

-40°C / +90°C / +120°C



**BAŞOĞLU**  
**SOLARA PV**  
PHOTOVOLTAIC SOLAR CABLE

### APPLICATION

They are used in solar power and solar energy production applications, solar cells and solar panel systems. It is suitable for usage in PV systems manufactured in compliance with HD 60364-7-712. Recommended service life is 25 years.

### STRUCTURE

1	Conductor	Electrolytic tinned flexible copper
2	Insulation	LSZH-FR cross linked polymer
3	Sheath	LSZH-FR cross linked polymer

### TECHNICAL SPECIFICATIONS

1	Conductor	EN 60228 class 5
2	Nominal operating voltage	AC 0,6/1kV
3	Max. operating voltage (DC)	1.8 kV
4	Test voltage (AC)	10 kV
5	Current carrying capacity	According to requirements for cables for PV system TUV 2 Pfg 1169/08.2007
6	Ozone resistance	Test according to EN 50396
7	UV resistance	Test according to UL 1581 (xeno-test), ISO 4892-2 (meth. 1), HD 605/A1-2.4.20
8	Smoke density	EN 61034-2
9	Reference standards	EN 60332-1-2
10	Operating temperature	-40 °C ... +90 / +120 °C
11	Storage temperature max.	+40 °C
12	Flame propagation	EN 60332-3-24 Cat C:
13	Halogen acid gas content	EN 50267-2-1
14	Degree of acidity of gases	EN 50267-2-2
15	Acid and alkali solution resistance	EN 60811-2-1
16	Expected life time	25 years

Note:  
Refer to the table in page 282 for conductor resistance values.

