

SOLAR CABLE H1Z2Z2-K

H1Z2Z2-K/EN 50618 solar cable, Burial in ground: Professional Cable Trench

H1Z2Z2-K EN 50618 PV Solar Cable, DC String Cable, TÜV-certified -approved, Flexible, Halogen-Free, Direct Burial in Professional Cable Trench, AD8, CPR Eca

정보

Eca classified per CPR

Burial in layered trench/ AD8

TÜV certified



태양 에너지



옥외용에 적합



화학적 저항성 우수



화염 저지력



할로겐프리



내한성



기계적 저항성



저중량

최근 업데이트 (01.05.2024)

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해당하는 data sheet 에서 최근 자료를 찾을 수 있습니다.

PN 0456 / 02_03.16

SOLAR CABLE H1Z2Z2-K



튼튼함



내산성



전압



내온도성



자외선 저항



방수



장점

외부 응용 용도

화재시 화염 전파 및 독성 연소 가스 감소

Eca classified per CPR

25 years in expectable lifespan under normal use conditions as defined in EN 50618

Improved resistance in salt-containing air and close to salt water bodies

응용 범위

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

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). Underground laying inside buried conduit/ tube/ pipe/ raceway, where waterlogging is carried off, out of the protection system, and where any water intruding the protection system is not contaminated

Permanent contact with uncontaminated freshwater, under mechanical protection; Conditional usability in limitedly salt-containing air, for instance close to salt-containing water bodies

제품 특성

Weather/ UV resistant per EN 50618, Annex E, as well as ozone resistant per EN 50396

Flame retardant per IEC 60332-1-2, and Eca 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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AD8 - Permanent Submersion
Salt mist resistance test acc. to DIN EN 60068-2-11, test Ka, sections 3.1.2 and 3.2;
Ammonia resistance test per EN 50618;
Long-term water immersion test based on EN 50618 and EN 50395;
AD8 test series per EN 50525-2-21, annexes D and E

인증

H1Z2Z2-K type certified according to EN 50618

제품 구성

미세 소선으로 만들어진 주석도금 도체
Naturally coloured conductor insulation made of electron-beam cross-linked co-polymer polyolefin (XLPO)
Outer sheath made of electron-beam cross-linked, halogen-free co-polymer polyolefin (XLPO)
Outer sheath colours:
#38001014: Black only
#38001015: Black main colour with red, longitudinal stripe

기술 데이터

분류 ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class 설명 가용성 케이블
분류 ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class 설명: 유연한 케이블
도체 연합:	IEC 60228/VDE 0295 class 5에 따른 미세 소선
최소 곡률 반경:	5 x Outer Diameter
공칭 전압:	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
시험 전압:	AC 6500 V DC 15000 V
전류량:	Im compliance with EN 50618 Acc. to EN 50618, reduction factors for clustered wiring per... HD 60364-5-52
온도 범위:	>Conductor/ max., per EN 60216-1: 120°C; >Conductor/ max., short-circuit/ earth fault (period of max. 5 s): 250°C; >Ambient/ min.: -40°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

비고

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SOLAR CABLE H1Z2Z22-K

품번	선심수(CORE) / 단면적(mm ²)	외경 (mm)	구리 지수 (kg/km)	무게 (kg/km)
38001014	1 X 6	6.1	57.6	75
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