



## TECHNICAL SPECIFICATIONS FOR CELSUN “FACTORY TERMINATED CONSTANT WATTAGE HEAT TRACING CABLE”

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| 1  | <b>Type :</b>                    | <b>CELSUN</b> Brand, Constant Wattage, Series Resistance Tracer Tape   |
| 2  | <b>CONSTRUCTION :</b>            |  |
|    | Primary Insulation:              | P.T.F.E. (Teflon)  |
|    | Secondary Insulation:            | GLASS - FIBRE  |
|    | Sheathing:                       | SS 304   |
| 3  | <b>Nominal Voltage :</b>         | 230 V  |
| 4  | <b>Nominal Loading :</b>         | 25 & 45 Watts/Mtr.   |
| 5  | <b>Design Standard :</b>         | BS 6351 and IEEE 515   |
| 6  | <b>Approval Agencies :</b>       | Central Mining Research Station (CMRS), Dhanbad.<br>Department of Explosives, Nagpur                             |
| 7  | <b>Area Classification :</b>     | Approved for use in <b>Zone II Area</b> , with gases having classification T1 to T5 as per <b>IS 5571 - 1979</b> |
| 8  | <b>Dimensions:</b>               | 12 mm X 4 mm Maximum (Cross Section)   |
| 9  | <b>Termination :</b>             | Supplied in Ready to use form with 1m long cold-end  |
| 10 | <b>Maximum Safe Temperature:</b> | : 170 °C - For 25 Watts/Mtr. Tracer<br>160 °C - For 45 Watts/Mtr. Tracer   |
| 11 | <b>Maximum circuit Length:</b>   | 25 meter   |

### Salient Features and Advantages:

- These tapes are supplied in ready to use form with factory terminated cold ends.
- No cutting, splicing or making joints at site is required. Hence installation is easy, safe and fast. No skilled person is required.
- Output does not fall with temperature, giving a faster rate of heating.
- There is no heavy inrush current while starting from cold. Hence lower rating of switchgears and lower capital investment is required.
- Working temperature can be varied easily by changing the set point of the thermostat or temperature controller.