



K-SOLAR PV 20 ARMoured

Description : High mechanical protected flexible solar cable for photovoltaic installations 0,6/1KV, UV resistant.

Design:



Construction : Flexible tinned copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
Flame Retardant Cross-linked elastomer compound according to IMQ-CPT-065 and TÜV 2 Pfg 1169/08.2007.
Polyester tape
Steel wires braiding with coverage of 70%
Flame Retardant Cross-linked elastomer compound according IMQ-CPT-065 and TÜV 2 Pfg 1169/08.2007.

Manufacturing's Controls: Test and Control according to our certificated **ISO 9001-2015 CSQ-IMQ (EQ-NET)** Quality System procedure.

Labor tests reports are stored in our internal Q.C. laboratory archive together with the production reports

Norms :

In derogation to the standard IEC 20-91

In derogation to the standard TÜV 2 Pfg 1169/08.2007

Thermal endurance according with EN 60216-1 2

Self-extinguish according with IEC 332.1 2

Halogen Free according with CEI EN 50267-2-1

The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Max voltage : 600/1000 V
- Spark Test voltage : 6.500 V
- Max working ambient temperature: -40° to +90°C
- Max temperature on the conductor -40° to +120°C
- Minimum bending radius For permanent approx. 5 x Ø

Use :

This cable can be used for photo-voltaic systems. It's suitable as: For the cabling between the solar modules and as an extension cable between the individual module strings or DC/AC inverter. Gable and flat roof photovoltaic systems. Photovoltaic plants and solar parks. For the cabling of flexible or building- integrated photovoltaic systems. High mechanical protection and a defined degree of electrical shielding is provided by the oxidation-protected steel wire braiding