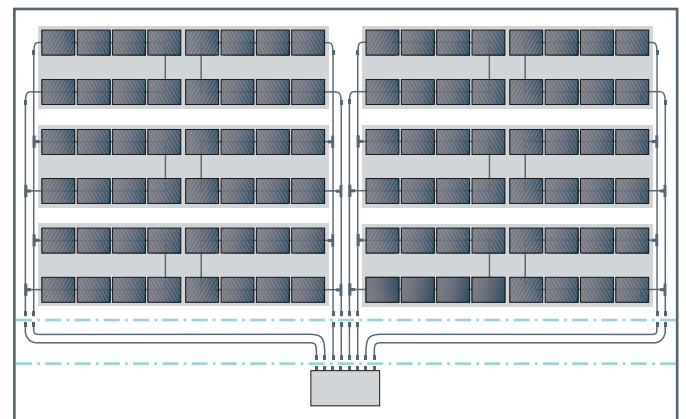

LC4-AT

LC4® photovoltaic array harness, type T, with overmolded connector branches, with overmolded connectors and bend protection, total length, number of branches and distance between branches (plugs or sockets) and cable end options **according to customer's specification**

- 1. Temperature range**
 - 40 °C/+85 °C (IEC)
 - 40 °C/+90 °C (UL)
 - (+125 °C upper limit temperature)
- 2. Materials**
 - halogen-free, UV-resistant
 - Insulating body: m-PC, V1 according to UL 94
 - Contact Sheet: CuNiSi, tinned
 - Further data: see LC4-AM
- 3. Mechanical data**
 - Mating with: photovoltaic connectors LC4
 - Protection degree¹: IP 68
 - Further data: see LC4-AM
 - Connected conductor**
 - Photovoltaic cable, double-insulated, technical data on request
 - Section alternatively: 4.0 mm² (AWG 12) or 6.0 mm² (AWG 10)
- 4. Electrical data (at T_{amb} 20 °C)**
 - Contact resistance²: ≤ 1 mΩ
 - Rated current (IEC)²: 30 A DC at T_{amb} 85 °C
 - Rated current (UL)²: 35 A DC
 - Rated voltage³: 1000 V DC (IEC)/600 V DC (UL)
 - Overvoltage category³: III (8 kV)
 - Material group³: IIIa (IEC)/3 (UL) (CTI ≥ 225)
 - Creepage distance/clearance between contact and touchable surfaces: 22.4 mm
 - Insulation resistance: > 10 GΩ

¹ only in mated condition with a proper counterpart
² IP X8 requirements under agreement between manufacturer and user measured with a proper counterpart
³ according to DIN EN 60664/IEC 60664 resp. according to ANSI/UL 746A

Approvals under preparation



Photovoltaic array harnesses: wiring diagram Typ T
 Interconnection of module tables with complete, overmolded harnesses – pre-assembled at the customer's specification

- *a socket LC4-AM 01 (example)
- *b plug LC4-AM 00 IT (example)
- *c configuration examples
- *d T-branch

Designation

LC4-AT ...

details upon request