

Electron beam cross-linked solar cable

### Product Description

Robust against mechanical impact; Reduction of flame propagation as well as of toxic combustion gases in the event of fire; Exact quantity control during installation by meter marking on the cable sheath



### Application range

- For cabling of solar modules among themselves and as extension cable between the individual module strings or DC/AC inverter
- Gable and flat roof photovoltaic systems
- Photovoltaic resp. solar fields

### Benefits

- Robust against mechanical impact
- Reduction of flame propagation as well as of toxic combustion gases in the event of fire
- Exact quantity control during installation by meter marking on the cable sheath

### Design

- Conductor: Fine wired tinned copper strands
- Core insulation: Electron beam cross-linked copolymer
- Core insulation colour: Black, red or blue
- Outer sheath: Electron beam cross-linked Copolymer
- Outer sheath colour: Black

### Approvals (Norm references)

- Flame retardant according to IEC 60332-1-2
- Halogen-free according to EN 50267-2-1/-2
- Ozone resistant according EN 50396
- Weather-/UV resistant according HD 605/A1



- Acid-/Brine resistant according EN 60811-2-1

### Product features

- Weathering-, abrasion and UV resistant
- Good heat pressure resistance
- Halogen-free and flame retardant
- Resistant against oxalic acid and sodium hydroxide
- On request and considering economic minimum lengths also available with red and blue outer sheath

### Technical Data

#### Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5

#### Minimum bending radius

Fixed installation: 4 x cable diameter

#### Rated voltage

AC U0/U : 600/1000 V DC U0/U : 900/1500 V Max.  
permissible operating voltage: DC 1800 V

#### Test voltage

AC 6500 V

#### Range of temperature

Fixed installation: -40° C up to +100 °C

### Article List

Part number	Conductor cross section in mm <sup>2</sup>	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® SOLAR XLS - Core insulation: black / Outer sheath: black				
0025800	1,5	5.4	14.4	29
0025805	2,5	5.4	24.0	45
0025810	4	6.0	38.4	72
0025815	6	7.1	57.6	102
0025820	10	8.9	96.0	159
0025825	16	9.8	153.6	247
ÖLFLEX® SOLAR XLS - Core insulation: red / Outer sheath: black				
0025801	1,5	5.4	14.4	29
0025806	2,5	5.4	24.0	45
0025811	4	6.0	38.4	72
0025816	6	7.1	57.6	102



0025821	10	8.9	96.0	159
0025826	16	9.8	153.6	247
ÖLFLEX® SOLAR XLS - Core insulation: blue / Outer sheath: black				
0025802	1,5	5.4	14.4	29
0025807	2,5	5.4	24.0	45
0025812	4	6.0	38.4	72
0025817	6	7.1	57.6	102
0025822	10	8.9	96.0	159
0025827	16	9.8	153.6	247

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil 100 m; Drum (500; 1000) m

Photographs are not to scale and do not represent detailed images of the respective products.