



CONNECTOR

Rated voltage:	1000 V
Rated current:	25 A - 14 AWG (2.5mm ²), 30A - 12 and 10 AWG (4mm ² ,6mm ²)
Test voltage:	6 kV (50 Hz)
Insulation material:	PC/PA
Contact material:	Copper, silver-plated
Operating temperature:	-40°C ~ 85°C
Approvals:	IP 67 Protection Grade, Safety class II, Flame class UL94-V0
Contact resistance:	≤5mΩ
Insertion/withdrawl force:	≤50N / ≥50N
Locknig system:	Snap in

WIRE

Color:	Black OR rED
Conductor material:	Bare copper
Insulation material:	Cross-linked Polyethylene (XLP)
Max. voltage:	600 VAC
Min. temperature rating (°C):	-40°C
Max. temperature rating (°C):	90°C
Approvals:	Type USE-2 per UL 854, RHH/RHW-2 per UL 44, Type PV per UL 4703
Applications:	Solar panels, DC circuits, inverter wiring

Conductor Size	Stranding	Conductor Diameter	Insulation Thickness (in.)	Nom O.D (in.)	Approx Ft per lb.	Max Amps per Conductor
10 AWG	19 / 0.0234	5.26 mm ²	0.075	0.230	17.54	40
12 AWG	19 / 0.0185	3.31 mm ²	0.045	0.209	26.18	31