

The latest solar cable generation according to PV1-F design

Product Description

Reduced outer diameter allows space saving installation; Reduction of flame propagation as well as of toxic combustion gases in the event of fire; Various coloured core insulations simplify on demand the differentiation of the polarity during installation; High thermal capacity for long lasting operation of the PV system at all seasons; Exact quantity control during installation by meter marking on the cable sheath



Application range

- For the cabling of flexible or building- integrated Photovoltaik Generators
- For cabling of solar modules among themselves and as extension cable between the individual module strings or DC/AC inverter
- Photovoltaic resp. solar fields

Benefits

- Reduced outer diameter allows space saving installation
- Reduction of flame propagation as well as of toxic combustion gases in the event of fire
- Various coloured core insulations simplify on demand the differentiation of the polarity during installation
- High thermal capacity for long lasting operation of the PV system at all seasons
- 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)

- TÜV Type Approved (2PFG 1169/08.07)



- 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

- Excellent weather-, temperature- and UV resistance
- Good notch and abrasion resistance
- Good heat pressure resistance
- Halogen-free and flame retardant
- Resistant against oxalic acid and sodium hydroxide

Technical Data

Approvals

PV1-F (TÜV Type approved according 2 PFG 1169/08.2007)

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

-40°C up to +120°C max. conductor temperature Ambient
temperatur range acc. to TÜV 2 PFG 1169/08.2007: -40°C
to +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 XLR TF Core insulation: black / Outer sheath: black | | | | |
| 0025905 | 1,5 | 5.4 | 14.4 | 43 |
| 0025923 | 2,5 | 5.4 | 24.0 | 51 |
| 0025943 | 4 | 6.0 | 38.4 | 70 |
| Core insulation: red / Outer sheath: black | | | | |
| 0025911 | 1,5 | 5.4 | 14.4 | 43 |
| 0025926 | 2,5 | 5.4 | 24.0 | 51 |
| 0025946 | 4 | 6.0 | 38.4 | 70 |
| Core insulation: blue / Outer sheath: black | | | | |



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|---------|-----|-----|------|----|
| 0025917 | 1,5 | 5.4 | 14.4 | 43 |
| 0025927 | 2,5 | 5.4 | 24.0 | 51 |
| 0025947 | 4 | 6.0 | 38.4 | 70 |

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

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

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