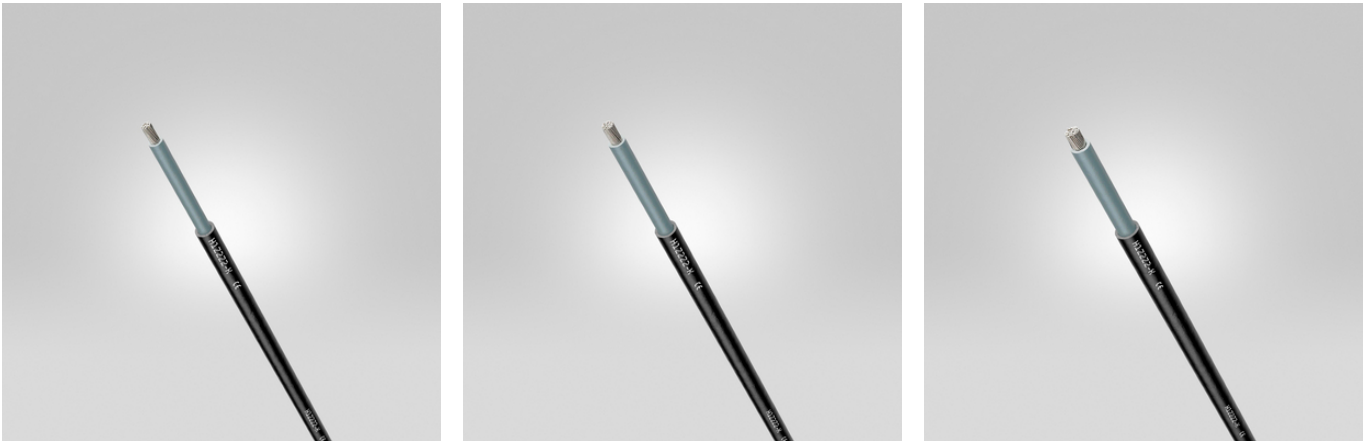


# H1Z2Z2-K, optimized version

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

H1Z2Z2-K - cross-linked solar photovoltaic (PV) cable per EN 50618, UV/ Ozone resistant, UL Crushing- & Impact-Resistance Test, AD8, Burial in Ground, CPR Dca

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



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## H1Z2Z2-K, optimized version



Robust against mechanical impacts, Burial in professionally made cable trench inside or without protection system  
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Inside the EU, and particularly on site, applicable for many building types as per local, legal implementation of EU CPR - Construction Product Regulation (EU) No. 305/2011, thanks to Dca Classification  
25 years in expectable lifespan under normal use conditions as defined in EN 50618

For free and stationary or for freely suspended outdoor and indoor cabling between the solar modules, or between the module strings and the DC/AC inverter, for example in line with HD 60364-7-712 on PV systems, and EN 50618 on H1Z2Z2-K cable type, etc....; Short circuit and earth fault protected per EN 50618, Annex A, and per HD 60364-5-52

As per EN 50618, Annex A, inside electrical installation pipe/ duct/ channel, plaster, and appliance, as well as inside or connected to double insulated/ protected appliance or system of protection class II

Photovoltaic systems with DC system voltage up to 1800 V to ground

AD8: Permanent water contact and submersion down to 1 metre in water depth

Increased, mechanical robustness, for instance in the event of impact;

Burial in Ground in professionally made cable trench (see Section 4.2 of VDE 0891-6, or Section 300.5 in Article 300 of NFPA 70/ NEC - National Electrical Code of the USA) with or without additional protection system, such as tube/ duct/ conduit for burial in ground;

Where additional protection system for burial in ground is used, internal waterlogging of contaminated water in contact with the cable's outer sheath must be avoided.

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)

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# H1Z2Z2-K, optimized version

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

H1Z2Z2-K type certified according to EN 50618

Core insulation made of cross-linked copolymer

Further single colours for the outer sheath on request

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
:	4 x OD
:	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 DC 15000 V
:	In compliance with EN 50618 Acc. to EN 50618, reduction factors for clustered wiring per... HD 60364-5-52
:	>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

가 가 ( ) 가  
[www.lappkabel.de/en/cable-standradlengths](http://www.lappkabel.de/en/cable-standradlengths)

가 VAT 가 가

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## H1Z2Z2-K, optimized version

	(CORE) / (mm <sup>2</sup> )	(mm)	(kg/km)	(kg/km)
1023762	1 X 16	9.3	153.6	180

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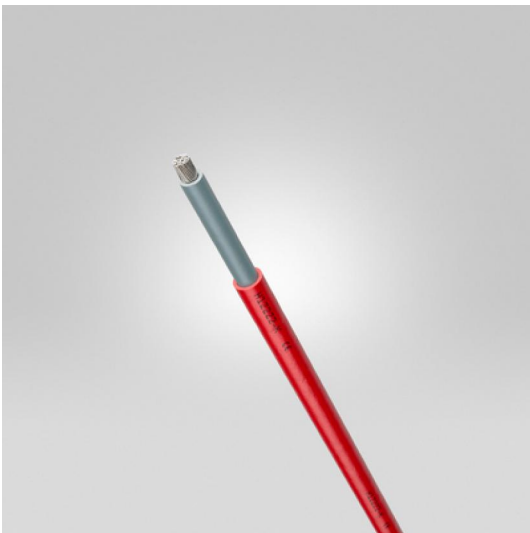
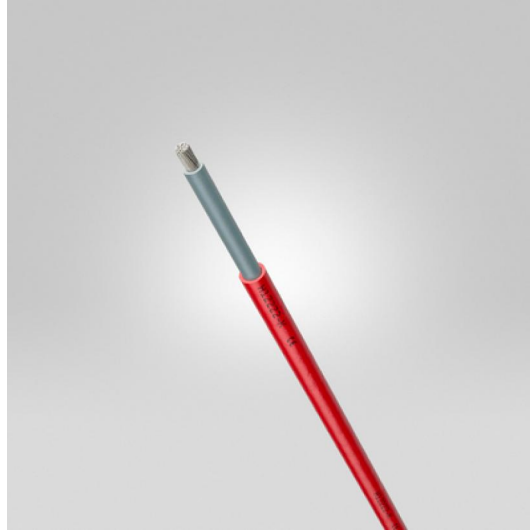
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## H1Z2Z2-K, optimized version



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