

A1Z2Z2-K, PV installation Cable 1,5 kV DC



Application

Cable with flexible aluminum conductor (A1Z2Z2-AK) are intended for interconnecting power supplies within renewable energy photovoltaic systems such as solar panel arrays in solar energy farms. The cable is suitable for fixed installations indoor and outdoor.

Conductor	Flexible aluminium conductor principally like IEC 60228
Insulation	XLPE - HFFR , LSZH COMPOUND
Sheath	XLPE - HFFR , LSZH COMPOUND
Sheath color	Black or Red
Conductor temperature Min	Min. -40°C
Conductor temperature Max	Max 90°C, 120°C i 20 000 timer
Short circuit temperature	Max 250°C
Min. bending radius	6xD
Rated voltage	1,5/1,5 kV DC, 1,0/1,0 kV AC
Test voltage	6,5 kV AC
Flame retardant	IEC 60332-1
Halogen free	IEC 60754-1 and -2
Smoke density	IEC 61034
UV resistance	ISO 4892
PH and conductivity	EN 50267-2-1 and EN 50267-2-3
Approval	CE-marked acc. to Low Voltage Directive
Design	EN 50618 IAP

Coss section mm ²	Diameter mm	Weight kg/km	Delivery length m	DC conductor resistance Ohm/km
4	5,6	44	1000	8,1
6	6,1	52	1000	5,41
10	7,3	75	1000	3,08
16	8,3	98	1000	1,91
25	10,6	159	1000	1,20
35	11,8	199	1000	0,868