



Thermo De Icing Tracer (TDIT-SR)

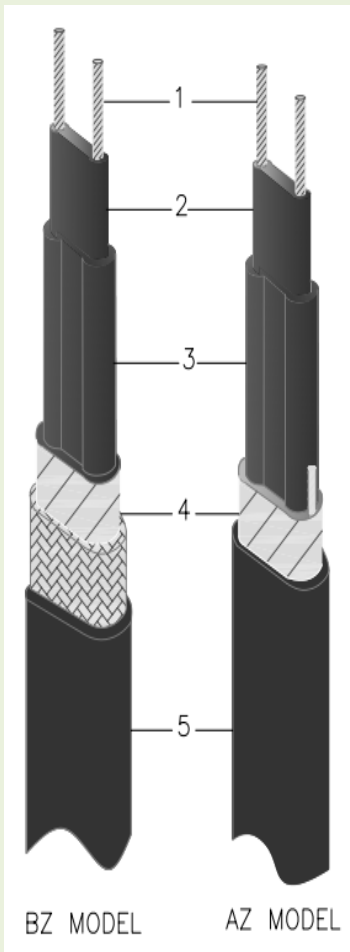
Thermo De Icing Tracer (TDIT-SR) is designed for various Domestic and Commercial De Icing applications like Freeze protection of pipelines, vessel, Snow and ice prevention on roofs, Gutters, Downspouts and similar.



Thermo De-icing Tracer (TDIT-SR) consists of a self-regulating parallel circuit of a semi-conductive heating core extruded over plated copper bus wires. Modified Polyolefin insulation over semi-conductive heating core provides electrical insulation, over which Aluminum tape with coated copper screening or Aluminum tape with earth drain wire metal sheathing is provided for earthing. An outer sheath of Modified Polyolefin makes the heating cable robust and water proof.

TDIT-SR derives its self-regulating characteristic from the inherent properties of the semi conductive core material. With increase and decrease in cable core material temperature, conductive paths decrease and increase and result in heat output decreasing or increasing. This occurs at every point along the cable's length, adjusting the power output to the varying conditions. As the cable self-regulates its heat output, it limits the maximum sheath temperature, thus making it burn-out proof.

TDIT-SR is available factory terminated and as in continuous lengths on drums.

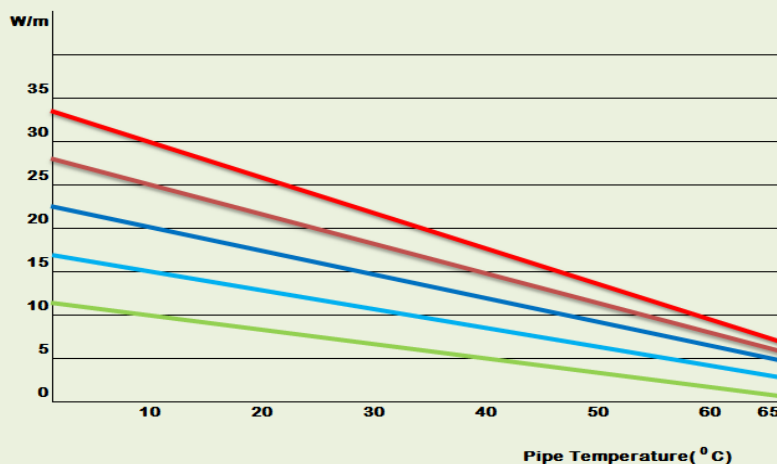
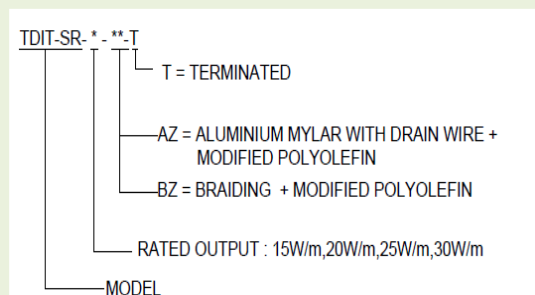


Technical Specifications	
Standard Power output at 10°C on Pipe @ 230 V a.c	10,15, 20, 25 & 30 W/m
Min. Installation Temperature	-40° C
Operating Temperature – Switched on	Max 65° C
Operating Temperature- Switched off	Max 85° C
Minimum Bending Radius	25mm
Qualification	IEC 60800, IEC/EN62395-1 and VDE 0721-52 UV PROTECTION, REACH & ROHS
1. Bus Bar	Coated Copper, Nom. 1.0 sq.mm
2.Heating Core	Semi conductive matrix
3.Insulation	Modified polyolefin
4.Metal Sheathing	BZ Model: Aluminum Mylar with coated copper Braiding/ AZ Model: Aluminum Mylar and earth drain wire
5.Outer sheath	Modified polyolefin



Product Ordering Code:

TDIT-SR Power Output Characteristics:



Range:

Type	Nominal output	Nominal Dimensions
TDIT-SR-10-AZ	10W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-10-BZ	10W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-15-AZ	15W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-15-BZ	15W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-20-AZ	20W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-20-BZ	20W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-25-AZ	25W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-25-BZ	25W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-30-AZ	30W/m @ 10°C	9.75 mm x 5.5 mm
TDIT-SR-30-BZ	30W/m @ 10°C	9.75 mm x 5.5 mm

The TDIT-SR is available in factory terminated standard lengths: 5, 8, 10, 12, 15, 20, 25, 30, 35, 40, 50, 60 and 70 m.

Maximum Circuit Lengths @ 230 V a.c

Heating circuit length (m) with Type C circuit Breaker											
		TDIT-SR-10		TDIT-SR -15		TDIT-SR -20		TDIT-SR -25		TDIT-SR -30	
	Circuit Breaker size (Amps)	10	16	10	16	10	16	10	16	10	16
Switch-on temperature (°C)	+10°C	122	135	90	115	72	100	60	92	52	84
	-15 °C	105	125	70	100	57	91	46	75	40	63
	-30°C	86	110	62	93	52	84	41	68	36	57

APPROVALS

