

USE OF ALUMINIUM IN HAZARDOUS LOCATIONS

The use of aluminium cables in mines is cautioned as the Mine Health and Safety Act 1996 may prohibit it. Extracts of the act are below for convenience.

Chapter 10.1

2) The employer must take reasonably practicable measures to prevent persons from being injured in any hazardous location as a result of fire, explosion or the ignition of gas, dust, mist or vapour. Such measures must ensure that –

- o) no apparatus, component or machinery made of light metal is used in a hazardous location

“light-metal” means:

- A.) Aluminium
- B.) Magnesium
- C.) Titanium

“hazardous location” means any location where there may be a significant risk of igniting gas including underground mines where, under normal operating conditions, there is a continuous presence of flammable gas measured at a concentration of 0.5% or more by volume in the air.

electric
african cables