



EXTRACT FROM THS
PRESENTATIONS – FULL DOC
AVAILABLE ON REQUEST AND
REGISTRATION

WELCOME -

TRAINING – ELECTRICAL HEAT TRACING –

TYPES OF ELECTRICAL HEAT TRACING CABLE

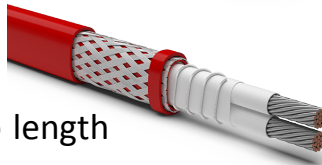
1. MINERAL INSULATED CABLES

MI Cables – were the first developed electrical heat trace technique.



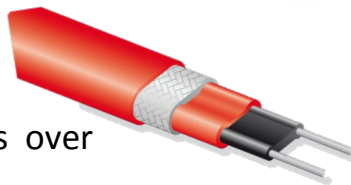
2. CONSTANT WATTAGE

The first type of “plastic” cable for cut to length at site



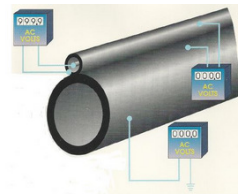
3. SELF REGULATING

The latest technology – huge advantages over older techniques



4. SKIN EFFECT

Applicable only to very long line pipelines.



PRO AND CON – MI CABLE?

- Very robust and can have a high wattage for high temp applications.
- Temp applications to 600 deg C
- Cannot be cut to length, cannot overlap

PRO AND CON – CONSTANT WATTAGE?

- Cut to length.
- Reasonably Hi power output.
- Can locate breakages.
- Cannot overlap and very fragile element.

PRO AND CON – SELF REG

- Cut to length / easy design and installation.
- Easy to maintain and repair
- Easy to control either with or without thermostats – and control can be very accurate.
- Can overlap
- More expensive.

PRO AND CON SKIN EFFECT?

- Power requirement / cost of power to cable.