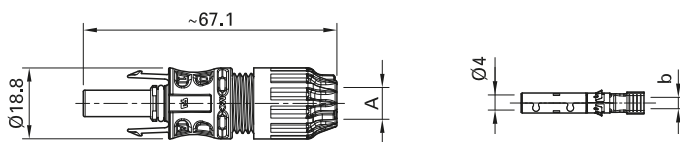


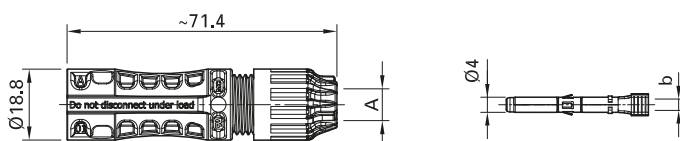
# Female and male cable coupler MC4-Evo 2

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)	b (mm)	mm <sup>2</sup>	AWG	
32.0082P0001-UR	PV-KBT4-EVO 2/2,5I-UR	x		4.7-6.4	3	2.5	14	  
32.0083P0001-UR	PV-KST4-EVO 2/2,5I-UR		x	4.7-6.4				
32.0084P0001-UR	PV-KBT4-EVO 2/2,5II-UR	x		6.4-8.4	5	4; 6	12; 10	
32.0085P0001-UR	PV-KST4-EVO 2/2,5II-UR		x	6.4-8.4				
32.0086P0001-UR	PV-KBT4-EVO 2/6I-UR	x		4.7-6.4	7.2	10	8	
32.0087P0001-UR	PV-KST4-EVO 2/6I-UR		x	4.7-6.4				
32.0088P0001-UR	PV-KBT4-EVO 2/6II-UR	x		6.4-8.4	7.2	10	8	
32.0089P0001-UR	PV-KST4-EVO 2/6II-UR		x	6.4-8.4				
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 43

Assembly tools page 48



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> 1500 V DC (UL) <sup>2)</sup> 1500 V DC (JET) <sup>3)</sup>
Rated current TÜV (85°C)	39 A (2,5 mm <sup>2</sup> /14 AWG) 45 A (4,0 mm <sup>2</sup> /12 AWG) 53 A (6,0 mm <sup>2</sup> /10 AWG) 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 unmated	IP65/IP68 (1h/1m) 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, in accordance with IEC 62852	R60127169
UL recognized component, 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.