

UL listed solar cable according NEC for application in North America

Product Description

The c(UL)us listings enable the use for wiring of PV systems in whole North America. According the NEC (National Electrical Code) only especially for outdoor purposes listed cables are permitted in the USA for PV installations; High thermal capacity for long lasting operation of the PV system at all seasons; 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

- The c(UL)us listings enable the use for wiring of PV systems in whole North America. According the NEC (National Electrical Code) only especially for outdoor purposes listed cables are permitted in the USA for PV installations
- High thermal capacity for long lasting operation of the PV system at all seasons
- 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: Special polyolefin, cross-linked
- Outer sheath: Cross-linked copolymer
- Outer sheath colour: Black

Product features

- Good weather-, abrasion-, temperature- and UV resistance
- Weatherproof according to ISO 4892-2 respectively UL 1581 Section 1200
- Halogen-free and flame retardant (IEC 60332-1-2)



Technical Data

Approvals

c(UL)us listed according UL USE-2 "SUNLIGHT RESISTANT" cUL RWU90 "SUNLIGHT RESISTANT"

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 according to UL (USA): 600 V according to cUL (Canada): 1000V

Test voltage

4000 V

Range of temperature

Fixed installation: -40 °C bis +120 °C according UL: +90 °C

Article List

Part number	Conductor cross section in mm ²	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® SOLAR XL multi - UL / cUL approved Outer sheath colour: Black				
0026585	2,5	5.6	24.0	45
0026586	4	6.0	38.4	72
0026587	6	7.1	57.6	102
0026588	10	8.5	96.0	159
0026589	16	9.9	153.6	247
Outer sheath colour black - coded				
0026590	2,5	5.6	24.0	45
0026591	4	6.0	38.4	72
0026592	6	7.1	57.6	102
0026593	10	8.5	96.0	159
0026594	16	9.9	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

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

Packaging size : 100mtr = coil / 500mtr u. 1000mtr = drum