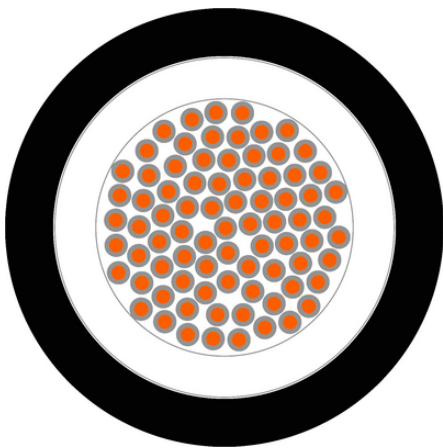


ÖLFLEX® SOLAR H1 BUR

H1Z2Z2-K/EN 50618 solar cable, Burial in ground, AD8, Dca

ÖLFLEX[®] SOLAR H1 BUR - TÜV-certified H1Z2Z2-K solar cable by LAPP per EN 50618/ IEC 62930, UL 854 Crushing- & Impact-Resistance, AD8, Burial in ground, CPR Dca

AD8 - Permanent Submersion
Tested Burial in Ground
Dca classified per CPR



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ÖLFLEX® SOLAR H1 BUR



Halogen-free core insulation and sheath compound to meet special fire protection requirements
Transverse watertightness allows permanent submersion in shallow, uncontaminated water: AD8 in accordance with IEC 60364-5-51 and IEC 62440

(17.05.2024)

ÖLFLEX® SOLAR H1 BUR

Due to its increased mechanical strength, it is suitable for underground installation in a cable trench with a sand bed, tested using the "Impact-Resistance Test" and the "Crushing-Resistance Test" in accordance with UL 854
Cross-linked insulation and sheath materials promote longevity at high temperatures or at high current load, and provide high dielectric strength and a high short-circuit temperature
IEC certification allows international use of the product in countries in which the IEC standards are applicable

For unprotected connection of solar modules and inverters in earthed and non-earthed photovoltaic systems according to EN 50618 and IEC 62930
For fixed installation and occasional flexing, if necessary freely hanging
Underground installation in protective cable conduits only with drainage of accumulated water
Underground installation in a cable trench with a sand bed based on VDE 0891-6 and DIN EN 50174-3
Expected service life of 25 years in accordance with EN 50618 and IEC 62930 in case of norm-compliant wiring and operation

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
Flame retardant per IEC 60332-1-2, and Dca classified per EU CPR - Construction Product Regulation (EU) No. 305/2011
Halogen-free according to IEC 60754-1 (amount of halogen acid gas),
Low Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

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

"H1Z2Z2-K" type-certified by TÜV as per EN 50618

"62930 IEC 131" type-certified by TÜV as per IEC 62930

Core insulation made of cross-linked copolymer

:	,
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 :
:	IEC 60228/VDE 0295 class 5
:	Occasional flexing: 15xOD Stationary use: 4xOD (5xOD only where OD >8mm)
:	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 Acc. to EN 50618, reduction factors for clustered wiring per... HD 60364-5-52

(17.05.2024)

ÖLFLEX® SOLAR H1 BUR

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- >Conductor..., max., per EN 60216-1: 120°C;
- >Conductor..., max., short-circuit/ earth fault (period of max. 5 s): 250°C;
- >Ambient..., min., stationary use: -40°C;
- >Ambient..., min., flexible use or during installation: -25°C;
- >Ambient..., max., in conjunction with EN 60216-1: 90°C;
- >Ambient..., constant, in conjunction with HD 60364-7-712: 70°C to 90°C;
- >Ambient..., ambient temp. related reduction factor 1.00: 60°C;
- >Ambient..., max., storage: 40°C

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www.lappkabel.de/en/cable-standradlengths

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ÖLFLEX® SOLAR H1 BUR

	(CORE) / (mm ²)	(mm)	(kg/km)
38115806	1 X 4	5.6	38.4
38115807	1 X 6	6.2	57.6
38115808	1 X 10	7.4	96
38115813	1 X 4	5.6	38.4
38115814	1 X 6	6.2	57.6
38115815	1 X 10	7.4	96
38115820	1 X 4	5.6	38.4
38115821	1 X 6	6.2	57.6
38115822	1 X 10	7.4	96

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data sheet

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