

ÖLFLEX® SOLAR XLWP

E-beam cross-linked H1Z2Z2-K with optimized water performance and for burial

ÖLFLEX[®] SOLAR cable, type H1Z2Z2-K certified by TÜV per EN 50618, e-beam crosslinked, particularly watertight design, burial in ground, UL 854 impact tests, AD8

Optimised cable design - high volume resistance even after long-term period in water
H1Z2Z2-K type certified according to EN 50618
Burial (see details)



(23.04.2024)

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Robust against mechanical impact, for instance in case of unprotected burial in professionally made cable trench: Additional impact tests per UL 854

The alternative for water coverage, e.g. due to elevated water line caused by flooding
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Photovoltaic systems with DC system voltage up to 1800 V to ground
DC/AC

Underground use without protection conduit/ duct in professionally built cable trench with at least 50 cm of back-fill soil (70 cm underneath roads), above indicating tape, above covering plastic slab, above at least 10 cm of covering sand layer, above the cable laid on at least 10 cm high sand bed layer (cf.: Section 4.2 of VDE 0891-6, or Section 300.5 in Article 300 of NFPA 70/ NEC - National Electrical Code of the USA)

In September 2018 and based on AD8 watertightness and particularly watertight design, this product was recommended by Solartechnik Bayern for underground use typically realized via underground conduits/ ducts (...) for PV applications; Damp build-up of contaminated water inside underground conduit/duct shall be avoided

The expected service life at normal use conditions in line with EN 50618 amounts to 25 years

Weather/ UV resistant per EN 50618 as well as ozone resistant per EN 50396;

Transversely watertight "AD8" per IEC 60364-5-51/ HD 60364-5-51, IEC 62440, and EN 50525-2-21

Tested against burial-related, mechanical UL 854 Tests Impact-Resistance and Crushing-Resistance

XLWP = X-Linked + Water-Proof (Permanent water contact AD8 acc. to IEC 60364-5-51, 1 mtr. in max. submersion depth @ temperature of widely unmoved water between 5 °C and 40 °C),

Proven electron beam cross-linked quality

H1Z2Z2-K type certified according to EN 50618

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ETIM 5:

ETIM 5.0 Class-ID: EC001578

ETIM 5.0 Class 가

ETIM 6:

ETIM 6.0 Class-ID: EC001578

ETIM 6.0 Class :

(23.04.2024)

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data sheet

PN 0456 / 02_03.16

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:	IEC 60228/VDE 0295 class 5	
:	D ≤ 8mm: 4D; 8 < D ≤ 12mm: 5D; D > 12mm: 6D *D = Cable's outer diameter	
:	AC U ₀ /U: 1.0/1.0 kV DC U ₀ /U: 1.5/1.5 kV Max. permissible DC operating voltage: 1.8 kV	
:	AC 6500 V	
:	Im compliance with EN 50618	
:	-40°C ~ +120°C EN 60216-1	EN 50618
:	: -40°C ~ +90°C	

가 가 () 가 .
www.lappkabel.de/en/cable-standradlengths
 : 100 m; (500; 1000) m
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	(mm ²)	(mm)	(kg/km)	(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
: / :				
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
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1023625	4	5.8	38.4	68.1
1023626	6	6.4	57.6	91.6

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