

ÖLFLEX® SOLAR XLWP

Electron beam cross-linked solar cables with optimized performance in water - EN 50618 type

ÖLFLEX® SOLAR XLWP, electron beam cross-linked solar cable with optimized performance in water

Info

Optimised cable design -

constant high volume resistance even after long-term period in water

H1Z2Z2-K (type according to EN 50618)

Substitutes previous ÖLFLEX® SOLAR XLR WP



Waterproof



UV-resistant



Temperature-resistant



Halogen-free



Solar Energy



Suitable for outdoor use



Cold-resistant

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Benefits

The alternative for long-term storage in water, e.g. as it can occur in case after flooding or in buried conduits
Reduction of flame propagation and of toxic combustion gases in the event of fire
Robust against mechanical impacts
Extruded colour stripe serves as reverse polarity protection during installation.
Exact quantity control during installation by meter marking on the cable sheath

Application range

For underground installation in conduits, in which water, heat and moisture can accumulate
For floating PV / canal top installations where cables are in contact with water or exposed to high humidity (see data sheet for more details)
Suitable for direct burial: see data sheet

Product features

Weather/UV-resistant acc. to EN 50618, appendix E
Ozone-resistant according to EN 50396
Halogen-free and flame-retardant
Good notch and abrasion resistance
XLWP = X-Linked Water-Proof
Proven electron beam cross-linked quality

Norm references / Approvals

H1Z2Z2-K (type according to EN 50618)
Items with other cross-sections on request

Product Make-up

Fine-wire, tinned-copper conductor
Core insulation made of electron beam cross-linked copolymer
Colour of core insulation: white
Outer sheath made of electron beam cross-linked copolymer
Outer sheath colour: black respectively black with red stripe

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Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Fixed installation: 4 x outer diameter
Nominal voltage:	AC U ₀ /U : 1,0/1,0 kV DC U ₀ /U : 1,5/1,5 kV Max. permissible operating voltage: DC 1,8 kV
Test voltage:	AC 6500 V
Current rating:	Im compliance with EN 50618, Table A.3
Temperature range:	-40°C to +120°C max. conductor temperature based on EN 60216-1 Ambient temperature range according to EN 50618: -40°C to +90°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

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

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

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1023601	4	5.8	38.4	68.1
1023602	6	6.4	57.6	91.6
1023603	10	7.6	96	138.6
1023604	16	9.1	153.6	209.7
Core insulation: white / Outer sheath: black with red stripe				
1023621	4	5.8	38.4	68.1
1023622	6	6.4	57.6	91.6
1023623	10	7.6	96	138.6
1023624	16	9.1	153.6	209.7

Last Update (29.06.2018)

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Product Management www.lappkabel.deYou can find the current technical data in the corresponding data sheet.
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