

Product Description

Reinforced outer sheath protects well against mechanical stress; High thermal capacity for long lasting operation of the PV system at all seasons; Reduced spreading of fire source and formation of toxic combustion gases in event of fire; Considering universally valid installation guidelines also suitable for direct burial; Exact quantity control during installation by meter marking on the cable sheath



Application range

- For cabling of individual module strings as well as for fixed solar generators and moved tracking systems
- Open land solarfield plants
- Big conductor cross-sections are used as collecting main to transmit high power loads between the individual panel-strings and as connection to the DC/AC inverter of huge PV plants respectively solar fields

Benefits

- Reinforced outer sheath protects well against mechanical stress
- High thermal capacity for long lasting operation of the PV system at all seasons
- Reduced spreading of fire source and formation of toxic combustion gases in event of fire
- Considering universally valid installation guidelines also suitable for direct burial
- 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
- Outer sheath: Electron beam cross-linked Copolymer
- Outer sheath colour black

Approvals (Norm references)

- Weather-/UV resistant according HD 605/A1
- Flame retardant according to IEC 60332-1-2
- Halogen free in accordance with IEC 60754-1
- Ozone resistant according EN 50396
- Acid-/Brine resistant according EN 60811-2-1



Product features

- Excellent weather-, abrasion-, temperature- and UV resistance
- Good heat pressure resistance
- Halogen-free and flame-retardant.

Technical Data

Core identification code

Black

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 ² | Outer diameter in mm approx. | Copper index kg/km | Weight kg/km approx. |
|--------------------|--|------------------------------|--------------------|----------------------|
| ÖLFLEX® SOLAR XLSv | | | | |
| 0027110 | 4 | 8 | 38.4 | 104 |
| 0027111 | 6 | 9.1 | 57.6 | 141 |
| 0027112 | 10 | 10.5 | 96 | 201 |
| 0027113 | 16 | 11.9 | 153.6 | 280 |
| 0027114 | 25 | 13.2 | 240 | 386 |
| 0027115 | 35 | 14.5 | 336 | 502 |
| 0027116 | 50 | 17.7 | 480 | 698 |
| 0027117 | 70 | 19.7 | 672 | 921 |
| 0027118 | 95 | 22 | 912 | 1210 |
| 0027119 | 120 | 23.8 | 1152 | 1475 |
| 0027120 | 150 | 28 | 1440 | 1868 |
| 0027121 | 185 | 31 | 1776 | 2299 |
| 0027122 | 240 | 34 | 2304 | 2910 |

Footnote:

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



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Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

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

Considering economic minimum lengths we produce on request versions with red respectively blue core insulation colour or an imprinted code stripe on the black outer sheath as distinctive feature