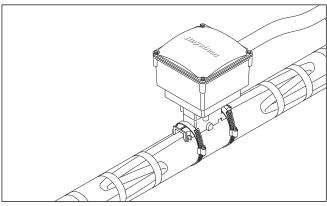
Ravchem[®]

AMG-BC-III

AutoMatrix® Power Connection Kit

Installation Instructions



Hazardous Locations



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



TYPE 4X

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

Description

The AMG-BC-III is a copper free aluminum (maximum 4/10 of 1% copper) NEMA $4X^{(1)}$ rated power connection kit for single or dual heating cable entry. Heating cables may be powered from either one or two circuits.

The kit contains materials for one power connection.

Tools Required

- Screwdriver • Needle-nose pliers
- Utility knife
- · Wire cutters
- Adjustable pliers
- Heat gun or mini-torch
- 1/4" nut driver 3/8" nut driver Crimp tool

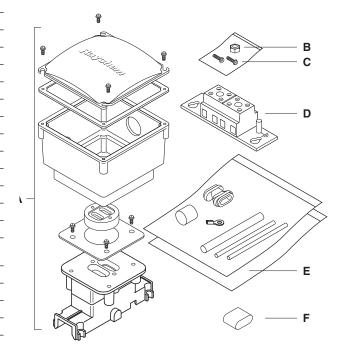
Additional Materials Required

- Pipe straps
- Grommets⁽²⁾
- \bullet GT-66 tape $^{\!(3)}\!$. Installation temp. above 40° F \bullet GS-54 tape $^{\!(3)}\!$. Installation temp. above -40° F

⁽¹⁾This type 4X enclosure is intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, and hose-directed water. It is not suitable for use where subject to attack by alkalis.

Kit Contents

KIL C	Onten			
Item	Qty	Description	Part No.	
Α	1	Connection box assembly	655335	
	1	Connection box lid		
	1	Lid gasket		
	1	Connection box		
	1	Pressure plate		
	1	Base gasket		
	1	Connection base		
	10	Connection box screws		
В	1	Grounding locknut (green)	990335	
С	2	Pressure plate screws (1" SS)	730141	
D	1	Terminal block assembly	477219	
E	2	Core insulator kit	463319	
	1	Red grommet Ring terminal		
	1	Green/yellow heat-shrinkable tube		
	1	Clear yellow heat-shrinkable tube		
	2	Black heat-shrinkable tubes		
	_	Black float chillinable table		



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

- To minimize the danger of fire from sustained electrical arcing if the heat-ing cable is damaged or improperly installed, use a ground fault protection device (GFPD). Arcing may not be stopped by conventional circuit breakers.
- Component approvals and performance are based on the use of specified 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
- · Damaged bus wires can overheat or short. Do not break bus wire strands when scoring the jacket or core.
- Heat damaged components can short. Use a heat gun or a torch with a soft,

yellow, low-heat flame, not a blue focused flame. Keep the flame moving to avoid overheating, blistering, or charring the heat-shrinkable tubes. Avoid heating other components. Replace any damaged parts.

⚠ WARNING: Overheating heatshrinkable tubes will produce fumes that may cause irritation. Use adequate ventilation and avoid charring or burning. Consult MSDS RAY/3122 for further information.

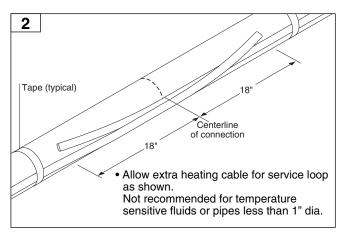
⁽²⁾May be required (see step 1).

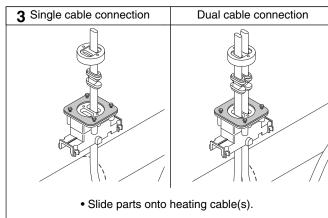
⁽³⁾ Required for CSA Class I, II, III Division 2 Certification (see step 12)

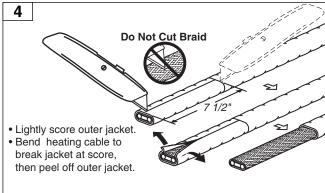
Heating Cable	Туре	Grommet (10/pack)	Part No.
BTV, QTVR, XTV	-CT or -CR	RED	725157
KTV	-CT	P*	700823
LBTV	-CT or -CR	K*	222724

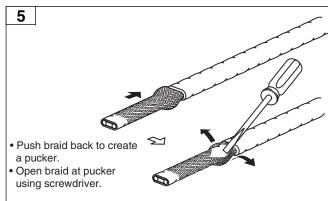
* Order separately

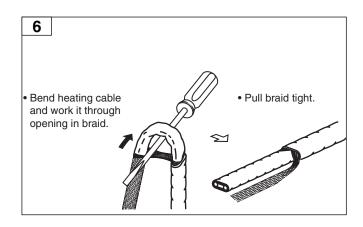
⚠ WARNING: Use of the wrong grommet can result in leaks, cracked components, shock or fire, and will invalidate approvals and certifications.

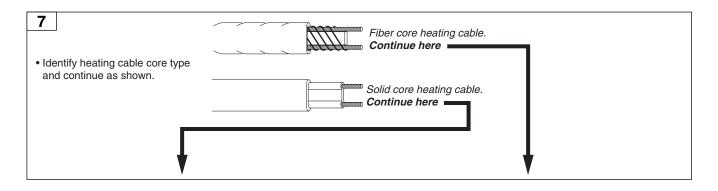


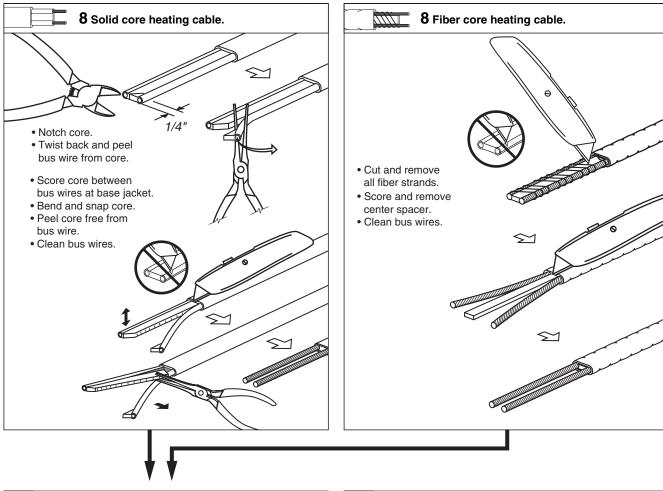


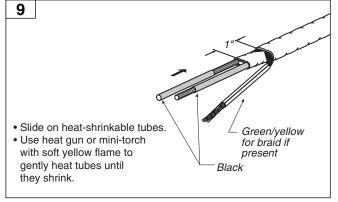


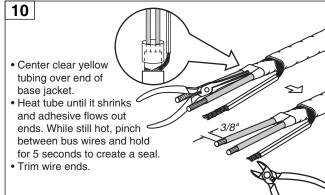


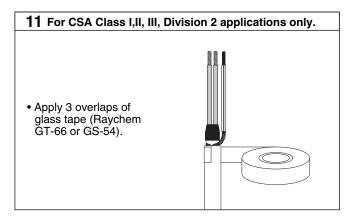


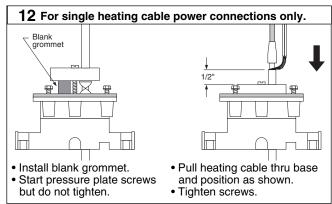


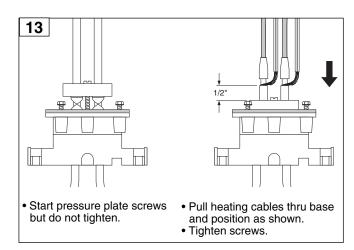


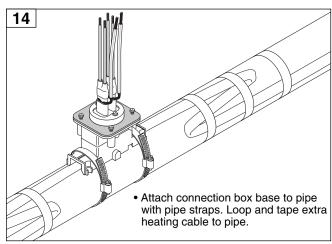


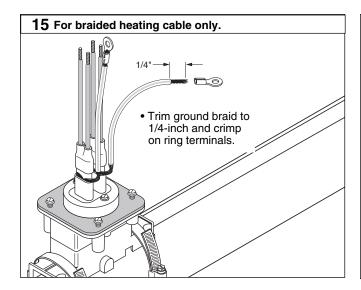


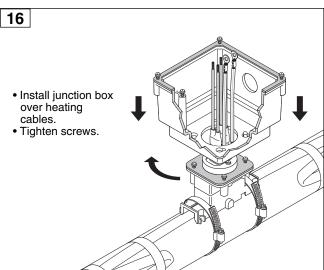


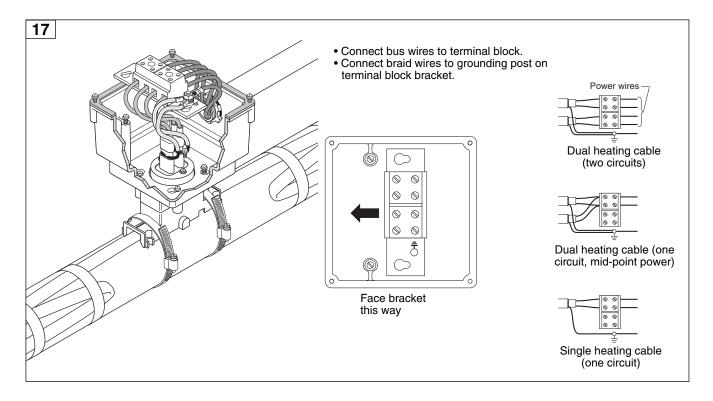


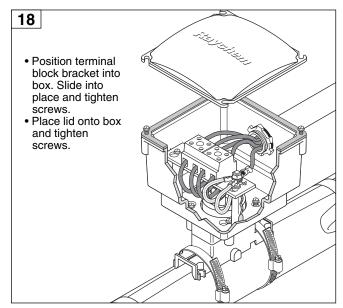


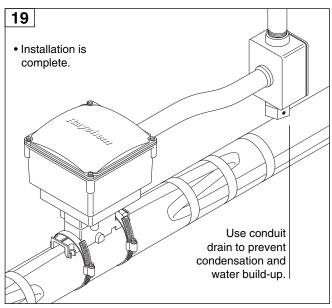












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