



## K-SOLAR FG7M1

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 **G7** according to CEI 20-11  
Halogen Free polyolefin outer sheath compound type **TM7-M1** according to CEI 20-11

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 : Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)  
Reduced Fire Propagation, Fire retardant as IEC 60332-3-22 - CEI 20-22 II and NBN C30-004, cat. F2

Halogen-free according to IEC 60754-1 (amount of halogen acid gas)  
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

Low smoke density according to IEC 61034

UV and weather-resistant according to ISO 4892-2

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

Technical dates :

- Max voltage : 600/1000 V
- Spark Test voltage : 6000 V
- Working temperature: -40° +90°C
- Max overloaded temperature: + 100°C
- Max short-circuit temperature + 200°C
- Minimum bending radius: For permanent approx. 5 x Ø

Use : This cable can be used for photo-voltaic systems. The cable is UV radiation resistant and can be used to connect individual solar cells. This cable can be used outdoor but not directly buried in the ground or laid in water.