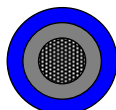




DESIGN



Conductor Material:	Tin-plated copper alloy (IEC 60228 Class 5)	
Conductor Ø:	4mm ²	Multi-stranded
	6mm ²	Multi-stranded
Conductor diameter across insulation:	4mm ²	Ø 4,45 mm
	6mm ²	Ø 5,05 mm
Insulation material:	XL-HFFR	
Jacket material:	XL-HFFR halogen-free, flame-retardant 4mm ² in blue, 6mm ² in black	
Print:	www.azur-solar.com Solarkabel n mm ² + PV1-F UV TÜV CE	

GENERAL DESCRIPTION

XL-HFFR insulated, XL-HFFR jacketed (black or blue) double-layered insulation for the stationary indoor and outdoor DC-connection of PV-Arrays. Highly resistant to mechanical and thermal stress, as well as UV-rays and ozone. The halogen-free material has excellent flame-retardant properties and very low smoke emission levels in case of fire.

TECHNICAL DATA

Type	Outer Diameter ca. (mm)	Weight aprox. (kg/km)	Max. DC resistance at 20°C (Ω/km)	Designed for nominal load of (A) at 30°C
4 mm ²	6,0 (± 0,1)	69	5,09	56
6 mm ²	7,6 (± 0,1)	88	3,39	71

Operating Voltage:	1kV AC / 1.8kV DC
Test Voltage:	10000 V DC
Short circuit temperature:	200 °C
Bending radius:	5 x diameter
Operating temperature range / max conductor temp:	-40° bis +90° / 120°C



Certificates

Minimal emission of toxic smokes in case of fire:	IEC 60754-2 / DIN EN 50267-2-3
Flame retardant:	EN 60332-1-2
Halogen-free	EN 50267-2-1 und EN 60684-2
TÜV Certificate	TÜV 2 Pfg 1169/08.2007

Applications

Solar cable for the stationary indoor and outdoor DC-connection of PV-Arrays.

Available Sizes

100 m Coil
500 m Cable Drum