

BVF SRHC 18-36

Self Regulating Heating Cable



BVFHEATING.COM

1. General Information

1.1 Use of the Manual

This manual describes the BVF SRHC 18-36 heating cable — how to design and install the system, connect to cold lead and equip the cable with connecting set. It is important to thoroughly review this manual before installation. For additional information contact to the distributor.

1.2 Safety Guidelines

The safety and reliability of any electric heat tracing system depends on proper design, installation, and testing. Incorrect installation or mishandling of the product can cause damage to the heating cable, system components and property, and can create a risk of fire or shock. The guidelines and instructions contained in this guide are important. Follow them carefully to minimize these risks and to ensure that the BVF SRHC 18-36 heating cable performs reliably.

IMPORTANT SAFETY NOTICE WARNING: Shock and fire hazard!

- If the BVF SRHC 18-36 heating cable is damaged or not installed properly, fire or shock hazard could occur resulting in serious personal injuries or damage to property. You must follow carefully the warnings and instructions contained in this manual.
- Use controllers designed only for electric heat tracing systems.
- It is important that this equipment is installed only by qualified electricians who are familiar with the proper sizing, installation, construction and operation of electric heat tracing systems and the hazards involved. Installation must comply with all national and local electrical regulations. If you are unfamiliar with these requirements, please contact an electrician.
- The BVF SRHC 18-36 heating cable is designed for defrosting purposes only. Be sure that the installation surfaces are well prepared for installation.
- If the BVF SRHC 18-36 heating cable is damaged, it must be replaced. Do not attempt to splice or repair any part of the system.

1.3 Measure resistance

Measure the resistance during the installation

Remember to always measure, verify and record the actual resistance throughout the installation process.

1.4 10 years Extended Warranty

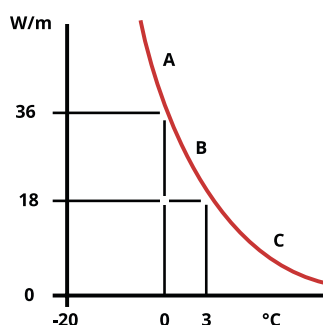
For a period of ten (10) years from the date of purchase warrants that the BVF SRHC 18-36 heating cable is free from defects in material, design and workmanship. The extended warranty is only valid if the warranty certificate has been properly completed, and the installation is in accordance with the installation instructions.

1.5 Distributor's Statement

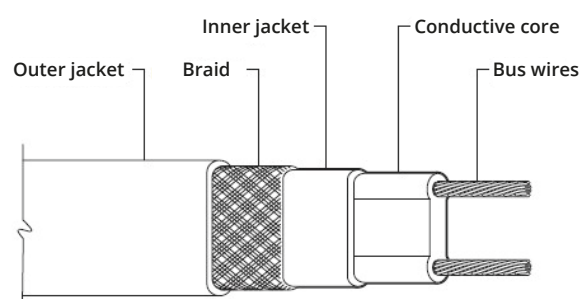
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2. BVF SRHC specification

2.1 The specific heating performance according to the ambient temperature



2.2 Structure of the BVF SRHC 18-36 heating cable



2.3 BVF SRHC technical data

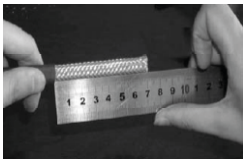
Cable Construction:	Twin conductor self regulating heating cable	Conductor Insulation:	THP
Rated Voltage:	230V	Outer Insulation:	THP
Output:	18-36W/m ±10%	Max. Ambient Temp.:	+ 65 °C
Cable Diameter:	10,5 x 5,9mm	Max. cable length:	~75m @16A 0°C

3. Installation of the cold lead to the heating cable with the connection set

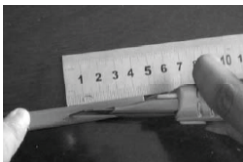
3.1 Slide 127mm tube and 203mm black heat shrinkable tube over end of the plug-in cord.



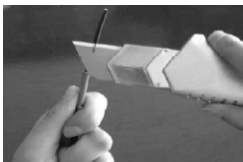
3.3 Bend heating cable to break jacket at score then peel off outer jacket.



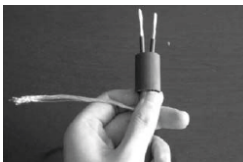
3.5 Lightly score completely around and then pull down inner jacket. The length is 45mm.



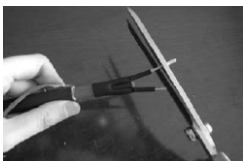
3.7 Skive matrix material from conductors with utility knife.



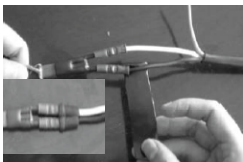
3.9 Center the 15mm × 25mm heatshrinkable tube over the end of heating cable as shown. Immediately after shrinking, pinch with pliers between wires while tube is still hot. Hold for 10 seconds to ensure seal.



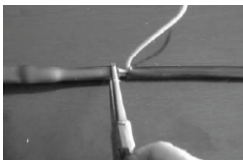
3.10 Trim the front bus wires to 7mm.



3.12 Remove release paper from strips, wrap one strip of mastic around the black wire against the end of the splice. To provide a water block, then repeat for the white wire squeeze the mastic together.



3.14 Make sure the adhesive will appear at both ends. Immediately after shrinking, pinch first one end of the tube and then the other end.

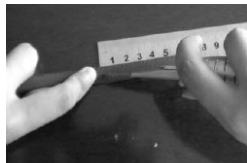


3.16 Wrap black cloth tape evenly around crimp and splice. Cover crimp completely.

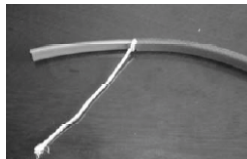


3.18 Plug the grey cap onto the opposite end of the cable. Never shortcut the cable ends. The jelly will ensure the insulation of the connection.

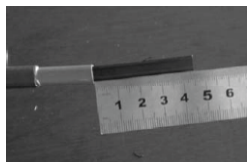
3.2 Lightly score completely around and then down outer jacket. The length is 70mm.



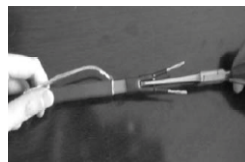
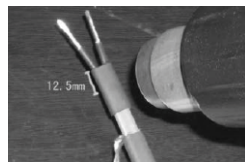
3.4 Unravel the braid back to the out jacket. Straighten the braid and twist into a "pigtail".



3.6 Bend heating cable to break jacket at score, then peel off inner jacket.



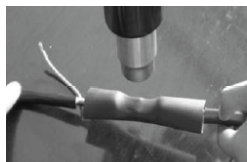
3.8 Slide the 3.2mm × 25mm shrink tubes over bus wires. To shrink tubing move heat source continuously from side to side. While shrinking, ensure that tubes remain up against black.



3.11 Use insulated bus wire crimps or a crimp tool to connect black and white wires to bus wires of heating cable. Polarity does not matter.



3.13 Center the 127mm heat shrinkable tube over the splice. Shrink the tube completely.



3.15 Use crimp tool to connect braid to ground wire.



3.17 Center the 203mm heatshrinkable tube over and shrink the tube completely. Make sure the ring of adhesive will appear at both ends. Total heating time should be about 3 minutes.

