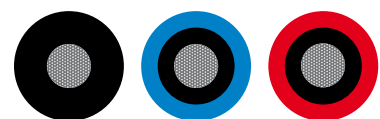


EldSolar® cables

EldSolar® STD



Application:

Wiring of photovoltaic installation inside and outside building, free movable, free hanging and buried in ground in constructional covered systems.

Features:

- ▲ Flexible
- ▲ Easy to strip
- ▲ Halogen free
- ▲ Ozone and UV resistance
- ▲ Proven quality

Article No.	Description
B0102.0001.0500.0040	EldSolar STD 2,5mm ² Red
B0102.0001.0500.0084	EldSolar STD 2,5mm ² Blue
B0102.0001.0500.0182	EldSolar STD 2,5mm ² Black
B0102.0002.0500.0040	EldSolar STD 4mm ² Red
B0102.0002.0500.0084	EldSolar STD 4mm ² Blue
B0102.0002.0500.0182	EldSolar STD 4mm ² Black
B0102.0003.0500.0040	EldSolar STD 6mm ² Red
B0102.0003.0500.0084	EldSolar STD 6mm ² Blue
B0102.0003.0500.0182	EldSolar STD 6mm ² Black
B0102.0004.0500.0040	EldSolar STD 10mm ² Red
B0102.0004.0500.0084	EldSolar STD 10mm ² Blue
B0102.0004.0500.0182	EldSolar STD 10mm ² Black
B0102.0005.0500.0040	EldSolar STD 16mm ² Red
B0102.0005.0500.0084	EldSolar STD 16mm ² Blue
B0102.0005.0500.0182	EldSolar STD 16mm ² Black
B0102.0007.0500.0182	EldSolar STD 35mm ² Black
B0102.0008.0001.0182	EldSolar STD 50mm ² Black
B0102.0009.0001.0182	EldSolar STD 70mm ² Black
B0102.0010.0001.0182	EldSolar STD 95mm ² Black
B0102.0011.0001.0182	EldSolar STD 120mm ² Black

Conductor	Tinned copper conductor according to class 5 of IEC 60228	Construction
Core insulation	Special EPR compound	
Diameter over insulation	See table	
Colour coding	Black, red or blue	
Outer sheath	Special halogen free TPR compound color : black, red or blue	
Diameter over sheath	See table	

Type	Diameter over insulation approx. [mm]	Outer diameter [mm]	Max. Conductor resistance 20 °C [Ω/km]	Weight approx. [kg/km]	Current carrying capacity acc. HD 604 at 30 °C [A]	Type
1 X 2.5 mm ²	3.6	5.5 ± 0.1	8.21	39	42	
1 X 4 mm ²	4.6	5.9 ± 0.1	5.09	52	56	
1 X 6 mm ²	5.0	6.4 ± 0.1	3.39	71	71	
1 X 10 mm ²	6.5	8.8 ± 0.2	1.95	130	96	
1 X 16 mm ²	7.7	10.0 ± 0.3	1.24	186	128	
1 X 25 mm ²	9.0	11.5 ± 0.3	0.795	271	173	
1 X 35 mm ²	10.8	12.7 ± 0.3	0.565	356	217	
1 X 50 mm ²	12.1	14.7 ± 0.3	0.393	511	265	
1 X 70 mm ²	14.2tt	17.1 ± 0.3	0.277	728	336	
1 X 95 mm ²	16.3	19.1 ± 0.3	0.210	927	415	
1 X 120 mm ²	17.6	20.9 ± 0.3	0.164	1181	485	
1 X 150 mm ²	19.0	22.2 ± 0.3	0.1320	1389	557	
1 X 185 mm ²	21.2	24.6 ± 0.3	0.1080	1720	647	
1 X 240 mm ²	23.9	27.9 ± 0.3	0.0817	2274	775	

Operating voltage U ₀ /U	0.6/1 kV AC max 1.8 kV DC	Properties
Test voltage in production	6000 V DC	
Temperature range	Ambient -40 to +90 °C, max conductor temperature 90 °C	
Short circuit temperature	300 °C	
Bending radius	5 X D	

Standard	Dimensions based on NEN 3356	General
Outer marking	ELD-SOLAR® yxn mm ² + UV CE	
Use	Cable is intended to be used for fixed and flexible connection of solar panels.	
Further information	Excellent ozone and UV resistance	
Halogen free	According to EN 50267-2-1 and EN 60684-2	
Delivery	500m on non returnable reels/100m on rings	

Technical information about products can be changed without notification in advance. No rights can be derived from this specification.