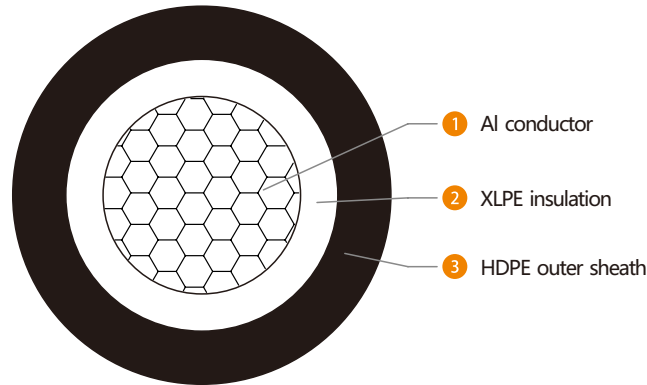


2000V DC Sub-array Cables AI/XLPE/HDPE



Properties:

Rated Voltage	2000V DC
Max. operating temperature of conductor	90°C
Min. ambient temperature for operating	-40°C
Min. temperature for installing without preheating	+0°C
Max. short-circuit operation temperature of conductor (5s Max. duration)	250°C
Min. bending radius	During installation: 9D After installation: 6D. D is outer diameter of cable
Standard	AS/NZS 5000.1

Application:

The low voltage DC power cable is applied to the connection of the collector box in the Photovoltaic system to the DC lightning protection distribution cabinet and the DC lightning protection distribution cabinet to the grid connected inverter. Low voltage DC power cable is applied to connect DC lightning protection switchboard and step-up transformer in photovoltaic system.

Structural Parameters:

Nominal conductor area mm ²	Nominal thickness of insulation mm	Nominal thickness of outer sheath mm	Approx. overall diameter of cable mm	Approx. mass of cable kg/km	Max. DC resistance of conductor at 20°C Ω/km
10	2.0	1.4	12.9	102	3.08
16	2.0	1.4	14.0	129	1.91
25	2.0	1.4	15.0	165	1.20
35	2.0	1.4	16.0	201	0.868
50	2.0	1.4	17.1	245	0.641
70	2.0	1.4	18.8	324	0.443
95	2.0	1.5	20.6	416	0.320
120	2.0	1.5	22.1	499	0.253
150	2.0	1.6	23.8	594	0.206
185	2.0	1.6	25.4	712	0.164
240	2.0	1.7	28.0	900	0.125
300	2.0	1.8	30.4	1095	0.100
400	2.0	1.9	33.4	1367	0.0778
500	2.2	2.0	36.8	1727	0.0605
630	2.4	2.2	41.2	2193	0.0469
800	2.6	2.3	46.0	2763	0.0367