



Shanghai Kuka Special Cable Co., Ltd.

Data Sheets

Ref. No	Single 4mm² Solar cable		Date	EN-PV560301	
Standard	TÜV IEC62930 / EN50618		Construction Figure:		
Construction	1x 4mm²				
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					
Material	---	Electron-beam Cross-linked XLPO			
Avg.Thick	mm	0.80			
Min.Thick	mm	0.68			
O.D	mm	5.50±0.15			
Color	---	Black/ Red			
Marking					
TÜV SÜD EN50618 IEC62930 1x4mm² 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					
Packaging					
Standard export: 100-1000m /Drum 20Pallets/20FCL, Pallet size :1.12*1.12*1.1M					
Shanghai Kuka Special Cable Co., Ltd.					
Add:Building 13,NO 5878, NanjingGong Road, Tinglin Zhen Jinshan District , Shanghai, China					
			Electric Characters		
			Voltage rating :AC 1.0/1kV, DC 1.5KV		
			Temperature rating:'-40°C to120°C		
			Maximum conductor temperature: 120°C		
			Current rating 60°C: 55A		
			Spark test:AC-10kV/In the air		
			Conductor resistance: 5.09Ω/KM Max at20°C		
			Weathering UV-resistance:720h, No cracking		
			Thermal endurance properties: 25 Years		
			Short circuit temperature: 250°C max 5 s		
			Physical Properties		
			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		
			Elongation of After aging:≤30%		
			Tensile strength of After aging: ≤30%		
			Ozone resistance:72h No cracking		
			Cold bend test: -40±2°C*16h No cracking		
			Cold impact test:-40°C*16h/1000g; 100mm No cracking		
			Flame test:EN60332-1-2		
APPROVED		CHECKED		DESIGNED	
ALICE JIANG		KERRY HOU		JASON LI	
APPROVED BY THE CLIENT					