



KUKA CABLE
SMART PRODUCTION GLOBE

Shanghai Kuka Special Cable Co., Ltd.

Data Sheets

Ref. No	Single Solar cable		Date	PV560301	
Standard	TÜV EN50618		Construction Figure:		
Construction	1x4mm²				
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	0.80			
Min.Thick	mm	0.65			
O.D	mm	4.0±0.10	Electric Characters		
Color	---	Black and Red	Voltage rating :AC 0.6/1kV DC 1.5KV		
Jacket			Temperature rating: '-40°C to120°C		
Material	---	Electron-beam Cross-linked XLPO	Maximum conductor temperature: 120°C		
Avg.Thick	mm	0.80	Current rating 60°C: 55A		
Min.Thick	mm	0.65	Spark test:AC-10kV/In the air		
O.D	mm	5.50±0.20	Conductor resistance: 5.09Ω/KM Max at20°C		
Color	---	Black/ Red	Weathering UV-resistance:720h, No cracking		
			Thermal endurance properties: 25 Years		
			Short circuit temperature: 250°C max 5 s		
Marking			Physical Properties		
SHANGHAI KUKA CABLE TÜV SÜD EN50618:2014 H1Z2Z2-K 1x4mm ² AC 0.6/1kV-DC 1.5KV KUKA CABLE +Meter Mark			Elongation of unaged values(%):≥125%		
			Tensile strength of unaged values (N/mm ²):≥6.5&8.5		
Packaging			Aged in a full draft circulating air oven: 150±2.0°C/168h		
			Elongation of After aging:≤30%		
Standard export: 200-1000m /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, NanjingGong 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					