

# MC4 DC 1500 V Adapter leads and test connectors

Renewable Energy | Solar Photovoltaics

EN



# Adapter test leads MC4



Adapter test lead PV-1500AMLXB4L/150... (with locking MC4)



Adapter test lead PV-1500AMLXS4L/150... (with locking MC4)



Adapter test lead PV-1500AMLXB4/150... (with non-locking MC4)



Adapter test lead PV-1500AMLXS4/150... (with non-locking MC4)

- One end equipped with Stäubli MC4 PV connector, the other end with Ø 4 mm Stäubli safety plug for measuring instruments with Ø 4 mm safety sockets ensuring safe current and voltage measuring on PV-modules and systems.
- The test leads are certified to harmonized standard UL/IEC 61010-031, and rated at 30 A and DC 1500 V.
- Available with or without locking features.
- Gold plating of the contacts allows for precise measurements and high mating cycles.

## Technical data

Technical data	
Connector system	MC4
Rated voltage	DC 1500 V
Rated current	30 A
Category	CAT III
Degree of pollution	2
Lead cross section	2.5 mm <sup>2</sup>
Lead length	150 cm
Contact material	Copper, gold plated
Maximum number of mating cycles	1000
UL certified to harmonized standard UL/IEC 61010-031 with UL file number:	E533779

## Ordering information

Order No.	Type	Socket	Plug	Connector system	Locking type	Colour
32.0476-15021	PV-1500AMLXB4L/15021	×		MC4	×	21
32.0476-15023	PV-1500AMLXB4L/15023	×		MC4	×	23
32.0477-15021	PV-1500AMLXS4L/15021		×	MC4	×	21
32.0477-15022	PV-1500AMLXS4L/15022		×	MC4	×	22
32.0480-15021	PV-1500AMLXB4/15021	×		MC4		21
32.0480-15023	PV-1500AMLXB4/15023	×		MC4		23
32.0481-15021	PV-1500AMLXS4/15021		×	MC4		21
32.0481-15022	PV-1500AMLXS4/15022		×	MC4		22

### Note:

Other cable lengths and colors are available upon request.

## Further information



### Assembly instructions

For assembly instructions for "Adapter test leads MC4" please consult:  
[www.staubli.com/re-downloads.html](http://www.staubli.com/re-downloads.html) → English → Assembly info → **MA712**

# Test socket and plug MC4



Test socket PV-KBT4/...-PL-UR AU



Test socket PV-KBT4/...-P-UR AU



Test plug PV-KST4/...-PL-UR AU



Test plug PV-KST4/...-P-UR AU

- Special construction with gold plated contacts for test and measurement to achieve higher mating cycles.
- The test plugs are compliant with UL/IEC 61010-031 and available with or without locking features.
- Suitable for connection of wire sizes 14 AWG to 8 AWG.

## Technical data

Technical data	
Connector system	MC4
Rated voltage	DC 1500 V
Rated current	30 A (2.5 mm <sup>2</sup> , 14 AWG) <sup>1)</sup> 35 A (4 mm <sup>2</sup> , 12 AWG) <sup>1)</sup> 50 A (10 AWG) <sup>1)</sup> 70 A (8 AWG) <sup>1)</sup>
Contact material	Copper, gold plated
Maximum number of mating cycles	1000
Insulation material	PC/PA
UL recognized component certified to harmonized standard UL/IEC 61010-031 with UL file number	E533779

<sup>1)</sup> Recognized component. The amperage rating needs to be verified in the user configuration/application.

## Ordering information

Female test plug		Male test plug		Max. outer diameter of cable <sup>1)</sup> mm	Conductor cross section		Locking type
Order No.	Type	Order No.	Type		mm <sup>2</sup>	AWG	
<b>32.0458-UR</b>	PV-KBT4/5I-PL-UR AU	<b>32.0459-UR</b>	PV-KST4/5I-PL-UR AU	6.2	2.5; 4	14; 12; 10	×
<b>32.0460-UR</b>	PV-KBT4/5X-PL-UR AU	<b>32.0461-UR</b>	PV-KST4/5X-PL-UR AU	7.0	2.5; 4	14; 12; 10	×
<b>32.0462-UR</b>	PV-KBT4/5II-PL-UR AU	<b>32.0463-UR</b>	PV-KST4/5II-PL-UR AU	8.8	2.5; 4	14; 12; 10	×
<b>32.0464-UR</b>	PV-KBT4/8I-PL-UR AU	<b>32.0465-UR</b>	PV-KST4/8I-PL-UR AU	6.2		8	×
<b>32.0466-UR</b>	PV-KBT4/8X-PL-UR AU	<b>32.0467-UR</b>	PV-KST4/8X-PL-UR AU	7.0		8	×
<b>32.0468-UR</b>	PV-KBT4/8II-PL-UR AU	<b>32.0469-UR</b>	PV-KST4/8II-PL-UR AU	8.8		8	×
<b>32.0440-UR</b>	PV-KBT4/5I-P-UR AU	<b>32.0441-UR</b>	PV-KST4/5I-P-UR AU	6.2	2.5; 4	14; 12; 10	
<b>32.0442-UR</b>	PV-KBT4/5X-P-UR AU	<b>32.0443-UR</b>	PV-KST4/5X-P-UR AU	7.0	2.5; 4	14; 12; 10	
<b>32.0444-UR</b>	PV-KBT4/5II-P-UR AU	<b>32.0445-UR</b>	PV-KST4/5II-P-UR AU	8.8	2.5; 4	14; 12; 10	
<b>32.0446-UR</b>	PV-KBT4/8I-P-UR AU	<b>32.0447-UR</b>	PV-KST4/8I-P-UR AU	6.2		8	
<b>32.0448-UR</b>	PV-KBT4/8X-P-UR AU	<b>32.0449-UR</b>	PV-KST4/8X-P-UR AU	7.0		8	
<b>32.0450-UR</b>	PV-KBT4/8II-P-UR AU	<b>32.0451-UR</b>	PV-KST4/8II-P-UR AU	8.8		8	

<sup>1)</sup> The suitability of the cable needs to be verified by the user.

## Further information



### Tools and accessories

For related Stäubli tools and accessories please consult:

[www.staubli.com/re-downloads.html](http://www.staubli.com/re-downloads.html) → English → Catalog → **Tools and accessories**



### Assembly instructions

For assembly instructions for “Test socket and plug MC4” please consult:

[www.staubli.com/re-downloads.html](http://www.staubli.com/re-downloads.html) → English → Assembly info → **MA717**





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

