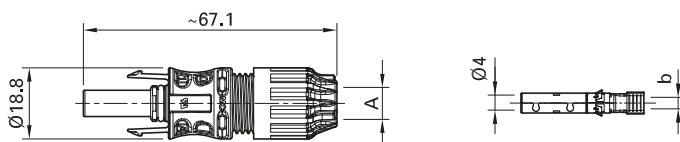


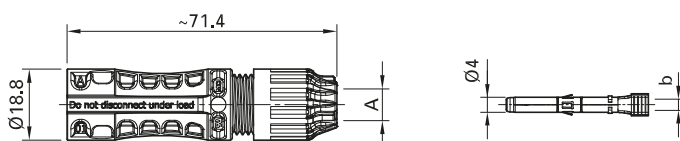
# Female and male cable coupler MC4-Evo2

Female and male cable coupler as individual part (including insulating part)

PV-KBT4-EVO 2/...-UR



PV-KST4-EVO 2/...-UR



| Order No.       | Type                   | Female cable coupler | Male cable coupler | Ø range of cable gland |                 | Conductor cross section |        | Approvals    |  |
|-----------------|------------------------|----------------------|--------------------|------------------------|-----------------|-------------------------|--------|--------------|--|
|                 |                        |                      |                    | A (mm)                 | mm <sup>2</sup> | AWG                     | b (mm) |              |  |
| 32.0082P0001-UR | PV-KBT4-EVO 2/2,5I-UR  | x                    |                    | 4.7-6.4                | 2.5             | 14                      | 3      | <br><br><br> |  |
| 32.0083P0001-UR | PV-KST4-EVO 2/2,5I-UR  |                      | x                  |                        |                 |                         |        |              |  |
| 32.0084P0001-UR | PV-KBT4-EVO 2/2,5II-UR | x                    |                    | 6.4-8.4                | 4; 6            | 12; 10                  | 5      |              |  |
| 32.0085P0001-UR | PV-KST4-EVO 2/2,5II-UR |                      | x                  |                        |                 |                         |        |              |  |
| 32.0086P0001-UR | PV-KBT4-EVO 2/6I-UR    | x                    |                    | 4.7-6.4                | 4; 6            | 12; 10                  | 5      |              |  |
| 32.0087P0001-UR | PV-KST4-EVO 2/6I-UR    |                      | x                  |                        |                 |                         |        |              |  |
| 32.0088P0001-UR | PV-KBT4-EVO 2/6II-UR   | x                    |                    | 6.4-8.4                | 10              | 8                       | 7.2    |              |  |
| 32.0089P0001-UR | PV-KST4-EVO 2/6II-UR   |                      | x                  |                        |                 |                         |        |              |  |
| 32.0092P0001-UR | PV-KBT4-EVO 2/10II-UR  | x                    |                    |                        |                 |                         |        |              |  |
| 32.0093P0001-UR | PV-KST4-EVO 2/10II-UR  |                      | x                  |                        |                 |                         |        |              |  |

**Note:**

For more detailed information concerning the suitable cable gland range, please consult MA273.



Sealing caps page 53

Assembly tools page 58



Assembly Instructions MA273

[www.staubli.com/electrical](http://www.staubli.com/electrical)

- Internationally certified with IEC, UL, JET, cTÜVus.
- Approved for 1500 V DC (IEC, JET), 1500 V DC (UL) unrestricted access
- MULTILAM Technology, has proven the quality and durability several 100 million times since 2004
- Suited for all climatic environments thanks to resistance to UV, ammonia, and high IP class (IP68).
- Available as a field and preassembled connector, standard crimping tools can be used.
- Mating compatibility with MC4 connector family

| Technical data   |  |
|--|--|
| Connector system   | Ø 4 mm   |
| Rated voltage  | 1500 V DC (TÜV) <sup>1)</sup><br>1500 V DC (UL) <sup>2)</sup><br>1500 V DC (JET) <sup>3)</sup>   |
| Rated current TÜV (85°C)                                 | 39 A (2,5 mm <sup>2</sup> / 14 AWG)<br>45 A (4,0 mm <sup>2</sup> / 12 AWG)<br>53 A (6,0 mm <sup>2</sup> / 10 AWG)<br>69 A (10,0 mm <sup>2</sup> / 8 AWG) |
| Rated impulse voltage                                    | 16 kV (1500 V)   |
| Ambient temperature range                                | -40°C ... +85°C (TÜV/UL)   |
| Upper limiting temperature                               | 115°C (TÜV)  |
| Degree of protection, mated<br>unmated                   | IP65/IP68 (1h/1m)<br>IP2X  |
| Overvoltage category/Pollution degree                    | CAT III/3  |
| Contact resistance of plug connectors                    | ≤ 0.2 mΩ   |
| Safety class   | II   |
| Contact system   | MULTILAM   |
| Type of termination                                      | Crimping   |
| Contact material   | Copper, tin plated   |
| Insulation material                                      | PA   |
| Locking system (UL)                                      | Locking type   |
| Flame class  | UL94-V0  |
| Ammonia resistance (acc. to TÜV)                         | Q60095359  |
| Salt mist spray test, degree of severity 6               | IEC 60068-2-52   |
| TÜV-Rheinland certified,<br>in accordance with IEC 62852 | R60127169  |
| UL recognized component,<br>in accordance with UL 6703   | E343181  |
| cTÜVus certified according UL 6703                       | CU 72141256 01   |
| JET certified according IEC 61730-1:2004                 | B13T0062   |

<sup>1)</sup> Please take the cable to be used from MA273

<sup>2)</sup> The connectors are to be used with USE2 or PV-Wire cables.

<sup>3)</sup> The connectors are to be used with cables with the "S-JET mark" label.