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Box Instruction Manual

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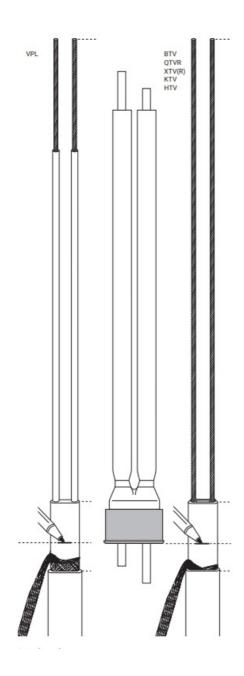
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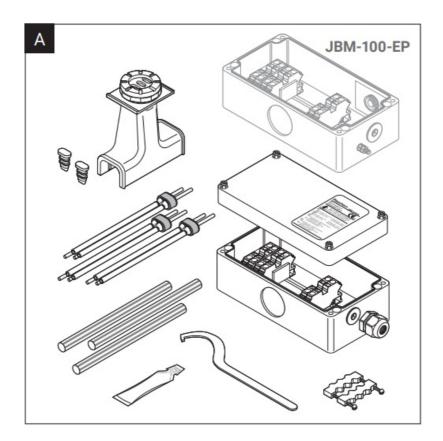
chemelex JBM-100 Series Multiple Entry Power Connection with Junction Box



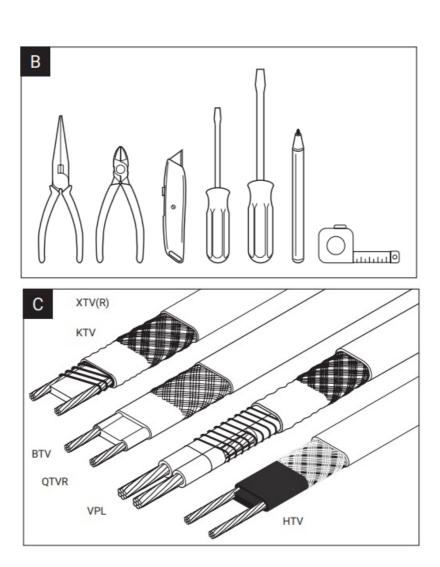
Multiple entry power connection with junction box



What's in the box



Tools



PTB 20 ATEX 1008 U BAS21UKEX0657U	 II 2 G Ex eb mb IIC Gb II 2 D Ex tb mb IIIC Db 	
IECEx PTB 20.0014U	Ex eb mb IIC Gb Ex tb mb IIIC Db	
	JBM-100-E(P):	
EHL Ex	TC RU C-BE.MЮ62.B.00054/18 Ex e IIC Gb U Ex tb IIIC Db U Ex e mb IIC Gb U Ex tb mb IIIC Ta -55°C+56°C IP66 000 "ТехИмпорт"	
	JBM-100-L-E(P):	
	TC RU C-BE.MЮ62.B.00054/18 Ex e IIC Gb U Ex tb IIIC Db U Ex e mb IIC Gb U Ex tb mb IIIC Ta -55°C+40°C IP66 000 "ТехИмпорт"	
Cece	Non lighted versions (1)	Lighted versions (2):
(\mathbf{w})	Ex eb IIC Gb Ex tb IIIC Db	Ex eb mb IIC Gb Ex tb mb IIIC Db
Segurança EX INMETRO	Ex eb IIC T* Gb Ex eb mb IIC T* Gb	
Ex N		
OCP 0064 INMETRO	Ex eb mb IIC T* Gb Ex eb mb IIC Gb	Lighted versions (2):

For system Temperature Code, see heating cable or design documentation

Specific conditions for use may apply for ATEX/UKEX and IECEx.

Warning: To prevent electrical shock, short circuit or arcing, this product must be installed correctly and water ingress must be avoided before and during the installation. Warning: The purchaser should make the manufacturer aware of any external effects or aggressive substances that the equipment may be exposed to.

Before installing this product, read the installation instructions completely.

Caution: Prolonged or repeated contact with the sealant in the core sealer may cause skin irritation. Wash hands thoroughly. Overheating or burning the sealant will produce fumes that may cause polymer fume fever. Avoid the contamination of cigarettes or

tobacco. Consult MSDS VEN 0033 for further information.

• Rated voltage

∘ Raychem JBM-100-E(P): 480 Vac**

∘ JBM-100-L-E(P): 277 Vac

• Ambient temperature

- ∘ JBM-100-E(P): -55°C to +56°C**
- JBM-100-L-E(P): -40°C to +40°C, except for VPL: in that case ambient temperature can be up to +56°C.
- Ingress protection IP66

Maximum pipe temperature

Heater type	Tmax continuous	Tmax intermittent 1000 h cumulative		Tmax power of
BTV	65°C	85°C		_
QTVR	110°C	110°C		_
XTV	121°C	250°C		_
XTVR	150°C	250°C (2000 h	۱)	_
KTV	150°C	250°C		_
HTV	205°C	260°C (2000 h)		_
VPL	See tables below –		260°C	

VPL: Maximum pipe temperature in dependence of heat type and voltage		VPL: Maximum pipe tem perature in dependence					
H ea te r Ty pe	230 Vac	2 5 4 V a c	277 Vac		≤ 150°C	≤ 1 8 0 ° C	≤ 2 3 0 ° C
5 V PL 2- C	230°C	2 2 5 °	225°C		30 A	2 5 A	2 0 A
10 V PL 2- C	210°C	2 0 0 °	195°C		30 A	2 5 A	2 0 A
15 V PL 2- C	180°C	1 4 5 °	105°C		30 A	2 5 A	_

20 V PL 2- C T	150°C	Not allowed		30 A	_	_
H ea te r Ty pe	385 Vac	4 0 0 V a c	480 Vac	≤ 150°C	≤ 1 8 0 ° C	≤ 2 3 0 ° C
5 V PL 4- C	230°C	2 3 0 °	230°C	30 A	2 5 A	2 0 A
10 V PL 4- C	215°C	2 1 5 °	205°C	30 A	2 5 A	2 0 A
15 V PL 4- C	195°C	1 9 5 °	160°C	30 A	2 5 A	_

20 V PL 4- C	150°C	1 5 0 °	150°C		30 A	_	_	
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Specific conditions for use using ATEX/UKEX or IECEx approvals:

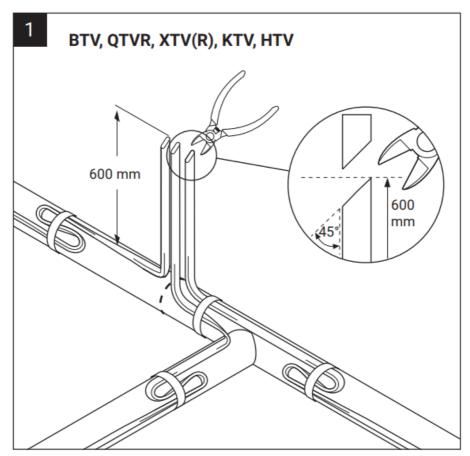
For ambient temperatures >+40°C:

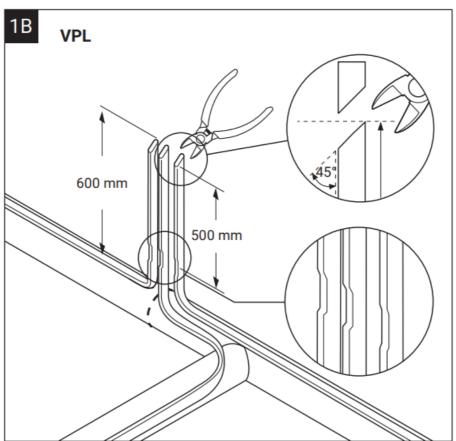
Use a power cable with continuous temperature resistance of minimum +90°C Use a metallic power cable gland approved for use in hazardous areas (for example GL-38-M25-METAL).

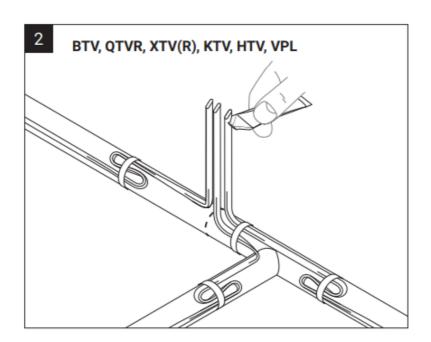
For voltages >254 Vac and BTV, QTVR, XTV(R), KTV or HTV heating cables:

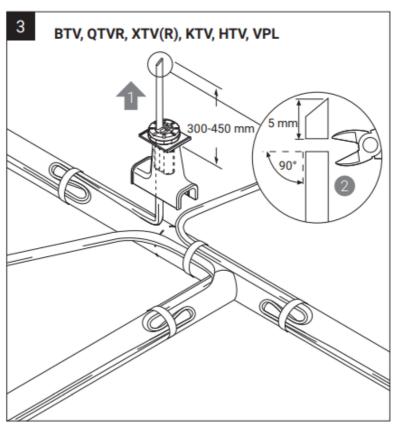
- Use a power cable with continuous temperature resistance of minimum +90°C
- Use a metallic power cable gland approved for use in hazardous areas (for example GL-38-M25-METAL).
- For pipe temperature > 150°C and XTV(R), KTV or HTV heating cables, the maximum operating current shall be reduced to maximum 20 A.

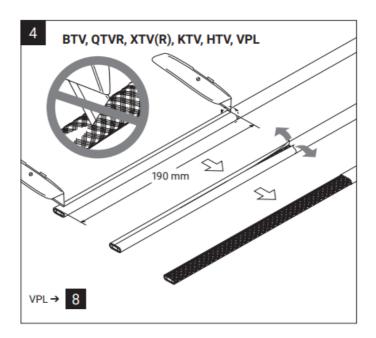
Installation

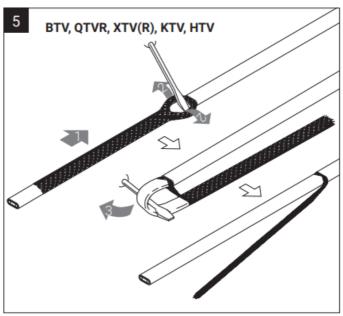


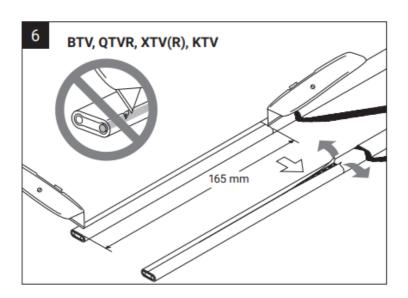


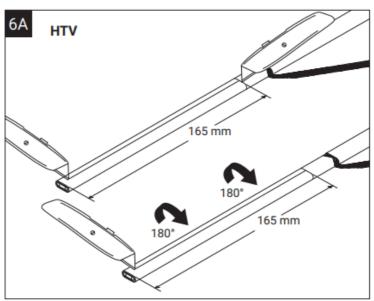


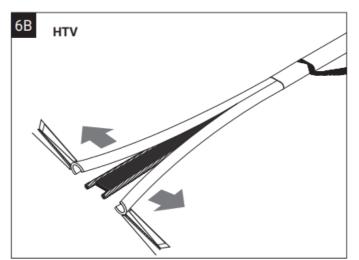


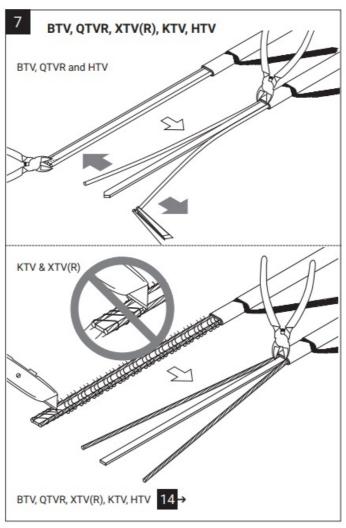


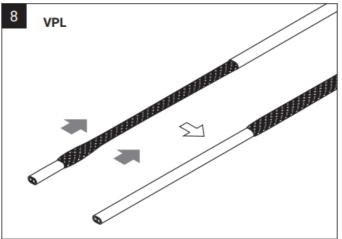


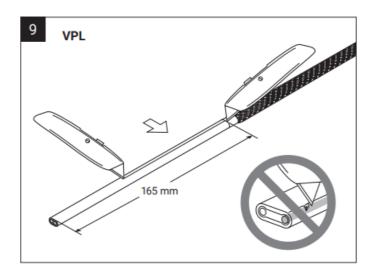


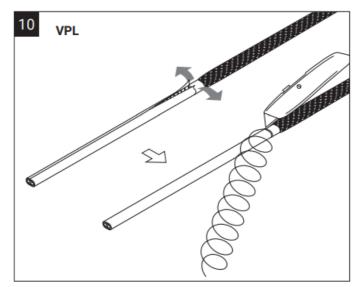


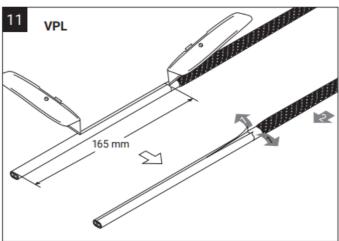


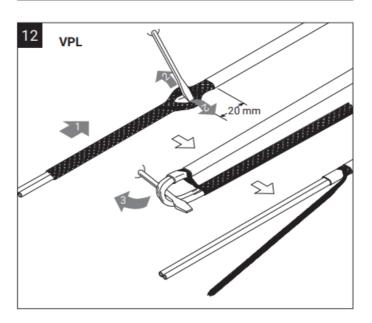


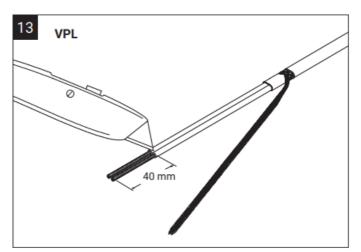


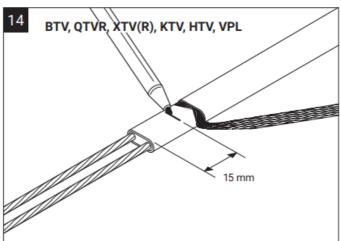


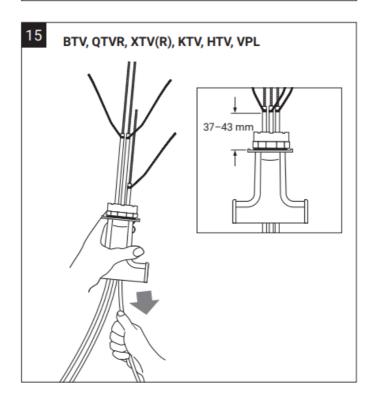


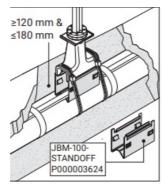


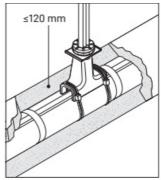


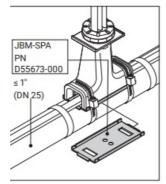


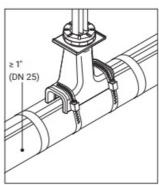


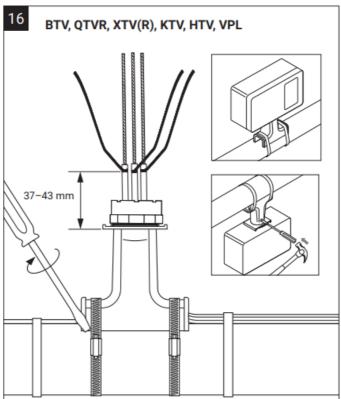


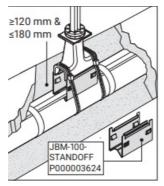


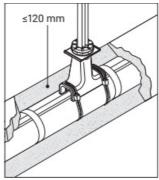


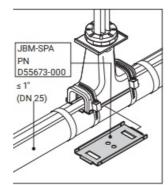


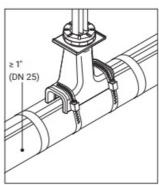


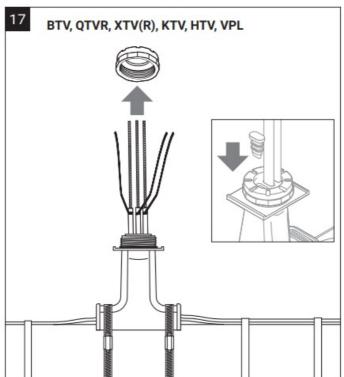


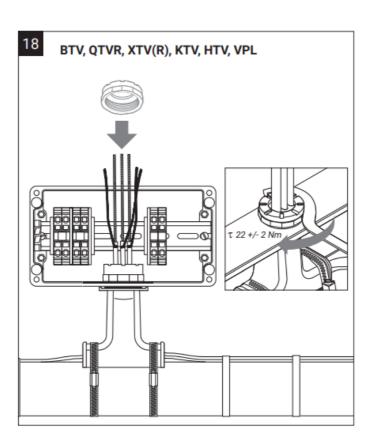


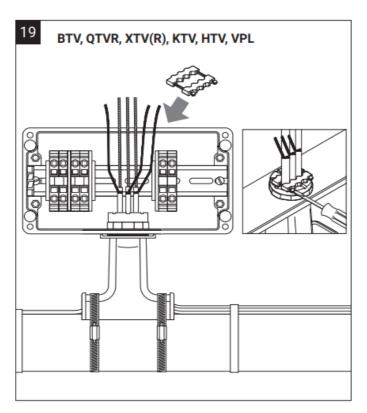


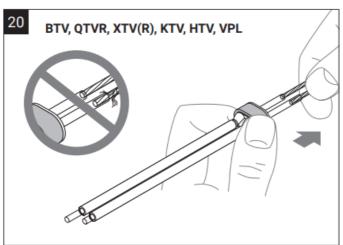


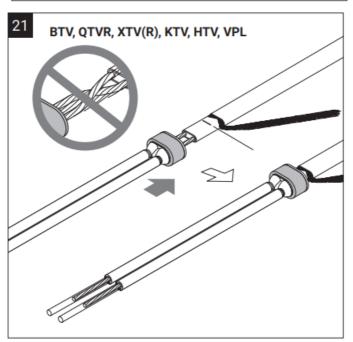


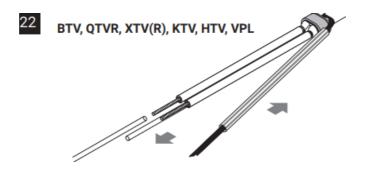




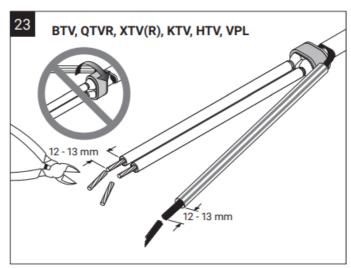


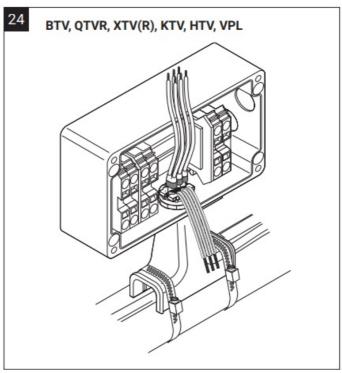


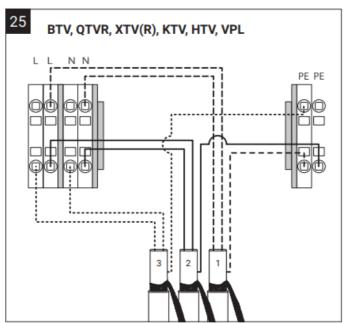


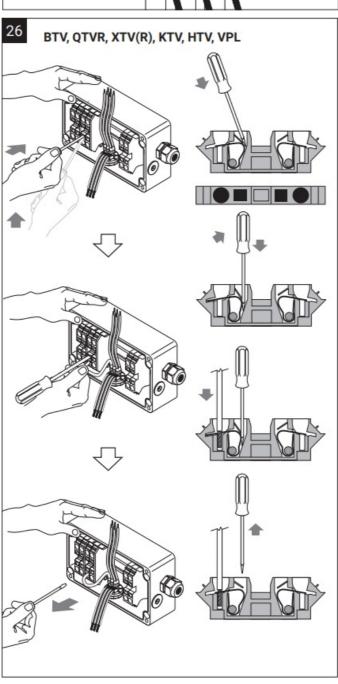


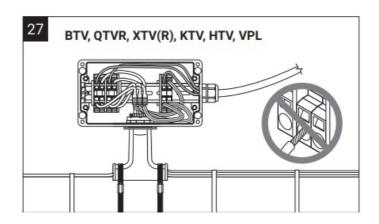
Remove the tubes and dispose of them in the core sealer plastic bag.



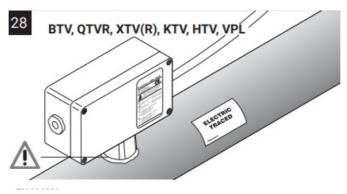








Install power cable and gland. Pull in power and ground wires, strip off 13 mm of insulation and terminate. (For -EP version only: connect earth plate to ground according to local requirements).



Install lid.

- T = 1.02 to 1.47 Nm
- Apply insulation and cladding. Weather seal the stand entry. Leave these instructions with the end user for future reference.

FAQ

- Q: What should I do if the product overheats?
 - A: If the product overheats, immediately disconnect power and allow it to cool down before further use.
- Q: How do I clean the product?
 - A: Clean the product with a dry or damp cloth. Do not use harsh chemicals or solvents for cleaning.

Documents / Resources



chemelex JBM-100 Series Multiple Entry Power Connection with Junction

Box [pdf] Instruction Manual

JBM-100-E, JBM-100-EP, JBM-100-L-E, JBM-100-L-EP, JBM-100 Series Multiple Entry Power Connection with Junction Box, Multiple Entry Power Connection with Junction Box, Entry Power Connection with Junction Box, Power Connection with Junction Box, Junction Box

References

- User Manual
- Chemelex
- Chemelex, Entry Power Connection With Junction Box, JBM-100 Series Multiple Entry Power Connection with Junction Box, JBM-100-E, JBM-100-E, JBM-100-L-E, JBM-100-L-EP, Junction Box, Multiple-Entry Power Connection With Junction Box, Power Connection with Junction Box

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