

## General Specifications

Product name	: DCS 15 Am
Product description	: Installation cable for Solar Home Systems

## Electrical Specifications

Resistance at 20°C	: Ohm/km 26.00
Max. permissible current	: 10 A
Max. cable length at max. current	: 1.5 m
<b>Electrical strength</b>	
-in water	: to withstand 1000 V for 1 minute
-in air	: to withstand 3000 V for 1 minute
-spark	: to withstand 5000 V for at least 0.15 sec.

## Mechanical Specifications

Conductor material	: Bare annealed copper wire
Section area	: 2 x 0.75 mm <sup>2</sup>
Copper wire size (nxØ wire)	: 2 x 30 x 0.18 mm
Insulation Thickness	: 1.0 mm
Overall Thickness	: 3.95 mm
Overall width	: 9.30 mm
<b>Shielding</b>	
	: PVC (fire retardant)
Color	: black
Tensile strength	: Min. 11Mpa
Elongation	: Min. 190%
<b>Thermal aging ( 80°C ± 2°C, 7x24hr)</b>	
-Tensile strength	: Retention rate compared to before heating 60%
-Elongation	: Retention rate compared to before heating 70%
<b>Heat Shock</b>	
Cold bend	: No cracks or flaws on the surface
Heat deformation	: No cracks or flaws on the surface
Flame Retardance	: Thickness not to exceed 30%
	: Flame to go out naturally within 60 sec.
<b>Properties of conductor copper wire</b>	
-Elongation	: min. 15%
-Electrical conductivity	: min. 98%
Z	
Standard packaging	: 500 meters/roll
Packing dimensions (ØxH)	: 500 mm x 110 mm
Gross weight	: 36 kg
Volume / Roll Per m <sup>3</sup>	: 0.02m <sup>3</sup> / 50 roll/m <sup>3</sup>

