

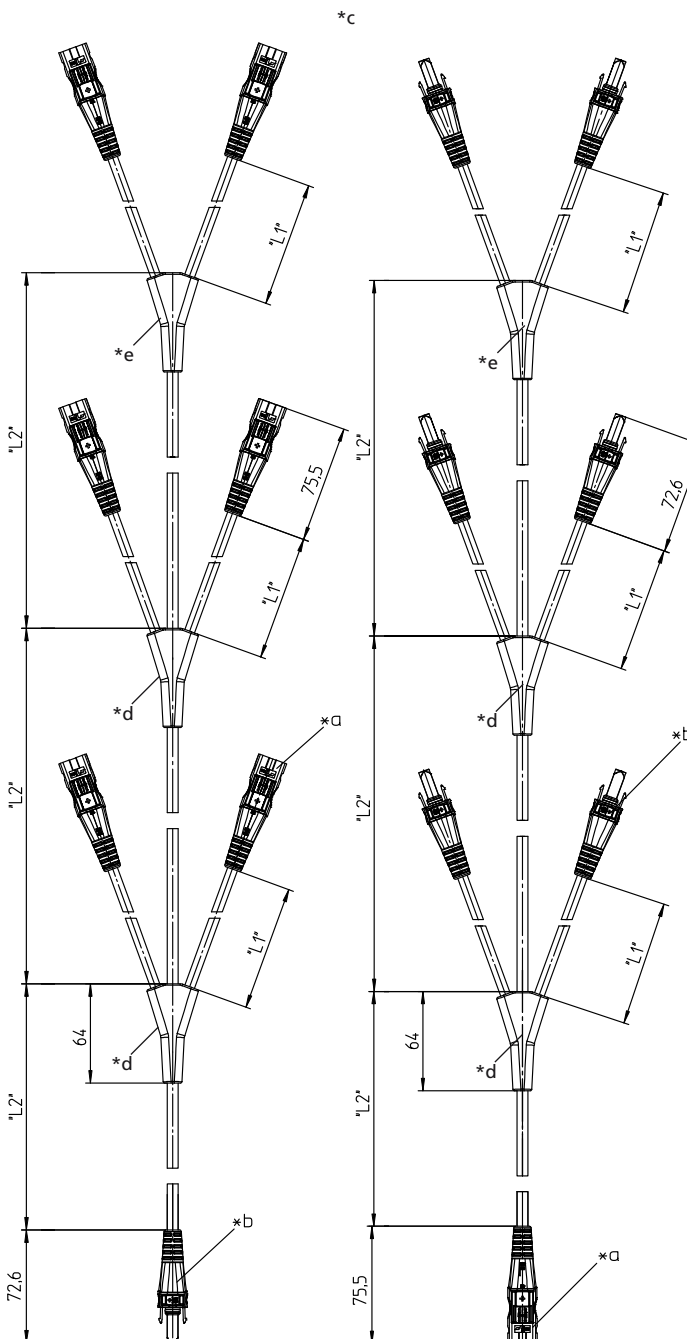


### LC4-AX

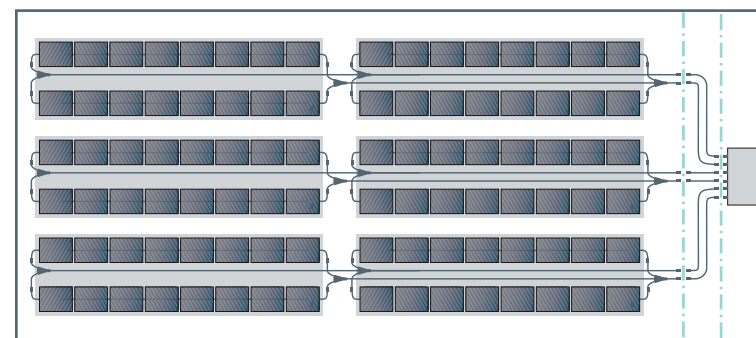
LC4® photovoltaic array harness, type X, with overmolded cable branches, with overmolded connectors with integrated locking and bend protection, total length, number of branches and distance between branches (plugs or sockets) **according to customer's specification**

- |   |  |
|---|--|
| <b>1. Temperature range</b>                                     | -40 °C/+85 °C<br>(+110 °C upper limit temperature) |
| <b>2. Materials</b>   | halogen-free, UV-resistant                         |
| Insulating body   | m-PPE, V0 according to UL 94                       |
| Further data  | see LC4-AM   |
| <b>3. Mechanical data</b>                                       |  |
| Mating with   | photovoltaic connectors LC4                        |
| Protection degree <sup>1</sup>                                  | IP 68  |
| Further data  | see LC4-AM   |
| <b>Connected conductor</b>                                      |  |
| Photovoltaic cable, double-insulated, technical data on request |  |
| Section main cable  | 6.0 mm <sup>2</sup> (AWG 10)                       |
| Section branch cable  | 4.0 mm <sup>2</sup> (AWG 12)                       |
| <b>4. Electrical data (at T<sub>amb</sub> 20 °C)</b>            |  |
| Contact resistance <sup>2</sup>                                 | ≤ 5 mΩ   |
| Rated current <sup>3</sup>                                      | 35 A at T <sub>amb</sub> 85 °C                     |
| Rated voltage <sup>4</sup>                                      | 1000 V DC  |
| Overvoltage category <sup>4</sup>                               | III (8 kV)   |
| Material group <sup>4</sup>                                     | I (IEC)/0 (UL) (CTI ≥ 600)                         |
| Creepage distance   | ≥ 28.2 mm  |
| Clearance   | ≥ 28.2 mm  |
| Insulation resistance   | > 10 GΩ  |

<sup>1</sup> only in mated condition with a proper counterpart  
IP X8 requirements under agreement between manufacturer and user  
<sup>2</sup> measured with a proper counterpart, only connectors without cable  
maximum current value for the whole component  
<sup>4</sup> according to DIN EN 60664/IEC 60664 resp. according to ANSI/UL 746A



additional approvals under preparation



**Photovoltaic array harnesses: wiring diagram Typ X**  
Interconnection of module tables with complete, overmolded harnesses – pre-assembled at the customer's specification

- \*a plug LC4-AM 00
- \*b socket LC4-AM 01
- \*c configuration examples
- \*d X-branch
- \*e Y-branch

### Designation

LC4-AX ...

details upon request