

Conector

MC4 1500VDC



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Structural Characteristics

- Simple on-site processing
- Acomodates PV cable with different insulation diameters.
- Mating safety provided by keyed housings
- Multiple plugging and unplugging cycles
- High current carrying capacity



Specifications

Part P/N	Cable special	
Connector	Conductor size (mm ²)	CableOD (ØDmm)
MC4 1500VDC Male	AWG 10 (6.0mm ²) AWG 8 (10.0mm ²)	Ø4.5-Ø8.5
MC4 1500VDC Female		

Technical Parameters

Rated Current	30A (45A if with solid pins)
Rated Voltage	1000V DC
Test Voltage	6000V (50Hz, 1 min)
Overvoltage Type / Pollution Degree	CAT III / 2
Contact resistance of plug connector	1mΩ
Contact material	Copper, Tin - plated
Insulation Material	PPO / PC
Degree of protection	IP2X / IP67
Flame class	UL94 - VO
Safety class	II
Suitable cable	OD 4.8 - 8.5 (2.5 - 6.0 mm ²)
Insertion force / withdrawal force	≤50N / ≥50N
Connecting System	Crimp connection
Temperature range	-40°C ~ +125°C