



PV1500DC-AL-K Photovoltaic PV Aluminum Alloy Cable

CABLE STRUCTURE:

Conductor:

Aluminum alloy soft conductor in
2 PFG 2642, class 5

Insulation:

crosslinked halogen-free low smoke flame
retardant polyolefin

Sheath Jacket:

crosslinked halogen-free low smoke flame
retardant polyolefin

CODE DESIGNATION: PV1500DC-AL-K

APPLICATION:

Apply to photovoltaic power generation,
solar system, interconnects solar panels and
electrical components in the photovoltaic
system. The size of single core cable often
go from 4 mm² to 70 mm², and the size of
dual core cable go 4 mm² to 10 mm², with
ozone resistance, acid and alkali resistance
and environmental climate and other
external environment characteristics.

STANDARD:

IEC62930:2017 TUV

TECHNICAL DATA:

Nominal Voltage:

DC 1500V

Test voltage:

AC 6.5kV/5min or DC 15kV/5min without breakdown

Temperature Rating:

-40°C to +90°C, life do 25 Years (TUV)

Fire performance:

IEC 60332-1

Salt spray discharge:

IEC 61034; EN 50268-2

Low fire load:

DIN 51900

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for
our product categories. Additionally, we possess
other authoritative certifications recognized in
various countries and regions. For further details
on our certification portfolio, please do not
hesitate to contact us.





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Specifications

Nom.Cross- section Area	Finnish Cable OD	Max DC Resistance at 20°C	Current Carrying Capacity	Approx. Weight
mm ²	mm	Ω/KM	A	kg/km
1×4	5.6	8.1	42	39.1
1×6	6.2	5.05	57	48.82
1×10	7.3	3.08	72	69.3
2×4	5.6×11.4	8.1	33	79.89
2×6	6.2×12.6	5.05	45	99.54
2×10	7.3×14.8	3.08	58	140.78