

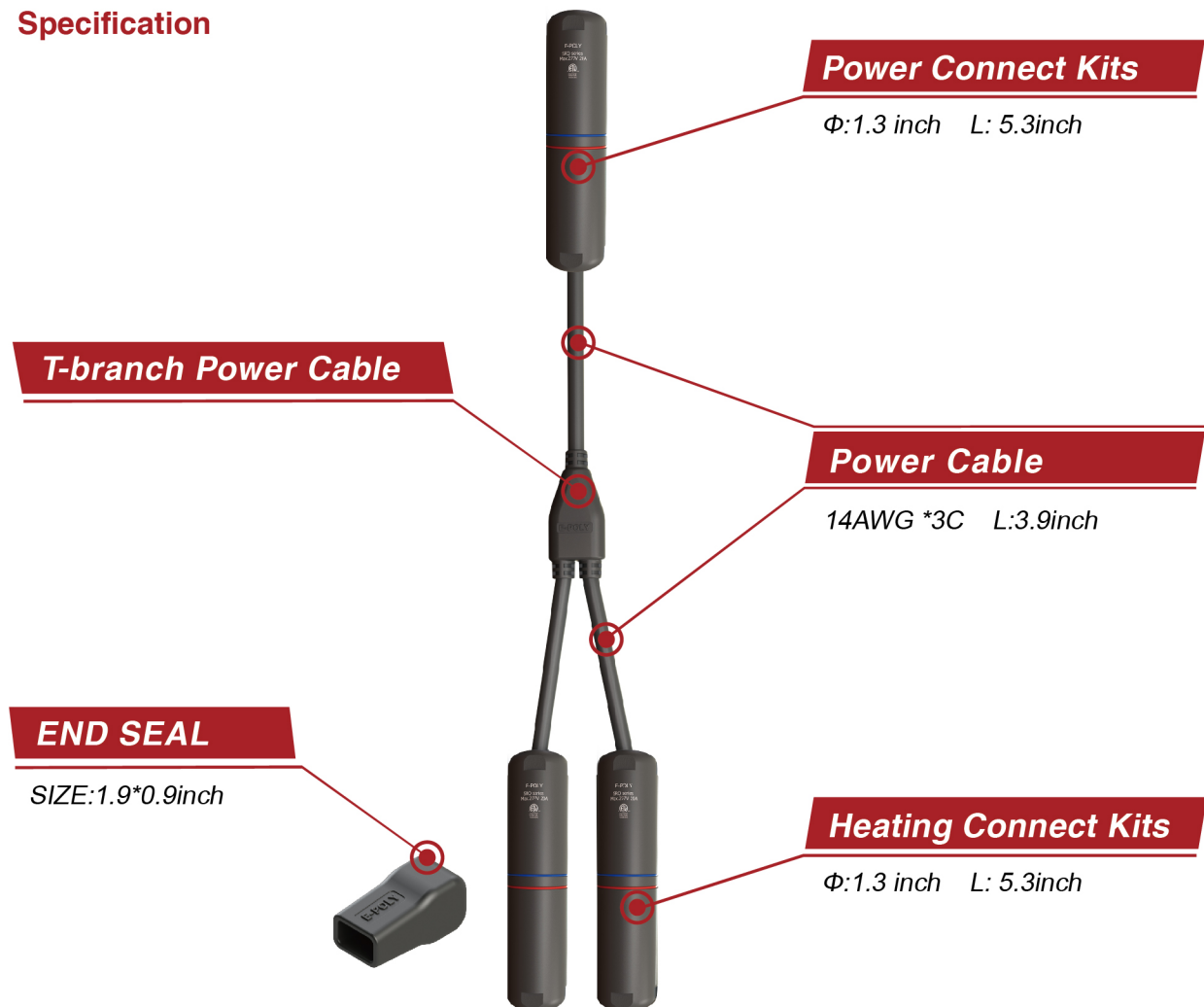
Self-Regulating Quick Connector

Description

To wire up a regulating heating circuit, can be as simple as removing a part of outer jacket, treating the braiding and twisting our SRQ connector, using only a knife and a diagonal plier.

No more time-consuming work of stripping the two conductors, laborious splicing and twisting of the protective braiding followed by connecting to a terminal.

Specification



Features

- Save time and labor cost
- Simple but reliable
- Safe electrical contact by our precise clamp and cut technology

Performance

- Maximum voltage AC 277 V
- Maximum current 20A
- Ambient temperature $-30^{\circ}\text{C} (-22^{\circ}\text{F})$ to $+105^{\circ}\text{C} (221^{\circ}\text{F})$
- Protection class IP66

Combinations Available

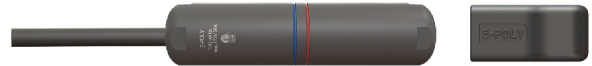
SRQ-HS

Heating cable splice kits



SRQ-PC

Power connect kits



SRQ-PT

Heating cable double connect kits
with T-branch power cable 10cm



SRQ-HT

Heating cable T connect kits



SRQ-ES

Heating cable end seal



Warning

- For civil and general industrial areas only.
- Read E-poly product installation instructions in detail and follow them strictly.
- Installation SRQ series needs to follow the heating cable installation specifications.
- If the product is found to be damaged or deformed, do not use.
- Check if all the parts are in place according to Table 1.
- Maximum continuous operating(Energized) temperature not exceeding 85 °C(185°F).
- Maximum continuous exposure(De-energized) temperature not exceeding 105 °C (221°F).
- Ensure the power has been disconnected before connecting to the power supply.
- Do not operate the heating cable without end termination.
- Changing/Removing the thermal insulation or altering the temperature values of the medium(and carrier) to be heated can lead to overheating/freezing of the carrier material(e.g. pipe).
- Check the supply voltage and current are within specification.

Operation and Maintenance

- Unroll the heating cable from a reel in a straight line and cut to the correct length (observe the max. heating circuit lengths in the installation instructions, table 2).
- The two ends of the heating cable must be provided with connection and end seal as explained in the installation instructions.
- Do not connect the heating cable's two supply conductors together, or you will get a short circuit! The project engineering specifications must be adhered to when installing the heating cable on the pipe (or tank).
- The bending radius must be at least 25mm; do not bend in an up right position.
- The heating cable and the SRQ should be attached to the pipe by means of a temperature-resistant adhesive tape or cable ties at a max. spacing of 200mm.
- Use only plasticiser-free adhesive tapes or cable ties(no PVC tapes)!
- To ensure efficient heat transmission, the heating cable must be in contact with the pipe over the entire length of the cable surface.
- It's viable to reduce the distances between fastenings.
- On plastic pipes which conduct heat less efficiently than metal pipes do, aluminium foil or aluminium adhesive tape should be put under or over the heating cable.

Table 1 : Material list

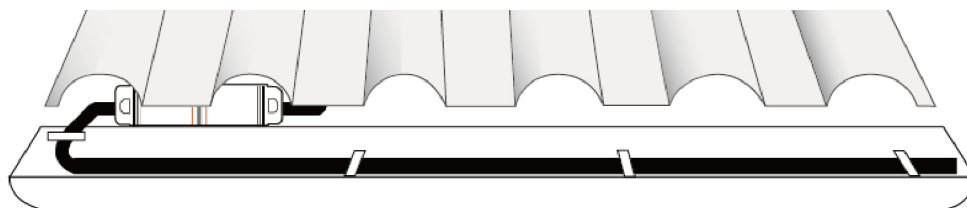
No.	Individual parts (SRQ)	-PC	-HS	-PT	-HT	Note
1		/	/	1	1	2 or 3 branch
2		1	1	2	3	
3		2	2	4	6	
4		1	2	2	3	With Braid Clip
5		1	/	2	3	
6		2	2	4	6	With Seal Ring
7		1	2	2	3	
8		1	/	2	3	
9		1	1	2	2	

Table 2 : Maximum heating circuit length of each branch

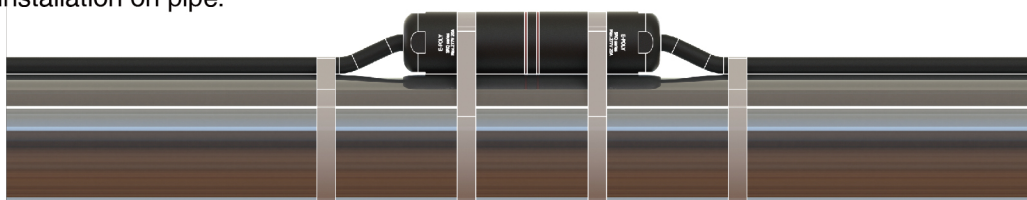
Type	Heating Circuit Length (ft)				
	Voltage	3W/ft	5W/ft	8W/ft	10W/ft
SRQ-PC	120V	150	125	100	75
	240V	300	250	200	150
SRQ-HS	120V	75	60	50	40
	240V	150	120	100	80
SRQ-PT	120V	75	60	50	40
	240V	150	120	100	80
SRQ-HT	120V	50	40	30	25
	240V	100	80	60	50

Example

SRQ installation in gutter.



SRQ installation on pipe.



SRQ-PT/HT has a flexible power cord between the each connectors, which can adapt to the branch pipeline in any direction of the heating system.

