

# 1Z2Z2Z5Z2-K / 1Z2Z2Z4Z2-K

ONLY DC SOLAR ENERGY

Model Product: 495 - 20181004



Flexible conductor TINNED copper, class 5.  
LSOH special compound isolation reticulated  
LSZH sheath.  
Armour in galvanized steel wires braid.  
Galvanized steel tapes armour.  
Halogen Free Sheath cross-linked special compound

## STANDARDS

CEI EN 50618 PQA / CEI 20-35 / 20-37P2  
EN 60332-1-2 / EN 50267-1-2 / EN 50267-2-2 EN 60216

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

## COMMON FEATURES

We reinforced cables for photovoltaic systems making them especially suitable for installation directly underground and to resist attacks by rodents. Cable suitable 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. Ozone-resistant according to EN50396. UV-resistant according to HD605/A1. the Cable is tested for durability according to EN 60216.

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 14 D  
Maximum pulling stress: 15 N/mm<sup>2</sup>

## PACKING

Drums to agree

SINGLE CORE FLEXIBLE CABLES, SUITED FOR PHOTOVOLTAIC AND SOLAR SYSTEM WITH CROSSLINKED POLYMER INSULATION AND HALOGEN FREE SHEATH. TESTED FOR MORE 25 YEARS LONG LIFE. ANTI-RODENT ARMOUR IN GALVANIZED STEEL WIRES BRAID AND STEEL TAPES TO BE THESE CABLES CAN BE USED UP TO 1800 V TO EARTH

Test voltage: 4000 V

Maximum voltage Um: 1800 Vcc Anche verso Terra

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

Maximum short circuit temperature: +250°C

Minimum installation and laying temperature: -40°C;

Min. operating temperature (without mechanical shocks): -55°C

## CORE COLOURS

Single core: Light-Grey

## SHEATH COLOUR

Black Blue,Red

## INK MARKING

GENERAL CAVI - 1Z2Z2Z5Z2-K only DC  
GENERAL CAVI - 1Z2Z2Z4Z2-K only DC

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**1Z2Z2Z5Z2-K <16mmq - 1Z2Z2Z4Z2-K >25mmq**

Cores number (N°)	Nominal Section	Insulation medium thickness (mm)	Maximum external diameter (mm)	Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)
Single core					
1x	1.5*	0.7	10.33	143	13.7
1x	2.5*	0.7	10.84	158	8.21
1x	4*	0.7	11.65	187	5.09
1x	6*	0.7	12.25	214	3.39
1x	10*	0.7	13.95	291	1.95
1x	16*	0.7	14.90	361	1.24
1x	25	0.9	16.88	479	0.795
1x	35	0.9	17.99	593	0.565
1x	50	1.0	20.05	769	0.393
1x	70	1.1	22.45	1006	0.277
1x	95	1.1	23.90	1239	0.210
1x	120	1.2	26.05	1499	0.164
1x	240	1.7	36,8	2750	0.0817

\*1Z2Z2Z5Z2-K