XCN/SC

Technical Data

Max. Process Temp.					
Max. withstand Temp.					
Min. Installation Temp.					
Cable Diameters					
Cable Sheath					
Min. Bending Radius					
Power Connection Cables					

energised 250°C de-energised 400°C minus 60°C 3.2mm to 5.9mm nominal Cupro-Nickel Dia. x 6 1.3 metres long, 2.5mm copper sheathed terminated with M20 Brass compression

glands

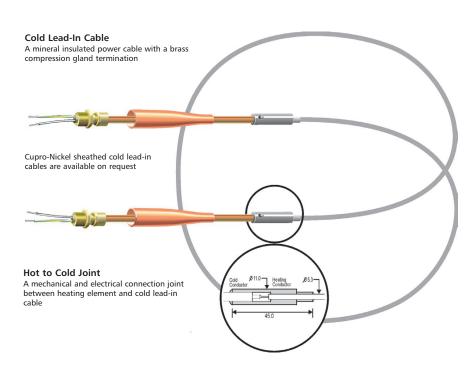
Installation Guide

- 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			XCN/1.6	XCN/1.0	XCN/0.63	XCN/0.4	XCN/0.25	XCN/0.16
Cable Diameter (mm)			3.2	3.4	3.7	4	4.4	4.9
Resistance (ohms/metre)			1.6	1.0	0.63	0.4	0.25	0.16
Production Coil Length (Mtrs)			800	700	600	500	400	300
Weight 1000 Metres (Kg)			38	44	54	65	82	105
Sheath Area per metre (sq cm)			100.48	106.70	116.30	125.70	138.20	154.00
Recommended maximum power output at given surface temperatures	SURFACE TEMPERATURES	25 Deg.C	100	107	116	125	138	154
		50 Deg.C	80	85	92	100	110	123
		100 Deg.C	65	70	75	80	90	100
		150 Deg.C	35	37	40	43	48	54
		200 Deg.C	20	21	23	25	27	30
		250 Deg.C	5	5	6	6	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 350° 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



Extended Range of Cupro-Nickel Sheathed Cables for very long circuits

Cable Ref:	Ohms/Metre	Cable Dia.
XCN/063	0.063	3.2
XCN/040	0.040	3.4
XCN/025	0.025	3.7
XCN/017	0.017	4.6
XCN/011	0.011	4.9
XCN/007	0.007	5.3
XCN/004	0.004	5.9

Securement / Fixings

PIPEWORK

- ≤ 150mm n.b. Stainless Steel Tie wire
- > 150mm n.b. Stainless Steel Banding
- VESSELS AND TANKS
- Circular
- Pre-punched fixing or stainless steel bandRectangular & Flat Surfaces
- Weldmesh grids or pre-punched fixing band



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