



K-SOLAR PV 20

Description : 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
Cross-linked elastomer compound type **G21** according to encl. A IMQ-CPT-065 and TÜV 2 Pfg 1169/08.2007.
Cross-linked polyolefin compound type **M21** according to encl. B 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 :

According to the low voltage directive BT 73/23 and CEE Directive (LVD) 2014/35/EU CE
According to the Norm IEC 20-91
In derogation with the standard IMQ CPT 065
According 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 :

- Rated voltage : AC U0/U0,6/1 kV
DC 1,8 kV (conductor-conductor, non-earthed system, circuit not under load).
- Spark Test voltage : 6.500 V
- Max working ambient temperature: -40° to +90°C
- Max temperature on the conductor +120°C
- Minimum bending radius For permanent approx. 5 x Ø

Use :

This cable can be used for photo-voltaic systems. It's guaranteed for 25 years use and 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 in flat roof photovoltaic systems, photovoltaic plants and solar parks.
In typical solar installations, the collection cables may be direct-buried, or may lie on the ground exposed to direct sunlight and weather. K-SOLAR PV 20 TÜV cables are sunlight-resistant, and are suitable for direct burial.