

H1Z2Z2-K HP

SOLAR ENERGY CPR Dca s2,d2,a1

Model Product: 395 - 20240523



LSOH special compound isolation reticulated
Halogen Free Sheath cross-linked special compound
Flexible conductor TINNED copper, class 5.

STANDARDS

CEI EN 50618
EN 50575:2014 + EN 50575/A1:2016

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 3)

COMMON FEATURES

For the interconnection of the various elements of photovoltaic systems , suitable for fixed installations outside and inside, unprotected pipes within sight or cased out, or similar closed system CPR approved. Ozone-resistant according to EN50396. UV-resistant according to HD605/A1. The cable is tested for durability according to EN 60216 (indicated also in 2P fg 169/08.2007) standard interpretation under continuous use temperature 120°C for 20000h (= 2.3, years) continuous use temperature 90°C (= 30 years For direct or indirect underground wiring. Power and control use outdoor applications.

SPECIAL FEATURES:

Water resistant AD8 as per CEI EN 50525-2-21

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):

Diameter	8	12	20	> 20
Terminal	2D	3D	4D	4D
Fixed	3D	3D	4D	4D

Maximum pulling stress: Maximum tensile load: 15N/mm²;

PACKING

100mt. rings in thermo foil or drums with quality to agree.

SINGLE CORE FLEXIBLE CABLES, SUITED FOR PHOTOVOLTAIC AND SOLAR SYSTEM WITH CROSSLINKED POLYMER LSOH INSULATION AND HALOGEN FREE SHEATH. TESTED FOR MORE 25 YEARS LONG LIFE. THESE CABLES CAN BE USED UP TO 1800 Vcc TO THE GROUND CONTACT

Nominal voltage U0: 1000V(AC) 1500V(DC)

Nominal voltage U: 1000V(AC) 1500V(DC)

Test voltage: 6500 V AC

Maximum voltage Um: 1200V(AC) 1800V(DC Anche verso Terra)

Maximum operating temperature: +90°C +120°C sul conduttore

Maximum short circuit temperature: +250°C/5s

Minimum installation and laying temperature: -25°C

Min. operating temperature (without mechanical shocks): -40°C

CORE COLOURS

Single core: Light-Grey

SHEATH COLOUR

Black, Red, Blue

INK MARKING

GENERAL CAVI- Dca s2,d2,a1 - IEMMEQU - <HAR> H1Z2Z2-K HP YEAR progressive length.



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Cores number (N°)	Nominal Section (mm²)	Approx conductor diameter (mm)	Insulation medium thickness (mm)	Maximum external diameter (mm)	Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)	Current carrying capacities 60°C (A)	Current carrying burried 20°C (A)
Single core								
1x	4 #	2.5	0.7	6.6	58.2	5.09	55	41
1x	6 #	3.0	0.7	7.4	79.4	3.39	70	52
1x	10 #	3.9	0.7	8.8	128.4	1.95	98	70
1x	16 #	5.0	0.7	10.1	184.5	1.24	132	91
1x	25	6.4	0.9	12.5	276.8	0.795	176	118
1x	35	7.7	0.9	14.0	368.8	0.565	218	144
1x	50	9.2	1.0	16.3	557	0.393	276	178
1x	70	11.0	1.1	18.7	767	0.277	347	218

#TUV