

DMT

Electrical heating cable for freeze protection or temperature maintenance.



- maximum continuous exposure temperature (power on) : 135°C / 275°F
- maximum permissible exposure temperature (power off) : 135°C / 275°F
- minimum operating temperature : -65°C / -85°F
- minimum installation temperature : -40°C / -40°F
- standard power supply : 230VAC (other on demand)
- temperature classification :
 - < 45W/m @ nom voltage - T4 (135°C)
 - > 45W/m @ nom 230V to 277V - T3 (200°C)
- maximum resistance of protective braiding : 18.2 Ohm/km
- ingress protection : IP67



ORDERING INFORMATION

DMT 10 - 2CT

DIRAC Medium Temperature
Output 30W/m at 10°C
Supply Voltage 220 - 277V AC
Metal Braid
Fluoropolymer Outerjacket

DMT is an industrial grade, self-limiting heating cable that can be used for freeze protection or temperature maintenance to 135°C.

It can be cut-to-length on site and exact piping lengths can be matched without any complicated design considerations.

DMT is approved for use in non-hazardous, hazardous and corrosive environments to Ex standards.

Its self-limiting characteristics improve safety and reliability.

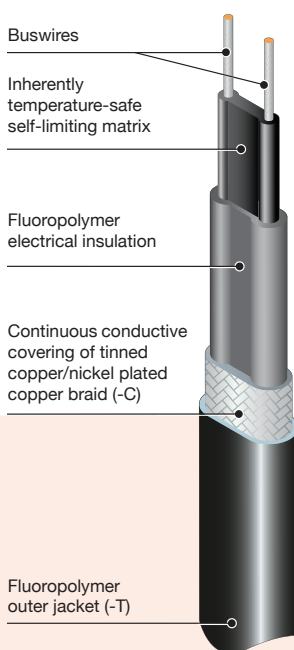
DMT will not overheat or burnout, even when overlapped upon itself. Its power output is self-regulated in response to the pipe temperature. The installation of DMT is quick and simple and requires no special skills or tools.

Termination, splicing and power connection components are all provided in convenient kits.

- Automatically adjusts heat output in response to increasing or decreasing pipe temperature
- Can be cut-to-length
- Inherently temperature safe
- Suitable for use in safe, hazardous and corrosive areas
- Different supply voltages on demand
- Full range of controls and accessories available

	DMT5	DMT10	DMT15	DMT20
Nominal output W/m at 10°C	15	30	45	60
DIRAC REFERENCE	DIMENSIONS [mm] +/-0.5	WEIGHT kg/100m	MIN BEND RADIUS	GLAND SIZE
DMT..CT	12.65 x 5.65	14.2	35 mm	M20

STRUCTURE



MAXIMUM LENGTH [m] VS. CIRCUIT BREAKER SIZE

The following circuit details relate specifically for the trace heating of pipework and equipment. For any other application consult DIRAC Industries.

REF	START-UP T [°C]	230V			
		10A	16A	20A	32A
DMT5	10°C	92	148	162	162
	0°C	84	134	162	162
	-20°C	74	118	148	162
	-40°C	66	106	132	162
DMT10	10°C	92	114	114	114
	0°C	84	114	114	114
	-20°C	74	114	114	114
	-40°C	66	106	114	114
DMT15	10°C	60	94	94	94
	0°C	54	86	94	94
	-20°C	48	76	94	94
	-40°C	42	68	86	94
DMT20	10°C	38	62	78	80
	0°C	36	56	70	80
	-20°C	32	50	62	80
	-40°C	28	44	56	80

Thermal-magnetic circuit breaker (curve D) and a 30mA differential protection must be used.

THERMAL RATINGS

Nominal output at 230V when DMT is installed on thermally insulated carbon steel pipes.

