



HALLEY CABLES

Aluminium Solar Cable

Low voltage power cable, 90° C sun res, 600 V

Aluminium cable for photovoltaic systems applications

Aluminium Solar Cable

Construction:

Conductors : concentric stranded aluminium, 1350 class B, ASTM 231/B.
Insulation : crosslinked polyolefin (XL).
Outer sheath : crosslinked polyolefin (XL).

Technical data and tests:

Rated voltage : 0.6/1 kV.
Tensile strength : 15 N/mm².
Operating temperatures : -40° C to +90° C.
Max. short-circuit temp. : +160° C.
Sheath colour code : black RAL 9005, red RAL 3013, blue RAL 5015.
Flame retardancy : FV-1, UL 2556.
Electric resistance : ASTM 231/B.
Halogen free : (<0,5 mg/g - 0.5%), CEI EN 50267-2-1/2, IEC 60754-1/2.
UV resistance : UL 2556.
Bending radius : 6 x diameter.

Applications:

This aluminium cable is designed for photovoltaic/solar systems, wind turbine generators, heat and power plants, railway vehicles/automobiles, transformer stations, switching stations/control panels and other installations with limitation in torsion angle, hard radius curves and cycles. It is also suitable for fixed installations outside and inside, in unprotected pipes within sight or cashed out, or similar closed system.

DIMENSIONS

Size nr. x mm ²	Section awg	Medium outer diameter mm	Medium weight kg x km	DC Resistance Ω/km
1x6	10	6,9	53	4,79
1x10	8	8,6	81	2,87
1x16	6	9,7	108	1,8

