GECAFLEX N2XY 1.8/3kV

[D] CPR Eca

Model Product: - 20260319

Flexible cables for connections between inverters and transformers in
photovoltaic systems

Class 5 flexible copper conductor.
XLPE Crosslinked polyethylene insulation
Special Outer sheath PVC.

STANDARDS

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

Accordingly to the standards (RoHS 3)CPR UE 305/11

- Nominal voltage U0: 1800 V AC 2700 V CC
- Nominal voltage U: 3000 V AC 4500 CC
- Test voltage: 6500 V
- 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 outdoor or indoor electrical installations laid directly in the ground, outdoors, in concrete, or in cable ducts, where mechanical protection is not required during installation and operation and where the outer PVC sheath is not attacked by corrosive agents. Suitable for AC and DC networks, photovoltaic fields, between inverters and transformers, industrial installations, switching equipment, local ducts, or wind turbines. AD7 UV-resistant according to EN 50289-4-17 method A (720h)

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 4D

Maximum pulling stress: 50 N/mmq

PACKING

Long lengths on cable drums or coils in thermo foil.

CORE COLOURS

Single core: Neutral

SHEATH COLOUR

Black

INK MARKING

GENERAL CAVI .GECAFLEX N2XY 1.8/3kV Eca OL YEAR OF CONSTRUCTION

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Cores number x cross section	Single wire diameter	Maximum electric resistance	Current carrying capacities				Min. insulation thickness	Min. sheath thickness	Max. external diameter	Approx cable weight
			Free in air	Fixed Lay Single	Fixed Lay Loom	Fixed Lay In pipe				
(N° x mm²)	(mm)	(Ohm/km)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)
Single core										
1x25	0,41	0.78	176	167	117	93	1.6	1.0	12.8	335
1x35	0,41	0.554	218	207	144	115	1.6	1.0	14.1	435
1x50	0,41	0.386	276	262	183	146	1.8	1.0	15.9	582
1x70	0,41	0.272	347	329	230	185	1.8	1.0	17.8	757
1x95	0,41	0.206	416	395	276	221	2.2	1.0	20.1	1040
1x120	0,41	0.161	488	463	324	259	2.2	1.0	22.0	1289
1x150	0,41	0.129	566	537	376	301	2.2	1.2	24.0	1581
1x185	0,41	0.106	644	611	428	342	2.4	1.2	26.3	1895
1x240	0,41	0.0801	775	736	515	412	2.6	1.2	29.6	2452
1x300	0,41	0.0641	879	836	584	467	2.8	1.2	32.2	2998
1x400	0.41	0.0486	920	906	611	583	3.0	1.4	36.2	3900