

# GFST-1 Line Plug To Heating Cable Data Sheet



## DESCRIPTION

The GFST-1 120 volt plug in power connection kit with ground fault circuit protection provides a convenient, integrated solution for Self Regulating cable connection for freeze protection installations of water pipes, refrigeration drain lines and roof/gutter applications.



## Contents

- Ground fault plug kit
- Splice connection kit for connection to the SR series self regulating cable

## Features

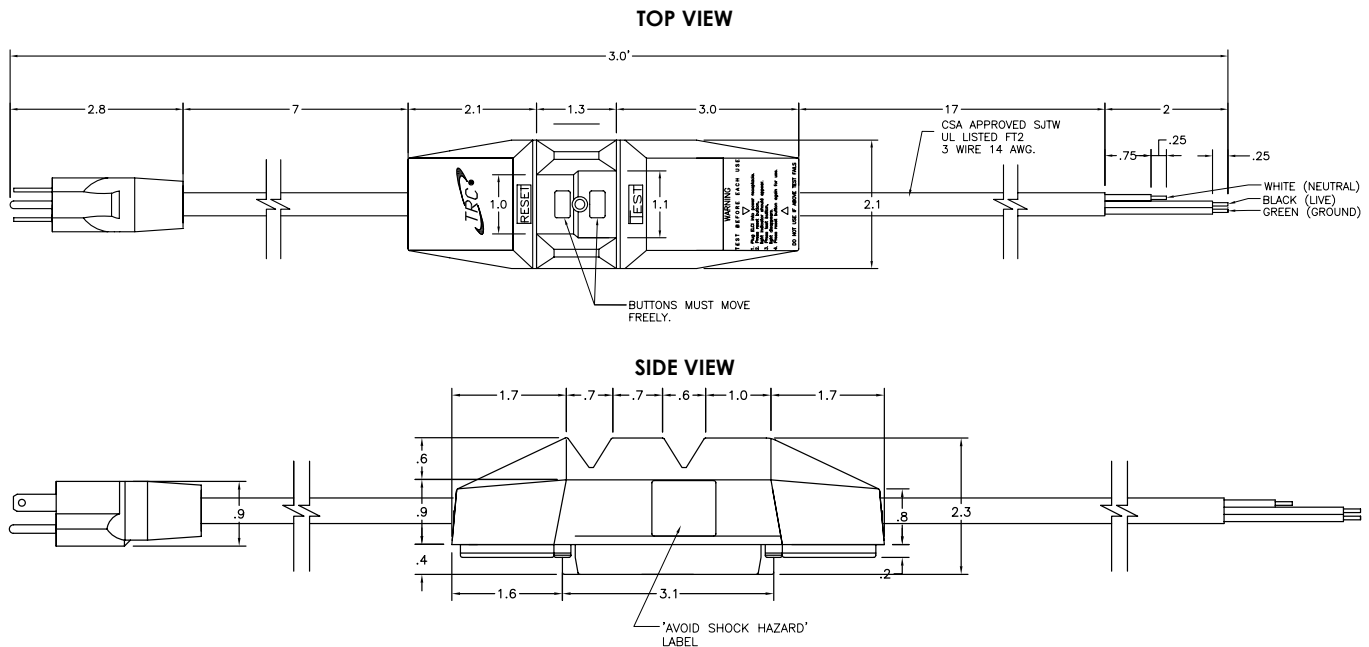
- Light power indication
- Provides 30 Ma equipment ground fault protection as required by National electrical code 1993, section 426-53

## Technical Data

- Trip response time for ground fault - Less than 25 ms
- Trip level - 30 mA
- Power on indication - Indicator Light
- Rated for 15A Circuit Breaker, 120 Vac

PIPE FREEZE AND TEMPERATURE MAINTENANCE	SR51	SR51	SR81
Maximum Circuit Length at -20°F Start Up	185 ft	135 ft	95 ft
Maximum Circuit Length at 0°F Start Up	210 ft	155 ft	105 ft

ROOF AND GUTTER	SR51
Maximum Circuit Length at -20°F Start Up	100 ft
Maximum Circuit Length at 0°F Start Up	115 ft



# GFST1 Line Plug To Heating Cable

## Data Sheet

### DESCRIPTION

The GFST1 in-line kit is for residential and commercial pipe trace and roof and gutter de-icing use with SR-J self regulating heating cables. This kit provides an ELCI (Equipment Leakage Current Interrupter) in-line plug to be used with a connection kit to crimp the ELCI to a self regulating heating cable.

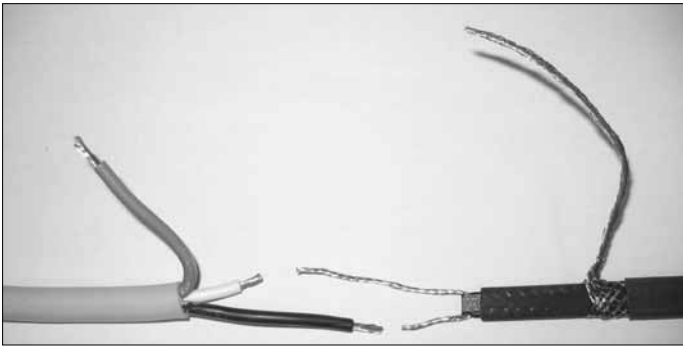
### NOTE:

Instructions are a supplement to heating cable connection kit instructions.

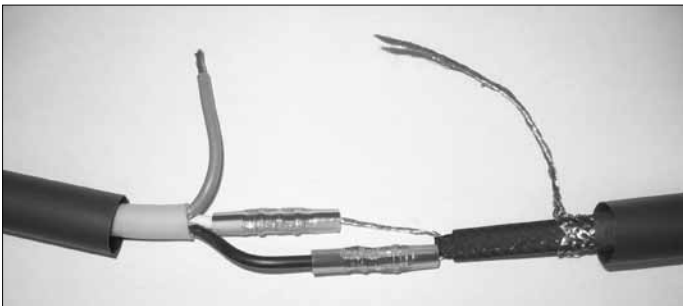
### WARNING:

**FOLLOW ALL HEATING CABLE INSTRUCTIONS**

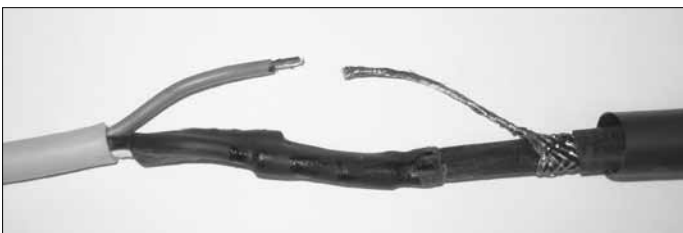
### SPLICE



1. Position the heating cable with ground braid and ELCI ground lead on the same side. Remove 1.25" (32mm) of the bus wire opposite the live (black) lead of the ELCI from the heating cable, creating an offset for insulated splice connections.



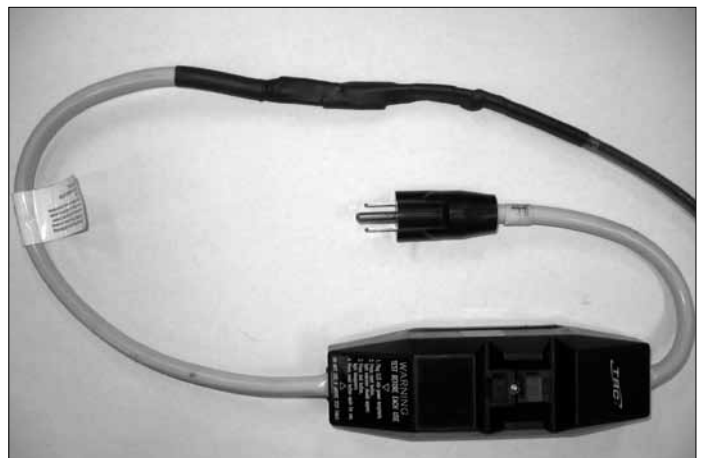
2. Cut the 0.5" (13mm) dia., 6" (152mm) length shrink tube to 3.5" (89mm) length. Slide one 1.2" (30mm) dia., 9" (229mm) length shrink tube over one heater cable. Slide one 0.5" (13mm) dia., 6" (152mm) length shrink tube over the ELCI cold lead. Crimp the bus wires and lead wires together using insulated splice connectors.



3. Center the 0.5" (13mm) dia., 3.5" (89mm) length shrink tube over the connectors leaving the ground braid strap and lead exposed. Shrink with heat gun until completely shrunk. A uniform bead of glue should appear around the ends of the shrink tube.



4. Shorten (cut) the ground braid strap on the heating cable so that ground braid strap and ground lead butt at the splice centerline. Tightly twist the ground braid strap. Crimp the ground braid strap to the ground lead using an un-insulated splice connector. Secure connector at the indented area with one and a half wraps of fiberglass tape (not included in kit).



5. Center the 1.2" (30mm) dia., 9" (229mm) length shrink tube over the splice. Shrink with heat gun until completely shrunk. A uniform bead of glue should appear around the ends of the shrink tube. Tightly apply the 14" spiral wrap over the finished splice starting from one end. The spiral wrap is to be applied without an overlap and in a way to minimize gaps.

EasyHeat products are supplied with a limited warranty, which may be found on [www.easyheat.com](http://www.easyheat.com).

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