

# TECHNICAL DATASHEET

## H1Z2Z2-K

### Application

Especially designed to connect solar panels for permanent junction boxes and inverters. Good abrasion and ozone resistant flame-retardant properties. Halogen-free, oil-resistant, reduced diameter, and outstanding flexibility.



### Technical Data

|  | <b>1x4</b>                          | <b>1x6</b>                          | <b>1x10</b>                         |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| Nominal cross section (mm <sup>2</sup> ) |                                     |                                     |                                     |
| Rated voltage U <sub>0</sub> /U V        | 1,0/1,0 kV                          | 1,0/1,0 kV                          | 1,0/1,0 kV                          |
| Applicable Standard                      | EN 50618                            | EN 50618                            | EN 50618                            |
| Applicable Standard for Conductor        | EN 60228                            | EN 60228                            | EN 60228                            |
| Material of conductor                    | Class 5 fine stranded tinned copper | Class 5 fine stranded tinned copper | Class 5 fine stranded tinned copper |
| Material of insulation                   | Halogen free cross-linked comound   | Halogen free cross-linked comound   | Halogen free cross-linked comound   |
| Thickness of insulation (mm)             | 0,7                                 | 0,7                                 | 0,7                                 |
| Identification of core                   | White                               | White                               | White                               |
| Material of outer sheath                 | Halogen free cross-linked comound   | Halogen free cross-linked comound   | Halogen free cross-linked comound   |
| Average thickness of outer sheath (mm)   | 0,8                                 | 0,8                                 | 0,8                                 |
| Overall cable diameter (mm) approx       | 5,5                                 | 6,1                                 | 7,1                                 |
| Colour of outer sheath                   | Red or Black                        | Red or Black                        | Red or Black                        |
| min. operating temperature °C            | -40°C                               | -40°C                               | -40°C                               |
| max. operating temperature °C            | 120°C                               | 120°C                               | 120°C                               |
| Conductor DC resistance at 20°C Ω / km   | 5,09                                | 3,39                                | 1,95                                |