

## Technical Data Sheet TD B101

October 2009

### TD B101– ATEX Certification

This note has been prepared to clarify the meaning of the symbols used in the ATEX licences held by AEI Cables Ltd. These licences are controlled by SIRA


We have approval numbers for our glands (RGM) and our straight through joint tubes (RJMZ).

The marking includes the following references;

Glands Ex d IIC Gb  II 2G SIRA 03 ATEX1193X

Straight through joints Ex d IIC T6 Gb  II 2G SIRA 03 ATEX1192X

The individual characters are interpreted as follows;

- Ex hazardous area equipment symbol is a statement of conformity to EU Standards
- d for use in flameproof enclosures
- II type II equipment for use in places with a potentially explosive atmosphere, other than mines
- C for flameproof enclosures, gases and vapours are sub-divided according to the maximum experimental safe gap (MESG) of closure. The final character of the certificate for Type d is one of three, denoting the MESG:-
  - A MESG above 0.9mm
  - B MESG between 0.5 and 0.9mm
  - C MESG below 0.5mm
-  one of three, denoting the MESG:-
- T6 refers to the temperature class, and in this case refer to a maximum surface temperature of the component of 85°C.
- Gb comes from an IEC standard (ATEX equivalent), G for gas atmosphere, b for use in up to zone 1

Note: a would be for use up to Zone 0, b up to Zone1 and c for Zone 2

SIRA 03 ATEX1193/4X are the certificate numbers



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