

ALUMINIUM SOLAR CABLE

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

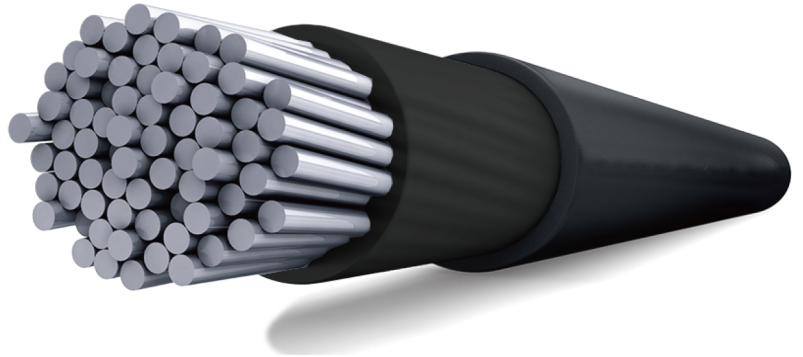
Flame non-propagation based on UNE-EN 60332-1 and IEC 60332-1.

Chemical performance

Chemical & Oil resistance: Good.

Water performance

Water resistance: AD7 Immersion.



Standard

According to IEC60502 and IEC 60228.

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).

Mechanical performance

Minimum bending radius: 5D.

Impact resistance: AG2 Medium severity.

UV Resistant

UNE 211605 and NF-C 32-323.

Article Number	Size [mm ²]	Ø cond.* [mm]	Nom.Thick. Insulation [mm]	Ø nom. Insulation [mm]	Outer diameter* [mm]	Weight aprox. [kg/km]	Permissible current at air (1) A	Permissible current buried (2) A	Conductor resistance [Ω/km]	X a 60Hz [Ω/km]
FRAL01	1x16	4,65	0,7	6,1	8,3	85	70	76	1,91	0,1186
FRAL02	1x25	5,85	0,9	7,7	9,9	124	88	98	1,2	0,1145
FRAL03	1x35	6,75	0,9	8,6	10,8	153	109	117	0,868	0,1103
FRAL04	1x50	8,0	1	10,1	12,5	200	133	139	0,641	0,1085
FRAL05	1x70	10,0	1,1	11,9	14,5	265	170	170	0,443	0,1029
FRAL06	1x95	11,2	1,1	13,8	15,8	340	207	204	0,32	0,1008
FRAL07	1x120	12,6	1,2	15,3	17,4	420	239	233	0,253	0,0992
FRAL08	1x240	18,3	1,7	21,9	25,5	860	360	357	0,125	0,0893