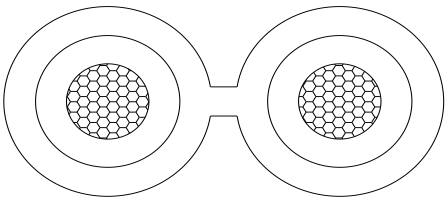




# Shanghai Kuka Special Cable Co., Ltd.

## Data Sheet

<b>Ref. No</b>	<b>Twin solar cable</b>	
Standard	<b>TÜV 2PFG 1169 PV1-F</b>	
Construction	<b>2x4mm2</b>	
<b>Conductor</b>		
<b>Construction Item</b>	Units	<b>4mm<sup>2</sup></b>
<b>Construction</b>	mm	<b>56x0,29±0.008</b>
<b>Material</b>	---	<b>Tinned copper wire</b>
<b>O.D</b>	mm	<b>2.45</b>
<b>Insulation</b>		
<b>Material</b>	---	<b>Electron-beam Cross-linked XLPO</b>
<b>Avg.Thick</b>	mm	<b>0.55</b>
<b>Min.Thick</b>	mm	<b>0.50</b>
<b>O.D</b>	mm	<b>3.55±0.10</b>
<b>Color</b>	---	<b>Black and Red</b>
<b>Jacket</b>		
<b>Material</b>	---	<b>Electron-beam Cross-linked XLPO</b>
<b>Avg.Thick</b>	mm	<b>0.58</b>
<b>Min.Thick</b>	mm	<b>0.55</b>
<b>O.D</b>	mm	<b>(4.60±0.15)*(9.40±0.20)</b>
<b>Color</b>	---	<b>Black with red strip</b>
<b>Marking</b>		
<b>SHANGHAI KUKA CABLE TÜV 2PFG 1169 PV1-F 2x4mm2 Solar (PV) Cable PV1-F 1.0/1.8KV DC TÜV-Zert T 5046066701-CAUTION DC CABLE-DO NOT DISCONNECT UNDER LOAD +Meter Mark</b>		
<b>Packaging</b>		
<b>Standard export: 100 M /Drum ,100 Drums/ pallet 20Pallets/ 20FCL, Pallet size :1.12*1.12*1.1M</b>		
<b>Shanghai Kuka Special Cable Co., Ltd.</b>		
<b>Add:Building 13,NO 5878, NanjingGong Road, Tinglin Zhen Jinshan District , Shanghai, China</b>		

<b>Date</b>	PV560302	
Construction Figure:		
		
<b>Electric Characters</b>		
Voltage rating :AC 0.6/1kV DC 1.0/1.8KV		
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		
<b>Physical Properties</b>		
Elongation of unaged values(%): ≥125%		
Tensile strength of unaged values (N/mm2): ≥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		
<b>APPROVED</b>	<b>CHECKED</b>	<b>DESIGNED</b>
ALICE JIANG	KERRY HOU	JASON LI
<b>APPROVED BY THE CLIENT</b>		