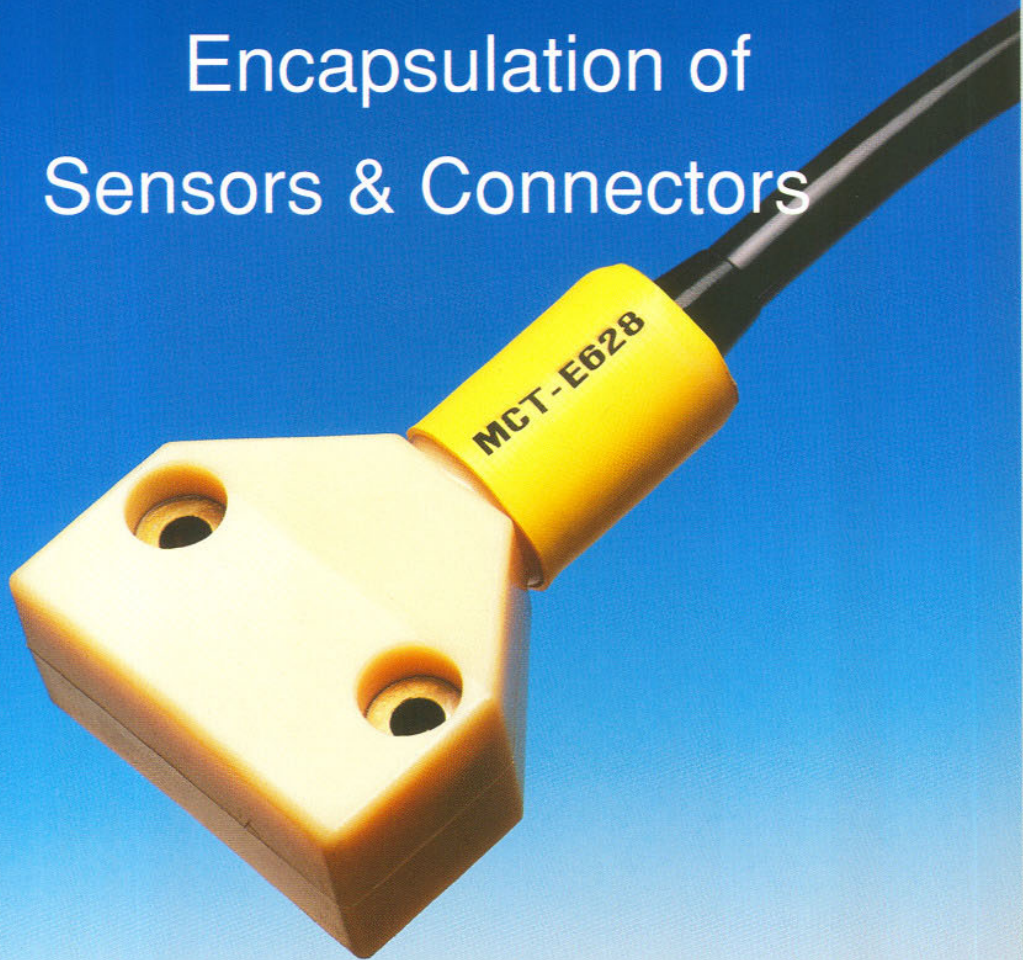


Encapsulation of Sensors & Connectors



Position indicator

- Customer designed
- 100% tested and inspected
in acc. to specifications



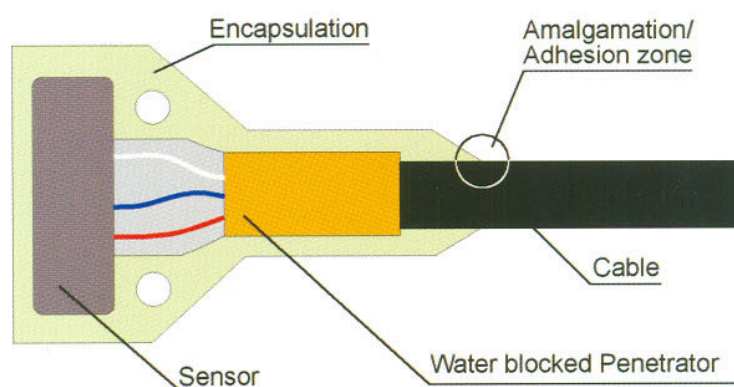
WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
WWW.THORNEANDDERRICK.CO.UK

Encapsulation of Sensors & Connectors

The encapsulation of inductive sensors and connectors are used to ensure a watertight seal.

Application dimensions and types of sensors and connectors are decided by the customer.

The sensors and connectors are currently used in different types of submarines.



Technical Data

<i>Hydrostatic pressure:</i>	Test pressure: 5 MPa (50 bar) or acc. to the specification
<i>Shock:</i>	Mechanical: 2000 g acc. to IEC 68-2-27 (1987) Hydrostatic: 213 bar / 6 ms
<i>Temp. range:</i>	Min. -40°C, Max. +70°C
<i>EMP:</i>	Peak 1 kA, raise and fall time 30 ns
<i>Longitudinal seal:</i>	Min. 10 cc/s air with 1 bar diff. pressure

Testing and inspection

- Dimension inspection and general investigation
- Inspection and test of cable termination and conductor connections.
- Radiographic examination of moulding
- Leak detection test
- Hydrostatic pressure test
- High voltage test
- Insulation resistance test
- Conductor continuity and function test
- Result verification and inspection report/certificate

LB 207