

XSS/TC

Technical Data

Max. Process Temp.	energised 600°C
Max. withstand Temp.	de-energised 1000°C
Min. Installation Temp.	minus 60°C
Cable Diameters	3.3mm to 4.6mm nominal
Cable Sheath	AISI Type 310
Min. Bending radius	Dia. x 6
Power Connection Cable	1.3 metres long, two core 1.5mm copper sheathed terminated with M20 Brass compression gland

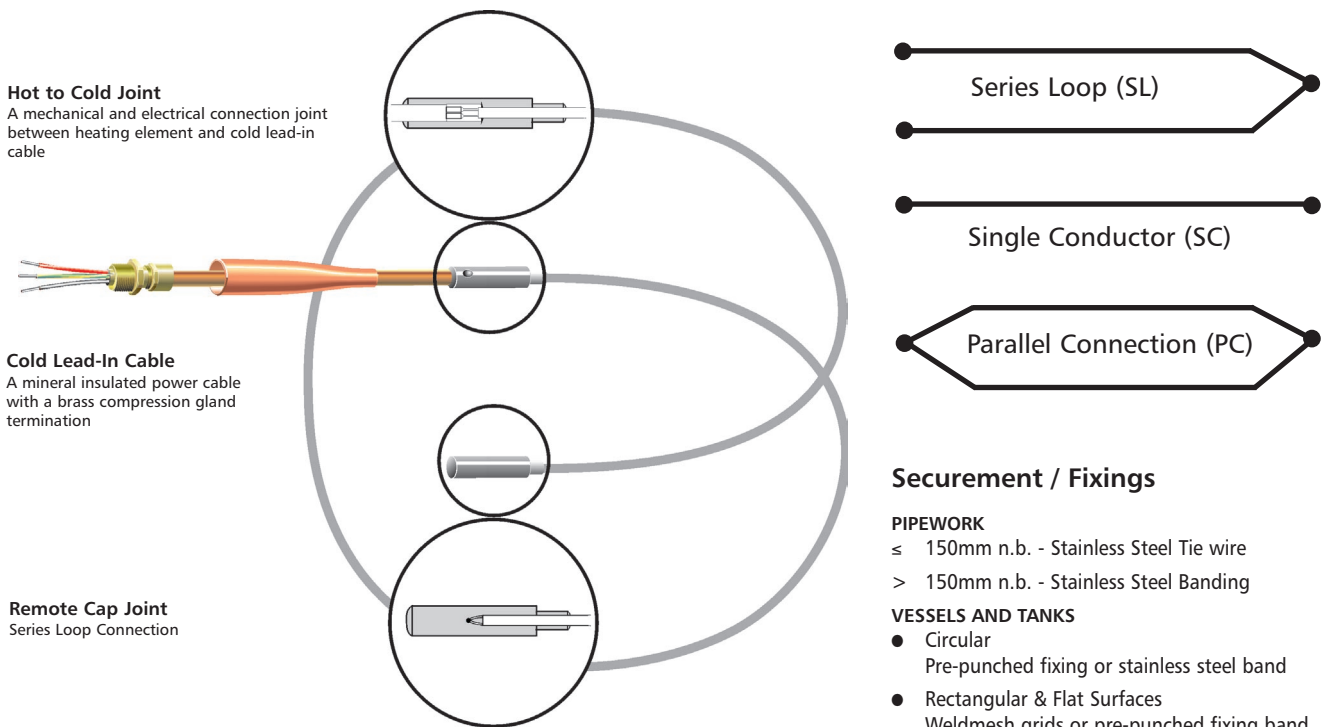
Installation Guide

- Install a straight line trace for pipework heating if practical
- Apply cable to the underside of the pipework
- Never allow loops or adjacent cable runs to touch or cross over each other - this will eliminate localised hotspots
- Form a sufficient loop into an 'S' configuration at valves
- Provide a suitable loop bend when crossing over flanges and in-line connections
- Ensure brazed joints are not applied directly onto surfaces in excess of 500°C
- Locate copper lead-in cables away from temperatures in excess of 250°C

Heating Cable Reference	XSS/TC/15	XSS/TC/10	XSS/TC/7	XSS/TC/4	XSS/TC/3	XSS/TC/2	
Cable Diameter (mm)	3.3	4.3	4.4	4.6	4.5	4.5	
Resistance (ohms/metre)							
SL Assembly. (Series Loop)	15	10	7	4	3	2	
SC Assembly. (Single conductor Conn)	7.5	5	3.5	2	1.5	1	
PC Assembly. (Parallel Connection)	3.75	2.5	1.75	1	0.75	0.5	
Production Coil Length (Mtrs)	680	600	600	600	600	600	
Weight 1000 Metres (Kg)	72	75	75	75	75	75	
Sheath Area per metre (sq cm)	103.68	135.1	138.24	144.53	141.39	141.39	
Recommended maximum power output at given surface temperatures	SURFACE TEMPERATURES	100 Deg.C	40	200	200	200	200
		200 Deg.C	30	150	150	150	150
		300 Deg.C	20	90	90	90	90
		400 Deg.C	10	30	30	30	30
		500 Deg.C	5	7	7	7	7

Recommended maximum power output at given surface temperatures in watts per metre of cable is based on a sheath operating temperature of approx 550°C

The majority of mineral insulated heating units are designed to dissipate approximately 100 watts per metre of cable to ensure longevity of service. With high watts/metre output of cable the M.T.B.F is reduced



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