

# CABLING

## SOLAR-TECH (H1Z2Z-K)

FLEXIBLE SINGLE CORE, PHOTOVOLTAIC SYSTEMS, HALOGEN FREE



### Technical Data

Single core flexible cable for photovoltaic or solar systems in accordance with EN 50618; IEC 60228; EN 50395; EN50396; EN 60332-1-2; EN 61034-1: -2; EN 50525-1; EN 60216-1: -2

#### Temperatures

Operating: -40°C to 90°C

Max core: 120°C (for 20,000hrs)

#### Voltage Rating

U0/U AC: 1.0/1.0kV

U0/U DC: 1.5/1.5kV

#### Test Voltage

6.5kV AC

#### Min. Bending Radius

14 x OD

#### Tensile Strength

15N/mm<sup>2</sup>

### Application

Solar cable is suitable for the interconnection of various components in photovoltaic systems such as between photovoltaic (PV) panels and from panels to the inverter. Suitable for fixed outdoor installations in conduits, or similar closed systems.

The cable is manufactured to the latest requirements for PV systems, in accordance to the following Reference standards: EN50618 – EN60216-1-2 – EN 610345. The special insulation provides qualities such as high abrasion resistance and a high temperature rating. Moreover, the insulation is flame retardant, ozone and UV-resistant (Protection class II).

### Construction

Annealed tinned copper conductors (Class 5)

Double insulated

Bedding of flexible cross-linked polymer

Outer sheath of special halogen free compound

Outer sheath colour Black / Red

### Properties & Identification

Ozone and UV Resistant

TÜV and VDE approved

Estimated service lifespan of 25 years or more

### Additional

Cable Print: H1Z2Z2-K (size) 1.0/1.0kV TÜV RHEINLAND TYPE APPROVED R601 (reg. no.) CE