

**GECA SOLAR A2XY 1.8/3 kV****SUNCONNECT CPR Eca**

Model Product: - 20250404



Aluminium rigid compact conductor, class 2.  
XLPE Crosslinked polyethylene insulation  
Special Outer sheath PVC.

**STANDARDS**

EN 60228 IEC 60502-1 pqa HD 603, EN IEC 60332-1-2  
EN 50575:2014 + EN 50575/A1:2016

According to the standards 2011/65/EU (RoHS 3)

Cables for connections between Inverter and Transformer  
in Photovoltaic Systems

Nominal voltage U0: 1800V AC 2700 VCC

Nominal voltage U: 3000V AC 4500V CC

Test voltage: 6500V

Maximun voltage Um: 3600V AC 5400V CC

Maximun operating temperature: 90 °C

Maximun short circuit temperature: 250 °C

Minimum installation and laying temperature: -5°C max +50°C

Min. operating temperature (without mechanical shocks): -20°C

**COMMON FEATURES**

Power cables for fixed external or internal electrical installations laid in the ground, in the open air, in concrete or in cable ducts, where no mechanical protection is required during installation and operation and where the external PVC sheath is not attacked by corrosive agents. Suitable for AC and DC networks, Photovoltaic fields between Inverter and Transformer, industrial installations, switching equipment, local ducts or wind turbines.

**EMPLOYMENT**

Minimum bending radius per D cable diameter (in mm): 15 D

Maximum pulling stress: 60 N/mm<sup>2</sup>

**PACKING**

Drums to agree.

**CORE COLOURS**

Single core: BLACK

**SHEATH COLOUR**

BLACK

**INK MARKING**

GECA SOLAR A2XY 1.8/3 kV [form.] [year] [traceability data] [metric]

**NOTE**

Special features:UV resistant ,Silicon free ,Lead free

Nominal section	Electric resistance at 20°C	Insulation Thickness	Indicative external diameter	Approximate weight of the cable	Minimum Curvature Radius	Electrical Resistance Conductor at 20°C	DC current carrying capacity single cable in air	Current carrying capacity in DC single buried cable
(N° x mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)	(ohm/km)	(A)	(A)
Single core								
1x185	16.1	2.0	25.0	800	375	0.164	447	290
1x240	18.5	2.0	28.0	1010	420	0.125	530	326
1x300	20.7	2.1	31.5	1300	473	0.100	613	351
1x400	23.5	2.2	34.5	1500	518	0.0778	740	396

\*) The flow rates refer to the following conditions: Thermal resistivity of the ground: 1 K m/W; Room temperature 20°C; installation depth: 0.8 m