



MC4 SOLAR CONNECTOR

Electrical and Mechanical Specification	
Rated Voltage	1500V
Rated Current	30A
Rated Test Voltage	6KV(50Hz,1Min)
Rated Impulse Voltage	1600V
RMS Withstand Voltage	8000V
Contact Resistance	≤ 0.3mΩ
Insertion and Withdrawal Force	Insertion force: ≤50N; Withdrawal force: 300N
No of Bending	10000
No of engagement cycles	10000
Stripping Length	28.05mm
Material Specification	
Conductor	Tin plating copper
Conductor Cross Section	φ2.5~10.0mm
Specify outer wire diameter	2.5~6.0mm ² AWG14/12/8
Insulation Material	Polycarbonate (PC)
Sealing Material	Silicon
Type of termination	Copper, Tin plated
Environmental Specification	
Operating Temperature	-40°C~+85°C
Max. Operating Temperature	100°C
Degree of Protection	IP67
Fire Protection Class	UL94-V0
Application Class	Class A
Safety Class	Class II
Pollution Degree	I
Certification	TUV