NOT DISCONNECT UNDER LOAD+ BATCH NO +SHANGHAI KUKA CABLE CO.,LTD +Meter			Elongation of unaged values(%): ≥125%			
			Tensile strength of unaged values (N/mm ²): ≥6.5&8.5			
			Aged in a full draft circulating air oven: 150±2.0°C/168h			
Packaging			Elongation of After aging: ≤30%			
Standard export: 100-1000m /Drum 20Pallets/20FCL, Pallet size :1.12*1.12*1.1M			Tensile strength of After aging: ≤30%			
			Ozone resistance: 72h No cracking			
Shanghai Kuka Special Cable Co., Ltd.			Cold bend test: -40±2°C*16h No cracking			
			Cold impact test: -40°C*16h/1000g; 100mm No cracking			
Add: Building 13, NO 5878, Nanjing Gong Road, Tinglin Zhen Jinshan District, Shanghai, China			Flame test: EN60332-1-2			
			APPROVED	CHECKED	DESIGNED	
			ALICE JIANG	KERRY HOU	JASON LI	
APPROVED BY THE CLIENT						