

SELF REGULATING CABLES

With the semi-conductor structure, these cables get less current with increasing temperature and they emit less heat. As the temperature drops, the current rises. This physical phenomenon happens due to the resistance of semi-conductor matrix, increasing with increasing temperature. Due to this fact cables are “self-regulating” themselves. This causes the temperature controllers to be redundant. Self-regulating cables are the latest technology in Electrical Heat Tracing.

SELF-REGULATING CABLES HAVE CERTAIN ADVANTAGES COMPAIRED TO OTHER HEATING CABLES.

THESE CABLES CAN BE OVERLAPPED, THEY CAN BE CUT TO LENGHT AND THERE WON'T BE ANY COLD REGION. WHILE THE AMBIENT TEMPERATURE CHANGES, THE RESISTANCE OF THE CABLE CHANGES TOO AND THE POWER CONSUMPTION CHANGES IN TURN. DUE TO THIS FACT, IN CASE OF A FAILURE IN THE CONTROLLING SYSTEM, THERE IS NO RISK OF OVERHEATING AND BURNOUT. TEMPERATURE DOES NOT INCREASE UNLIMITEDLY.

