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 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	STF25	STF33
Heating Power W/m (230 VAC) at 10° C	10	15	25	33
Voltage Supply	230VAC, 50Hz, 110 / 120VAC on request			
Min. Installation Temperature	-65°C			
Max. Installation Temperature Power On.	65°C			
Max. Operating Exposure Temperature Power Off.	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
STF10	10 W/m	205	16 A	65°C	85°C
STF15	15 W/m	145	16 A	65°C	85°C
		162	20 A	65°C	85°C
STF25	25 W/m	116	16 A	65°C	85°C
		140	20 A	65°C	85°C
STF33	33 W/m	88	16 A	65°C	85°C
		117	20 A	65°C	85°C
		126	30 A	65°C	85°C

Note:

1. Circuit breakers are sized based on start-up temperatures of 10°C. For 110/120V application, pl. write to us