Concordia Cables
Suppliers of Quality Assured Cables



# Solar Cable – TUV Approved

**Product Type:**
Solar Cable

**Application:**
This cable is suitable for inter-connections within photovoltaic systems such as solar panel arrays. They are manufactured in accordance with various British and International Standards and are designed to withstand severe environmental conditions.

**Standards:**
EN50618:2014
REACH and RoHS compliant

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|---|---|---|
| **DESCRIPTION** | H1Z2Z2-K 1x6mm² Solar Cable | |
| **P/N** | 6012241ABLK, 6012241ABLK50M, 6012244ARED, 6012244ARED50M | |
| **CONDUCTOR** | Material: | Tinned plated copper |
| | Construction: | 84/0.285±0.015 |
| | Dia.: | 3.0mm |
| **INSULATION** | Material: | XLPO |
| | Overall Diameter: | 4.5±0.1mm |
| | Average Thickness: | ≥0.7mm |
| | Min. Thickness | ≥0.53mm |
| | Colour: | Black, Red/Black |
| **JACKET** | Material: | XLPO |
| | Overall Diameter: | 6.3±0.2mm |
| | Average Thickness: | ≥0.8mm |
| | Min. Thickness | ≥0.58mm |
| | Colour: | Black, Red |
| **ELECTRIC PROPERTIES** | Rated Voltage: | AC1.0/1.0KV, DC1.5KV |
| | Rated Temperature: | -40℃ - 90℃ |
| | Conductor Resistance @20℃ | ≤3.39Ω/km |
| | Insulation Resistance @20℃ | ≥500MΩ.km |
| | Voltage Withstand Test: | AC: 6.5KV, DC: 15KV, 5min |
| | Spark Electro Mechanical Voltage: | 7KV |
| | Short-Circuit Temperature: | ≤200℃/5s |
| **INSULATION** | Min Tensile Strength: | ≥8.0 N/mm² |
| | Min. Elongation at Break | ≥125% |
| | Flame Test: | EN60332-1-2 |
| **LIFETIME** | 25 years | |
| **PACKAGING** | 50M/reel, 100M/reel | |

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