

# Thermopads

## Thermotrace Self Regulating Tracers - STF - for Low Temperature Applications.

Thermotrace self regulating tracer is used for freeze protection of pipeline. It is suitable for maintaining temperatures up to 65 Deg.C.

### Construction

1. 1.25 sq. mm Coated Copper Bus wires.
2. Semi conductive Heating core extruded over the bus wires.
3. Modified Polyolefin providing electrical insulation, mechanical strength & moisture resistance
4. Aluminum Mylar with drain wire / coated copper braid to give a continuous ground path.
5. Outer jacket UV resistant Fluoropolymer / Modified Polyolefin to enable usage in corrosive area.



### Features.

Standards : Meets applicable test requirements of Standards: EN 60079 - 0, IS/ IEC / EN 60079 - 30 - 1 & EN 60079 - 31

Approvals : Central Institute of Mining and Fuel Research (CSIR-CIMFR), Dhanbad and approved by Petroleum and Explosives Safety Organization ( PESO), Nagpur, India for Zone II , TI (ATEX) for Zone I / Division II & EAC for use in hazardous area applications

Safety : As the cable self regulates its heat output, it limits the maximum sheath temperature, thus making it burnout proof.



### Technical Specifications

Catalogue Ref.	STF10	STF15	STF20	STF25	STF33
Heating Power W/m (230 VAC) at 10° C	10	15	20	25	33
Voltage Supply	230/240VAC, 50Hz, 110 / 120VAC on request				
Min. Installation Temperature	-65°C				
Max. Operating Temperature	65°C				
Max. Exposure Temperature	85°C				
Min. Bending radius	25mm				

### Circuit Breaker selection vs Maximum length(m) /circuit

Catalog Number	Output at 10° C,230V	Maximum Circuit Length	Circuit Breaker Size	Maximum Maintenance Temperature	Maximum Exposure Temperature
STF 10	10 W/m	205	16A	65°C	85°C
STF 15	15 W/m	145	16A	65°C	85°C
		162	20A	65°C	85°C
STF 20	20 W/m	116	16A	65°C	85°C
		140	20A	65°C	85°C
STF 25	25 W/m	88	16A	65°C	85°C
		117	20A	65°C	85°C
		120	25A	65°C	85°C
		126	30A	65°C	85°C
STF 33	33 W/m	70	16A	65°C	85°C
		90	20A	65°C	85°C
		99	25A	65°C	85°C
		108	30A	65°C	85°C

### Note :

1.Circuit breakers are sized based on start-up temperatures of 10°C. for 110/120V application, please write to us [enquiry@thermopads.com](mailto:enquiry@thermopads.com)

