

# Aluminum solar cable

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## APPLICATIONS

1500V Aluminium solar cable is suitable for photovoltaic installations. Specially designed for the connection of photovoltaic panels, meeting the varying needs of the solar industry.

## CONSTRUCTION

Conductor: Aluminium class 2 based IEC 60228. Insulation: Cross-linked polyethylene (XLPE) Outer sheath: Special flexible UV resistant PVC, Black colour. Marking: Meter by meter marking

## FIRE PERFORMANCE

Flame non-propagation based on UNE-EN 60332-1 and IEC 60332-1.

## CHEMICAL PERFORMANCE

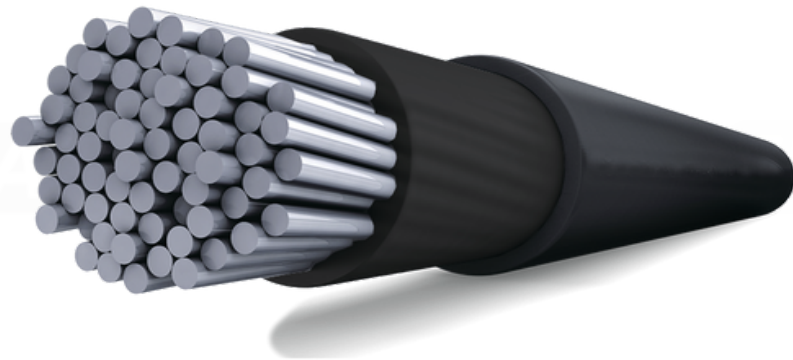
Chemical & Oil resistance

## WATER PERFORMANCE

Water resistance: AD7 Immersion.

## THERMAL PERFORMANCE

Maximum service temperature: 90°C.  
Maximum short-circuit temperature: 250°C (max. 5 s). Minimum service temperature: -25°C (fixed and protected installations).



## STANDARD

According to IEC60502 and IEC 60228.

## UV RESISTANT

UNE 211605 and NF-C 32-323.

## MECHANICAL PERFORMANCE

Minimum bending radius: 5D. Impact resistance: AG2 Medium severity.

## PACKAGING

**Coil:** 100m, 250m, 300m

**Drum:** 500m, 1000m, 2000m, 3000m

*Other packaging available on request on request*

## TECHNICAL DATA

Article Number	Size	∅ cond.*	Nom.Thick.	∅ nom. Insulation	Outer diameter*	Weight approx.	Permissible current	Permissible current	Conductor resistance	X α 60Hz
	[mm <sup>2</sup> ]	[mm]	Insulation [mm]	[mm]	[mm]	[kg/km]	at air (1) A	buried (2) A	[Ω/km]	[Ω/km]
FRALO 1	1x16	4,65	0,7	6,1	8,3	85	70	76	1,91	0,1186
FRALO 2	1x25	5,85	0,9	7,7	9,9	124	88	98	1,2	0,1145
FRALO 3	1x35	6,75	0,9	8,6	10,8	153	109	117	0,868	0,1103
FRALO 4	1x50	8,0	1	10,1	12,5	200	133	139	0,641	0,1085
FRALO 5	1x70	10,0	1,1	11,9	14,5	265	170	170	0,443	0,1029
FRALO 6	1x95	11,2	1,1	13,8	15,8	340	207	204	0,32	0,1008
FRALO 7	1x120	12,6	1,2	15,3	17,4	420	239	233	0,253	0,0992



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