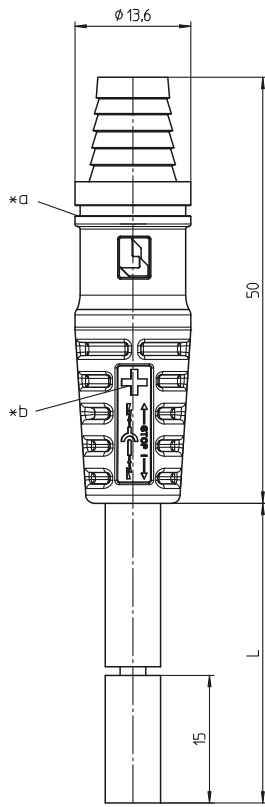
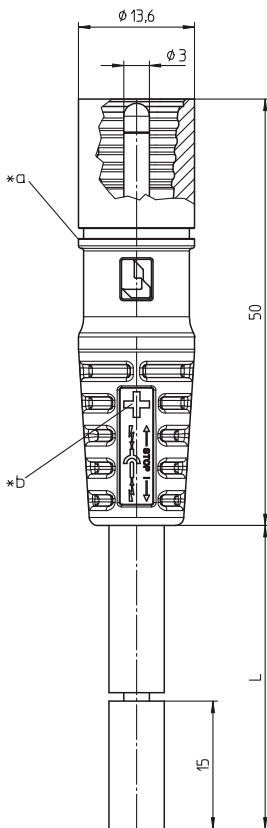




LC3-AM 00

LC3-AM 01



*a recess for optional unmating preventer LC3-CX 90 according to NEC 2008 NFPA 70

*b marking + on LC3-AM ...-1
marking - on LC3-AM ...-2

Designation

LC3-AM ...

details upon request

LC3-AM 00
LC3-AM 01
LC3-AM 6...

LC3® photovoltaic connecting cables, with overmolded connectors, with bend protection

LC3-AM 00: with plug and open end

LC3-AM 01: with socket and open end

LC3-AM 60: with two plugs

LC3-AM 61: with two sockets

LC3-AM 62: with plug and socket

LC3-AM 650: with LC3 plug and LC4 plug⁵

LC3-AM 651: with LC3 socket and LC4 socket⁵

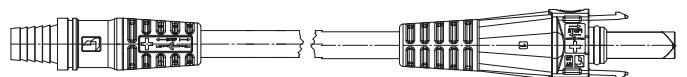
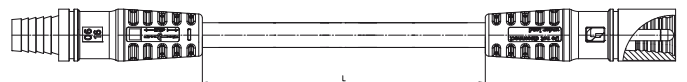
LC3-AM 652: with LC3 plug and LC4 socket⁵

LC3-AM 655: with LC3 socket and LC4 plug⁵

- Temperature range** -40 °C/+85 °C
(+110 °C upper limit temperature)
 - Materials** halogen-free, UV-resistant
Insulating body TPU, V0 according to UL 94
Contact pin/bush CuZn, pre-nickeled and tinned
Contact protection (plugs only) PA, V0 according to UL 94
Sleeve (sockets only) CuZn, nicked
 - Mechanical data**
Insertion force¹ ≤ 89 N
Withdrawal force¹ ≥ 89 N
Mating cycles¹ 50
Mating with photovoltaik connectors LC3
Protection degree² IP 68
Connected conductor
Photovoltaic cable, double-insulated, technical Data upon request
Section alternatively 2.5 mm² (AWG 14)
4.0 mm² (AWG 12)
6.0 mm² (AWG 10)
 - Electrical data (at T_{amb} 20 °C)**
Contact resistance^{1,3} ≤ 5 mΩ
Rated current¹ 22 A at T_{amb} 85 °C, 2.5 mm² (AWG 14)
35 A at T_{amb} 85 °C, 4.0 mm² (AWG 12)
40 A at T_{amb} 85 °C, 6.0 mm² (AWG 10)
Rated voltage⁴ 1000 V DC
Overvoltage category⁴ III (8 kV)
Material group⁴ I (IEC)/0 (UL) (CTI ≥ 600)
Creepage distance ≥ 12.5 mm
Clearance ≥ 12.5 mm
Insulation resistance > 10 GΩ
- ¹ measured with a proper counterpart
² only in mated condition with a proper counterpart
³ IP X8 requirements under agreement between manufacturer and user
⁴ only connectors without cable
⁵ according to DIN EN 60664/IEC 60664 resp. according to ANSI/UL 746A adapter cables LC3 to LC4, for technical data of LC4 connectors see LC4-AM



LC3-AM 62



LC3-AM 651