

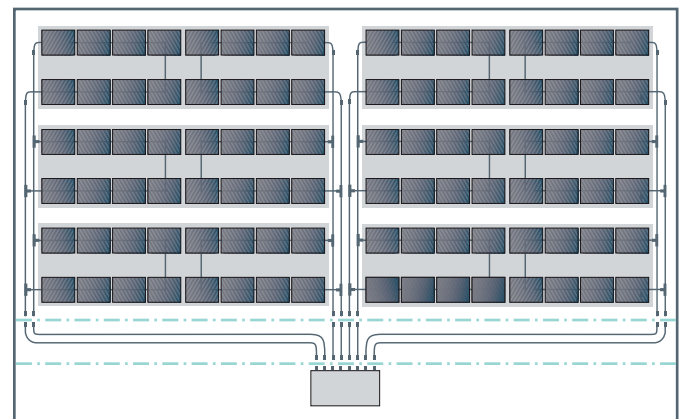
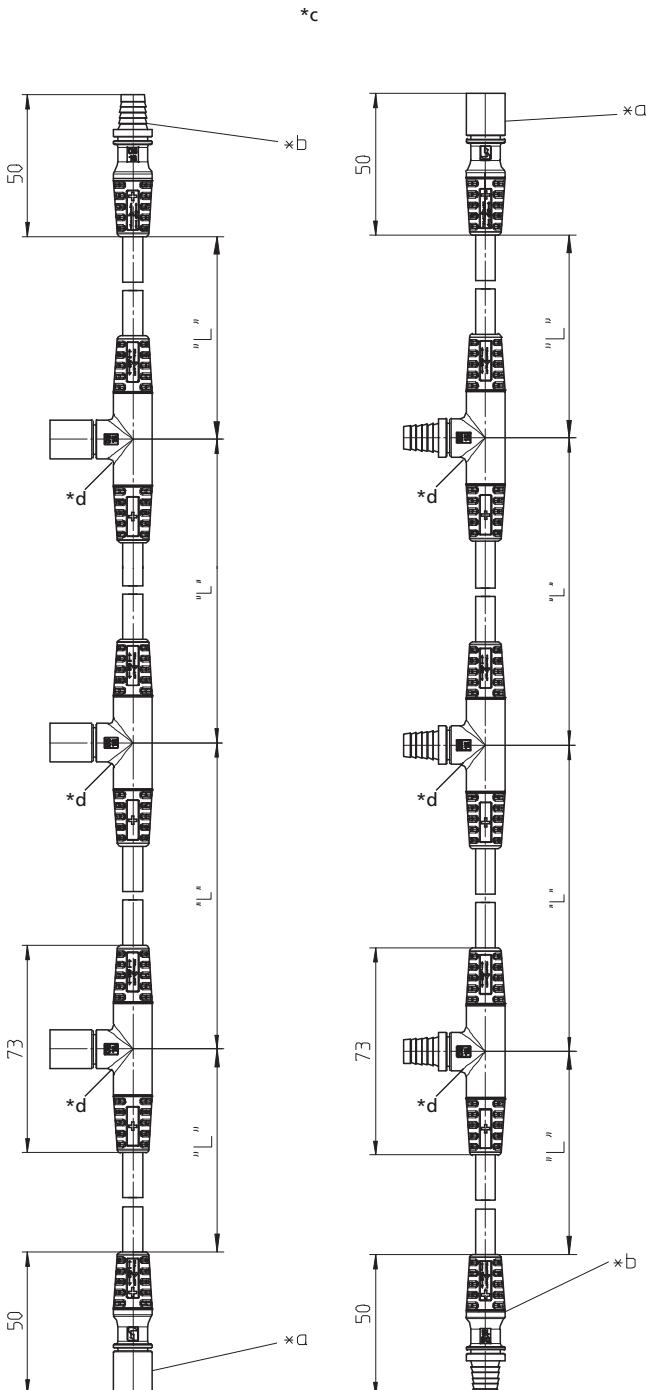


LC3-AT

LC3® photovoltaic array harness, type T, with overmolded connector branches with 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
(+110 °C upper limit temperature)
2. **Materials** halogen-free, UV-resistant
Insulating body TPU, V0 according to UL 94
Contact Sheet CuSn, tinned
Further data see LC3-AM
3. **Mechanical data**
Mating with photovoltaic connectors LC3
Protection degree¹ IP 68
Further data see LC3-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 ≤ 5 mΩ
Rated current (IEC)² 30 A at T_{amb} 85 °C
Rated current (UL)² 35 A
Rated voltage³ 1000 V DC (IEC)/600 V DC (UL)
Overvoltage category³ III (8 kV)
Material group³ I (IEC)/0 (UL) (CTI ≥ 600)
Creepage distance ≥ 12.5 mm
Clearance ≥ 12.5 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



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

- *a plug LC3-AM 00 (example)
- *b socket LC3-AM 01 (example)
- *c configuration examples
- *d T-branch

Designation

LC3-AT ...

details upon request