

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 Jacket 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	205	16A	65°C	85°C
		205	16A	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 100C. for 110/120V application, please write to us enquiry@thermopads.com

