

Polish manufacturer of  
photovoltaic mountings

POWER CABLES  
FOR PHOTOVOLTAIC INSTALLATIONS



### FEATURES

Resistant to UV, ozone, weather conditions, according to  
EN 50618, IEC 62930

Improved resistance to hydrolysis and ammonia

Increased resistance to alkalis and acids

Flame retardant according to EN 60332-1,

PN-EN 60332-1, IEC 60332-1

Cables meet requirements of the standards PN-EN 61034-2,

PN-EN 60754-2

No aggressive smokes when burning

Min. bending radius for permanent connections:  $4 \times \varnothing$

Expected operation time: 25 years

CPR – Certificates/DoP

Reaction to fire: Dca class, classification according to

PN-EN 50575 (CPR)

Certificate No.: 1200020 (according to EN50618)

### APPLICATION

Used in photovoltaic installations for connections between individual photovoltaic panels and between the panels and an inverter. There is a possibility to use anti-rodent agent in cable insulation to prevent damages by rodents or termites.

- Point 23: Impact-Resistant Test
- Point 24: Crushing-Resistance Test



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Corab S.A. ul. Michała Kajki 4, 10-547 Olsztyn, REGON: 510519084, NIP: 7390207757  
wpisana do Krajowego Rejestru Sądowego prowadzonego przez Sąd Rejonowy  
w Olsztynie, VIII Wydział Gospodarczy Krajowego Rejestru Sądowego pod numerem  
KRS: 0000950779. Kapitał zakładowy: 1.184.000,00 zł w pełni wpłacony.

Corab S.A. ul. Michała Kajki 4, 10-547 Olsztyn, Poland, Tax Id No. PL7390207757,  
REGON: 510519084, entered into the Register of Entrepreneurs, dissolved by the  
District Court in Olsztyn, VIII Commercial Division under KRS number: 0000950779.  
Share capital: PLN 1.184.000,00 completely paid-up.

**Corab® Encor Solar Cable**  
**CORAB Y\_KABPV**

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**POWER CABLES FOR PHOTOVOLTAIC INSTALLATIONS**

**TABLE OF DIMENSIONS**

Rated cable conductor cross-section [mm <sup>2</sup> ]	Highest accessible wire diameter in a cable conductor [mm]	Nominal insulation wall thickness [mm]	Nominal sheath wall thickness [mm]	Max. external conductor diameter [mm]	Min. insulation resistance at 20°C [MΩ/km]
4.00	0.31	0.7	0.8	6.6	580
6.00	0.31	0.7	0.8	7.4	500

/Other diameters are accessible upon request/

**SPECIFICATIONS**

H1Z2Z2-K  
 -40°C ÷ 90°C

Rated voltage: 1.0/1.0 kV AC  
 Operational voltage: 1.5kV (1.8kV) DC according to EN 50618  
 U0/U 1000/1000 VAC  
 Insulation resistance: 1000 MΩ/km  
 Max. wire temperature when in normal operation: +90°C  
 Max. wire temperature when in operation under full load: +120°C/20000h  
 Max. ambient temp. for Permanently installed cables: -40°C  
 Min. temperature for cable laying: -25°C  
 Test voltage 50 Hz: 6500V

**STRUCTURE**

Conductor: soft copper wires, tin-plated class 5, according to PN-EN 60228  
 Insulation: halogen-free, cross-linked plastic  
 Sheath: halogen-free, cross-linked plastic  
 Insulation colour: white  
 Sheath colour: black, red or blue  
 Shield/reinforcement: optional, CuSn / FeZn wires

**PACKAGING:** rings, spools

**Index: Solar cable CORAB**  
**Y\_KABPV002 1x4 black (500m) DB H1Z2Z2K**  
**Y\_KABPV004 1x4 red (500m) H1Z2Z2K**  
**Y\_KABPV007 1x6 red (100m) H1Z2Z2K**  
**Y\_KABPV005 1x6 black (100m) H1Z2Z2K**  
**Y\_KABPV003 1x4 red (100m) DB H1Z2Z2K**  
**Y\_KABPV001 1x4 black (100m) DB H1Z2Z2K**  
**Y\_KABPV008 1x6 red (500m) H1Z2Z2K**  
**Y\_KABPV006 1x6 red (500m) H1Z2Z2K**



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