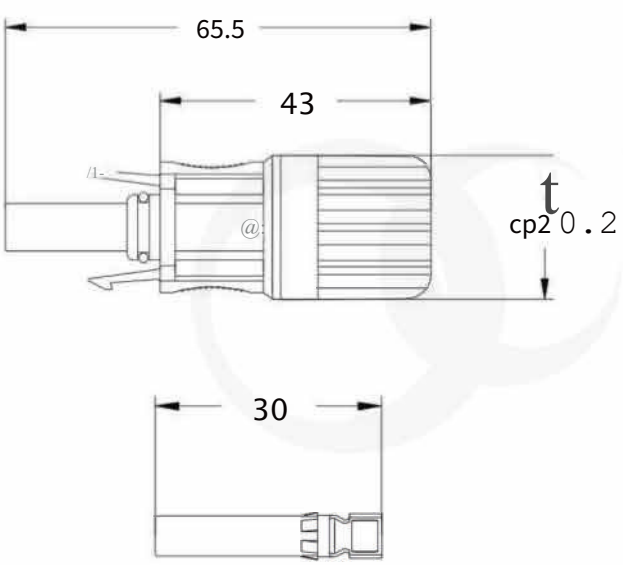
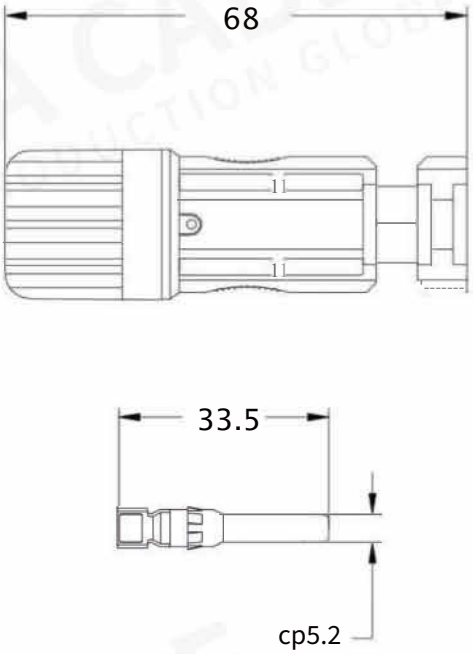
Solar Connector

Female and male cable coupler



Unit: mm





01 I APPLICATION:

KUKA solar connectors are made of high-quality weather-resistant materials to ensure long-term reliability.

They can match cables from 4 mm2 to 10 mm2 and can be widely used in different applications. Low contact resistance and high current transmission capacity ensure high product efficiency. The connector has an IP68 waterproof rating and can be used in a wide operating temperature range of -40 °c to 85 °c.

02 I STANDARDS:

TOV

IEC 1500V

IEC62852

-40 °C~85 C

UL94-V0

IP68

UV Resistance

PARAMETER		
Model	KKMC1500-46	KKMC1500-10
Solar Cable Size	4mm2 6mm2	10mm2
Solar Cable Outer Diameter	5.5mm to 6.9mm	6.0mm to 8.0mm
Standard	IEC 62852	
Rate Current	35A for 4mm2 40A for 6mm2	50A for 10mm2
Rated Voltage	1500V DC	
Test Voltage	16KV (50Hz,1min)	16KV (50Hz,1min)
Structure	Not Lock	Not Lock
Terminal Type	U Type	U Type
Terminal Resistance	≤0.25mΩ	≤0.25mΩ
Terminal Material	CU, Tin Plated	CU, Tin Plated
Plastic	PPO (All New)	
Waterproof Level	IP68	
Flame Retardant	UL94-V0	
Operating Temp	-40°C to +85°C, Max long-term temp: +140°C, Heat distortion temp: 190°C	
Pollution Index	CAT II	
Protection Class	II	