

# PRODUCT SPECIFICATION

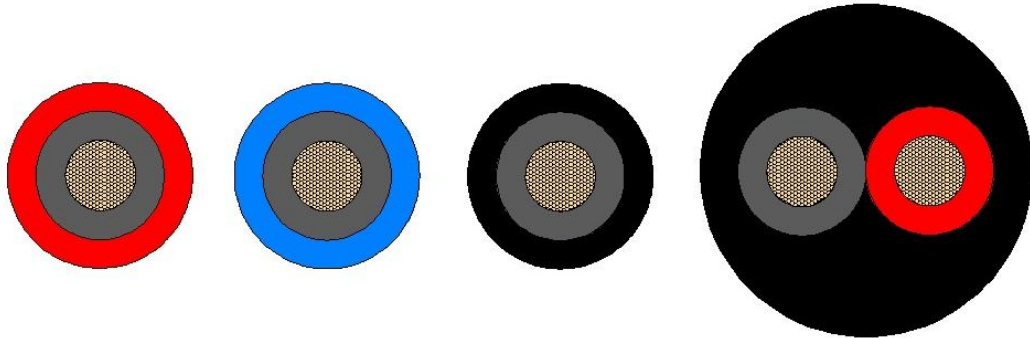


• Revision 4- date: 09-06-2007

## ELD-SOLAR<sup>®</sup> High Performance

Trade number:

1 / 1



### Cable-construction:

<i>Conductor</i>	Tinned copper conductor according to class 5 of IEC 60228
<i>Core insulation</i>	Special EPR compound
<i>Diameter over insulation</i>	See table
<i>Colour coding</i>	Single wire: black Two wires: black and red
<i>Outer sheath</i>	Special halogenfree flame retardant TPU compound colour : black, red or blue
<i>Diameter over sheath</i>	See table

Type	Diameter over insulation approx. (mm)	Outer diameter (mm)	Max. conductor resistance at 20°C (Ω/km)	Weight approx. (kg/km)	Current carrying capacity acc. HD 604 at 30°C (A)
1 x 2.5 mm <sup>2</sup>	3.6	5.6 ± 0,15	8.21	45	42
1 x 4 mm <sup>2</sup>	4.6	6,5 ± 0.2	5.09	65	56
1 x 6 mm <sup>2</sup>	5.0	7,1 ± 0,2	3.39	85	71
1 x 10 mm <sup>2</sup>	6.5	9,2 ± 0,2	1.95	130	96
1 x 16 mm <sup>2</sup>	7.7	10.0 ± 0,3	1.24	186	128
1 x 25 mm <sup>2</sup>	9.0	11.5 ± 0,3	0.795	271	173
2 x 2.5 mm <sup>2</sup>	3.6	9.7 ± 0,3	8.21	106	34
2 x 4 mm <sup>2</sup>	4.6	11.7 ± 0,3	5.09	156	44
2 x 6 mm <sup>2</sup>	5.0	12.8 ± 0,3	3.39	207	57

<i>Operating voltage</i>	1kV
<i>Test Voltage in water 1 hr at 100°C</i>	5000V AC
<i>Test voltage in production</i>	6000V DC
<i>Temperature range</i>	-40°C to +120°C (material) -40°C to + 85°C ( TÜV approved)
<i>Short circuit temperature</i>	300°C
<i>Bending radius</i>	5xD

<i>Standard</i>	Dimensions based on NEN 3356. Pass IEC 60332/1 fire test Halogenfree according to IEC 60754-2 / EN 50267-2-3
<i>Outer marking</i>	<b>ELD-SOLAR<sup>®</sup> High Performance yxn mm<sup>2</sup> + UV TÜV Pb free HFFR CE</b>
<i>Use</i>	Cable is intended to be used for fixed and flexible connection of solar panels.
<i>Further information</i>	Excellent ozone and UV resistance due to the special sheath compound
<i>Delivery</i>	500m on non returnable reels / 100m on rings