



Home » Raychem » Raychem JBM-100-L-A Multiple Entry Power Splice Tee Connection Kit
Installation Guide ™

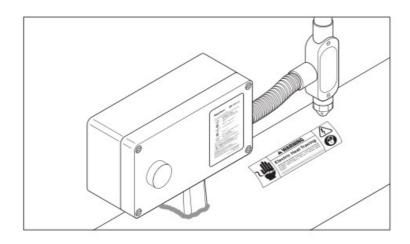
Raychem JBM-100-L-A Multiple Entry Power

Splice Tee Connection Kit Installation Guide

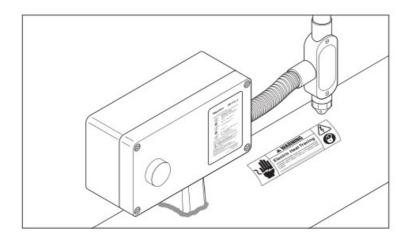
Raychem

JBM-100-L-A

Installation Instructions



chemelex



Power Connection, Powered Splice, Powered Tee, Dual Power Connection, Splice or Tee with Junction Box and Light

APPROVALS

Hazardous Locations





Class I, Div. 2, Groups A, B, C, D Class II, Div. 2, Groups F, G Class III



OCP 0064 INMETRO	(JBM-100-L-A only) Ex eb mb IIC T* Gb			
IECEx	JBM-100-L-A is IECEx certified for use with: BTV-CR/BTV-CT: IECEx BAS 20.0011X				
	QTVR-CT:	IECEX BAS 20.0013X			
	XTV(R)-CT:	IECEx BAS 20.0012X			
	HTV-CT:	IECEx PTB 21.0007X			
	VPL-CT:	IECEx BAS 20.0008X			
APPROVED (2)	Class I Division 2 (Zone 2**), Groups A, B, C, D Class I Zone 2 IIC				
C Us	Ex eb mb IIC T* Gb; Class I Zone 1 AEx eb mb IIC T* Gb Ex mb tb IIIC T*°C Db; Zone 21 AEx mb tb IIIC T*°C Db				

- * For system Temperature Code, see heating cable or design documentation
- (1) Except HTV
- (2) For HTV-CT only ** Per CE Code Table 18

KIT CONTENTS

Item	Qty	Description
Α	1	Stand assembly
В	2	Grommet plugs
С	1	Box plug, o-ring, and locknut
D	1	Cable lubricant
Е	3	Core sealers
F	3	Green/yellow tubes
G	1	Box with terminal blocks
Н	1	Lid
1	1	Spanner
J	1	Strain relief
K	1	JBL-100-R Plug-in module

DESCRIPTION

The Raychem JBM-100-L-A is a NEMA 4X-rated connection kit. It is designed for use with Raychem BTV-CR, BTV-CT, QTVR-CT, XTV(R)CT, HTV-CT and VPL-CT industrial parallel heating cables. The kit can be used to connect one, two, or three heating cables to power, to connect two separate heat-trace circuits, or to splice or tee up to three heating cables. The kit includes a plug-in light module that indicates when power is supplied to the heating cable circuit.

Note: For two or more heating cables powered by a single circuit, the length of each heating cable should not exceed the maximum allowable circuit length published in the Raychem self-regulating cables design guide and the total current of all heating cables on the circuit should equal no more than 80% of the circuit breaker current rating.

These kits may be installed at temperatures as low as 40°F (40°C), and the maximum ambient temperature of 104°F (40°C). For easier installation store above freezing until just before installation.

For technical support call Chemelex at 800-545-6258.

TOOLS REQUIRED

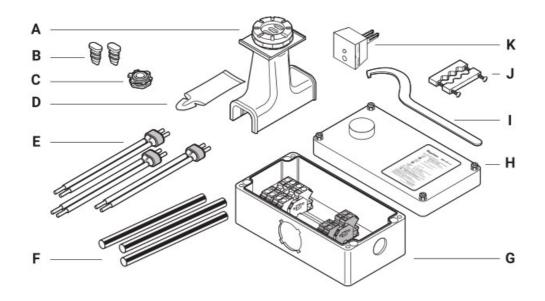
- Wire cutters
- Adjustable pliers
- Needle nose pliers
- Utility knife
- 1/4 in or smaller slotted screwdriver
- Marking pen
- Wire stripper(for VPL-CT)
- Large slotted screwdriver
- 3/8 in hex key (required for splice and tee connections)

ADDITIONAL MATERIALS REQUIRED

- Pipe strap
- GT-66 or GS-54 glass cloth tape

OPTIONAL MATERIALS

- Recommended conduit drain: JB-DRAIN-PLUG-3/4IN P/N 278621-000
- Small pipe adapter for 1 in (25 mm) and smaller pipes: Catalog number JBM-SPA P/N D55673-000



⚠ WARNING:

This component is an electrical device that must be installed correctly to ensure proper operation and to prevent shock or fire. Read these important warnings and carefully follow all of the installation instructions.

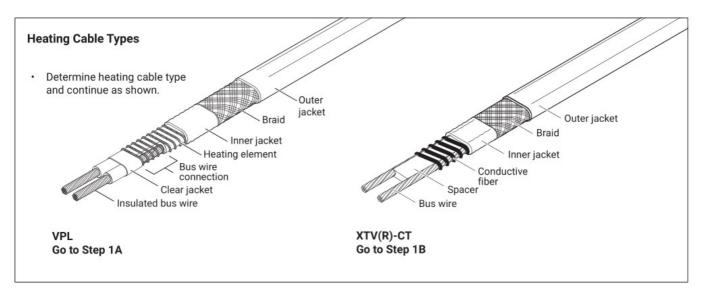
- To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of Chemelex, agency certifications, and national electrical codes, groundfault equipment protection must be used. Arcing may not be stopped by conventional circuit breakers.
- The power connection may be powered by more than one circuit. Be sure all power sources are de-energized before opening box.
- Component approvals and performance are based on the use of Chemelexspecified parts only. Do not use substitute parts or vinyl electrical tape.
- The black heating cable core and fibers are conductive and can short. They must be properly insulated and kept dry.
- Damaged bus wires can overheat or short. Do not break bus wire strands when scoring the jacket or core.
- Keep components and heating cable ends dry before and during installation.
- Use only fire-resistant insulation materials, such as fiberglass wrap or flame-retardant foam.

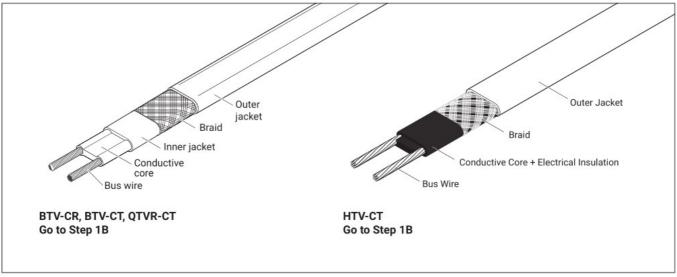
△ CAUTION:

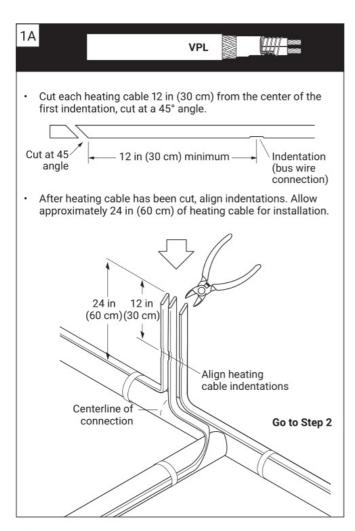
HEALTH HAZARD: Prolonged or repeated contact with the sealant in the core sealer may cause skin irritation. Wash hands thoroughly. Overheating or burning the sealant will produce fumes that may cause polymer fume fever. Avoid contamination of cigarettes or tobacco. Consult MSDS VEN 0033 for further information.

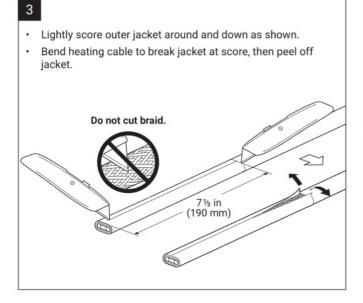
CHEMTREC 24-hour emergency telephone: 800-424-9300

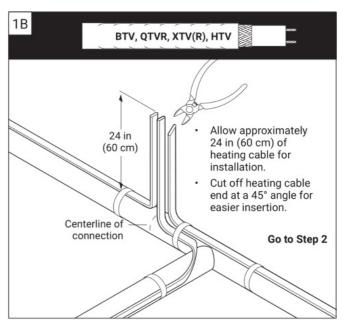
Non-emergency health and safety information: 800-545-6258.

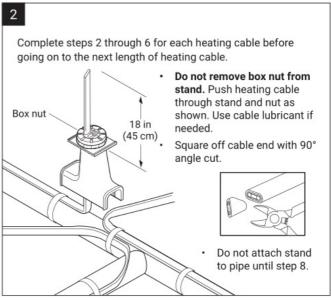


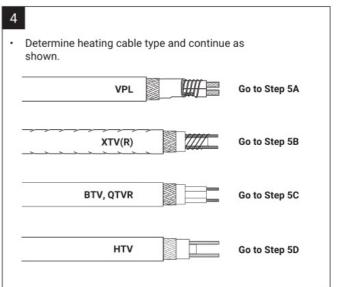


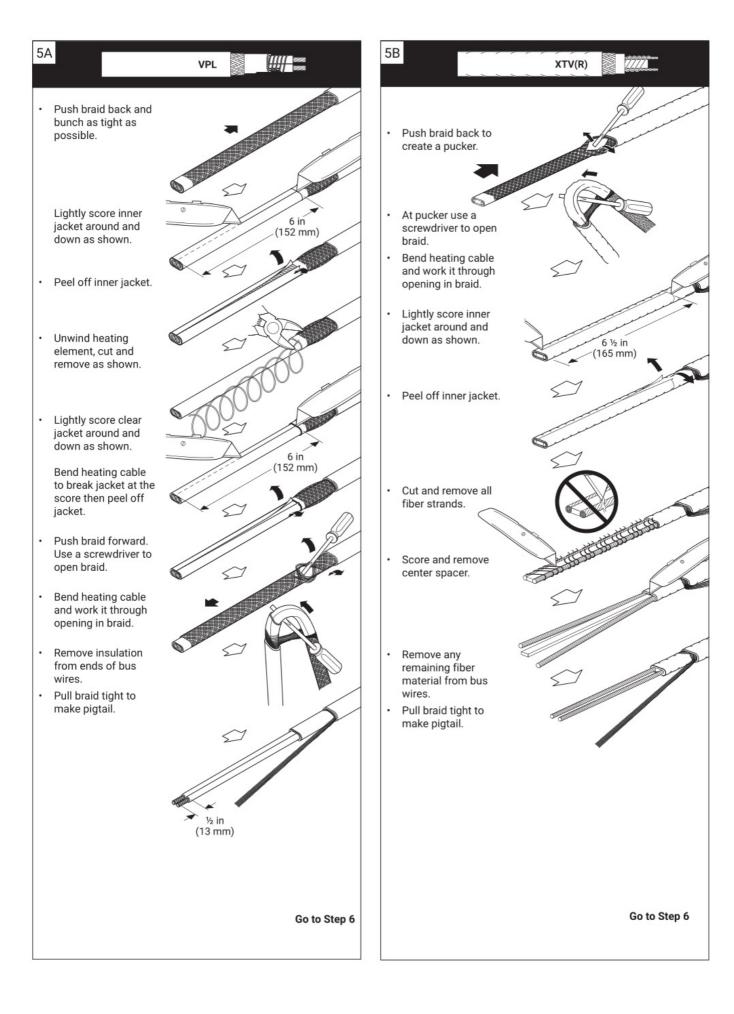


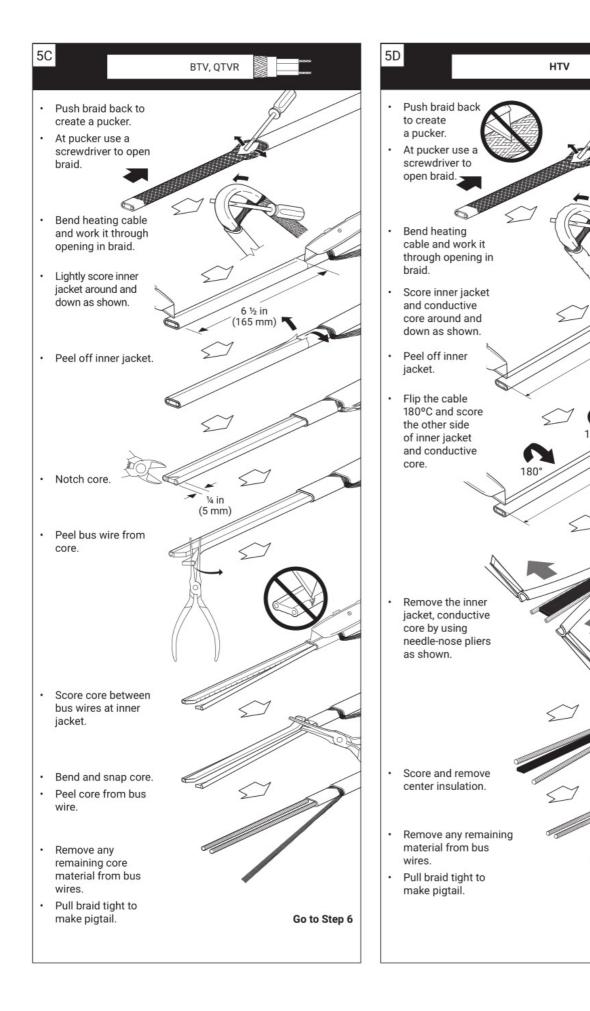










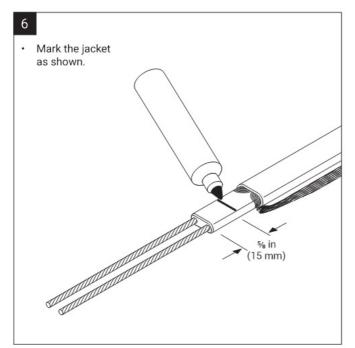


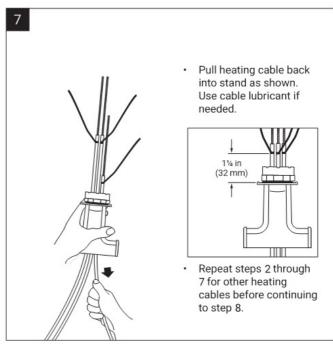
6 ½ inches (165 mm)

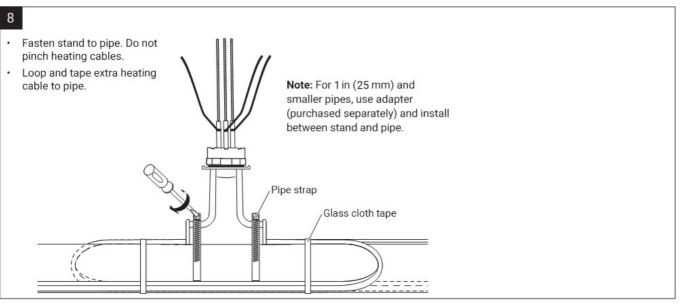
6 1/2 inches

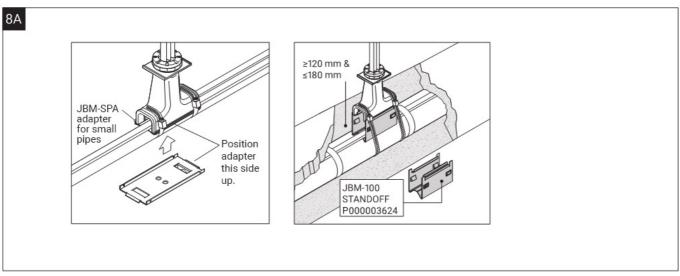
(165 mm)

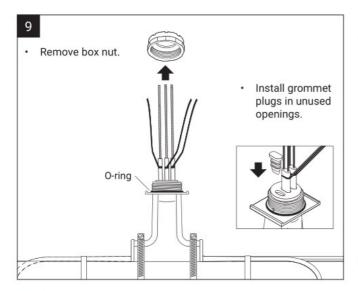
Go to Step 6

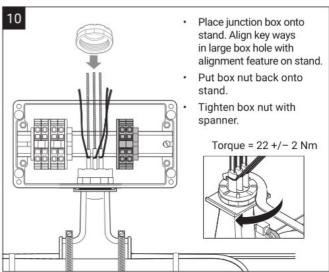


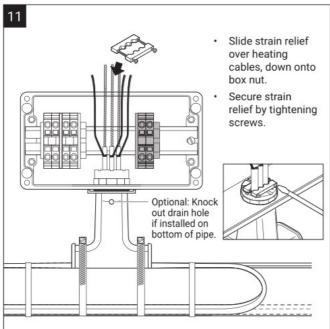


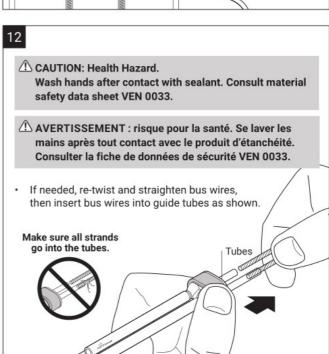


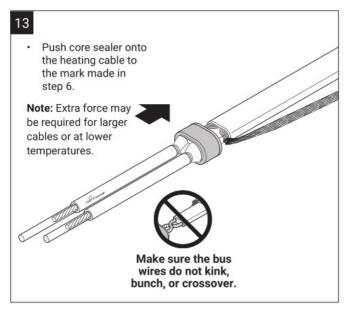


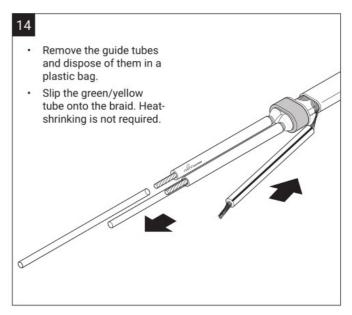


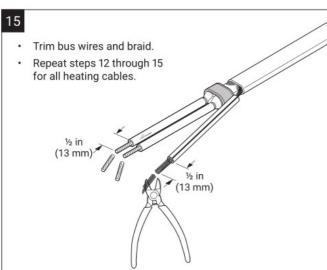


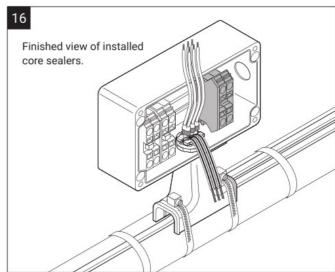








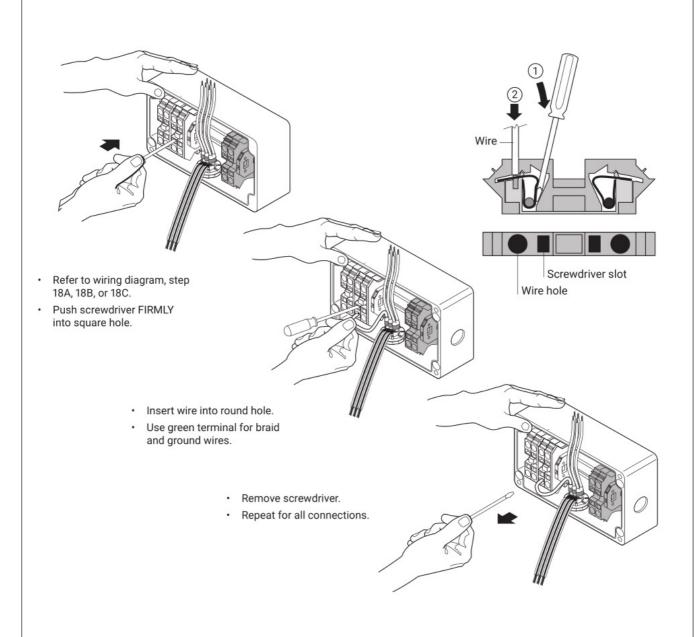


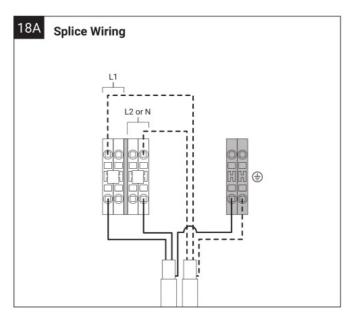


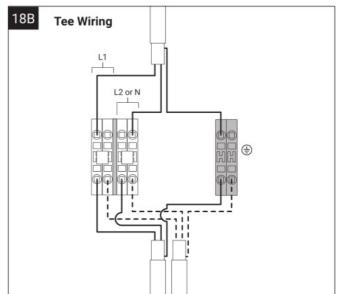
This kit uses spring clamp style terminals.

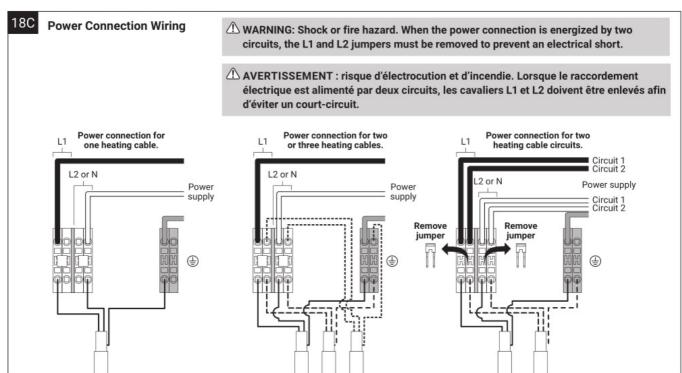
Terminals use a steel spring to clamp the wire to provide improved vibration resistance, reduced maintenance and faster installation.

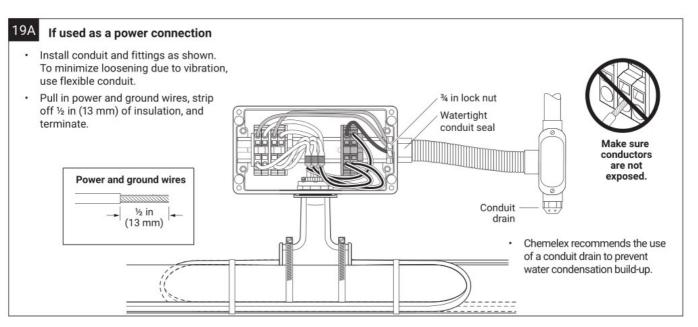
To connect wires, firmly insert a slotted screwdriver into the square hole (\odot) to open the spring. When fully inserted, the screwdriver will lock into place, allowing you to remove your hand and insert the wire into the round hole (\odot) . Remove the screwdriver to clamp the wire. The wire is held securely against the bus bar for low contact resistance over time without the need to periodically retighten screws.

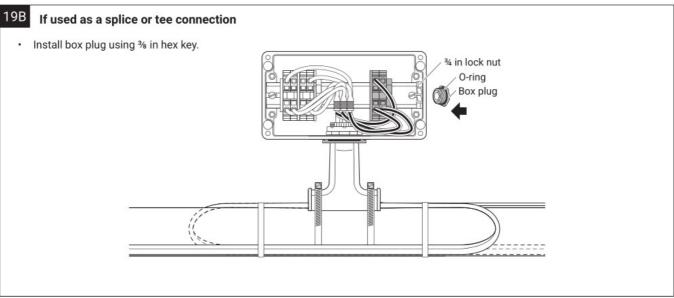


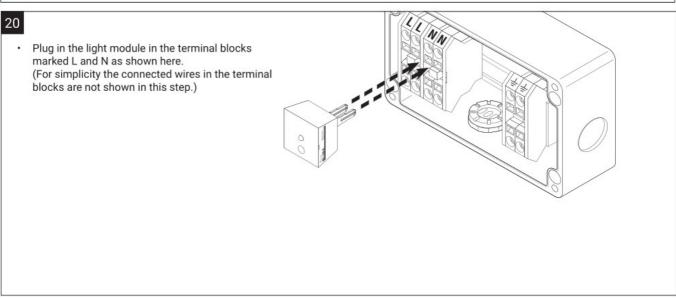


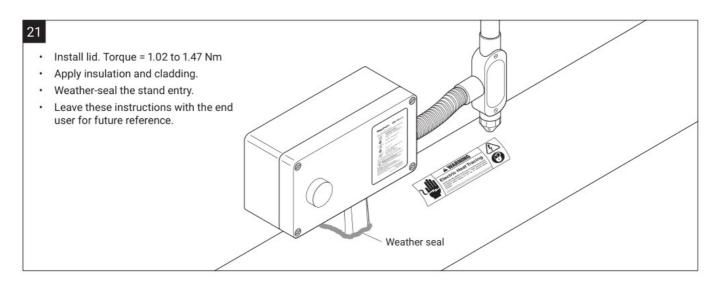












MARNING: Explosion Hazard- Substitution of Components May Impair Suitablity for Class I Division 2 (Zone 2)

⚠ WARNING: Explosion Harzard- Do not disconnect equipment unless power has been switched off or the area is known to be Non-Hazardous.

North America

Tel +1 800 545 6258

info@chemelex.com

Latin America

Tel +1 713 868 4800

info@chemelex.com

Europe, Middle East, Africa, India

Tel +32 16 213 511

Fax +32 16 213 604

info@chemelex.com

Asia Pacific

Tel +86 21 2412 1688

infoAPAC@chemelex.com



Raychem

Tracer

Pyrotenax

Nuheat

©2025 Chemelex. All Chemelex marks and logos are owned or licensed by Chemelex Europe GmbH or its affiliates. All other trademarks are the property of their respective owners. Chemelex reserves the right to change specifications without notice.

PN P000001644

RAYCHEM-IM-H59056-JBM100LA-EN-2504

chemelex.com

Contents [hide]

- 1 Documents / Resources
 - 1.1 References

Documents / Resources



Raychem JBM-100-L-A Multiple Entry Power Splice Tee Connection Kit [p

df] Installation Guide

BTV-CR, BTV-CT, QTVR-CT, XTV R -CT, HTV-CT, VPL-CT, JBM-100-L-A Multiple Entry Power Splice Tee Connection Kit, JBM-100-L-A, Multiple Entry Power Splice Tee Connection Kit, Splice Tee Connection Kit, Connection Kit, Kit

References

- User Manual
- Raychem
- ▶ BTV-CR, BTV-CT, Connection Kit, HTV-CT, JBM-100-L-A, JBM-100-L-A Multiple Entry Power Splice Tee Connection Kit, Kit, Multiple Entry Power Splice Tee Connection Kit, QTVR-CT, Raychem, Splice Tee Connection Kit, VPL-CT, XTV R -CT

Leave a comment

Your email address will not be published. Required fields are marked*					
Comment *					

Name			

Email				
Website				
☐ Save my name	email, and website in the	nis browser for the ne	ext time I comment.	

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search

Manuals+ | Upload | Deep Search | Privacy Policy | @manuals.plus | YouTube

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.