JOHNEX explosives

ELECTRIC INSTANTANEOUS DETONATORS

JOHNEX ELECTRIC INSTANTANEOUS DETONATORS contain a priming composition of PETN base charge inside a cylindrical aluminium alloy shell, with red and white lead wires and have been designed for use in the mining industry.

APPLICATION

JOHNEX ELECTRIC INSTANTANEOUS DETONATORS are ideal for initiating systems appropriate for mining and commercial applications. JOHNEX ELECTRIC INSTANTANEOUS DETONATORS are commonly used to initiate cast primers, detonating cord and cap sensitive cartridge explosives. JOHNEX ELECTRIC INSTANTANEOUS DETONATORS can be used in wet conditions if adequate precautions are taken to protect the lead-wire connections.

FEATURES AND BENEFITS

- Sensitive components housed inside the detonators.
- Can be used at elevated temperatures up to 60˚C.
- Packaged as Class 1.4B with 50 detonators per box.
- Water resistant up to a depth of 20m, immersing time of 8 hours.
- Shelf life of 4 years under ideal conditions.
- Contents are vacuum sealed to improve shelf life and stock counts.

PHYSICAL PROPERTIES

Detonator	No 8 Strength
Shell Composition	Aluminium
Shell Diameter	7.2mm
Base Charge	800mg PETN
Bridge Wire Resistance	1.4 - 2.0 Ω
No Fire Current	0.18 A
All Fire Current	1.0 A
Electrostatic Sensitivity	12kV/300pF
Lead Wire Colours	White/Red
Lead Wire Type	Copper
Lead Wire Diameter	0.6mm
Lead Wire Length	2.0m
Explosives Class: 1.4B UN No: 0255	

STANDARD PACKAGING

PRODUCT	WEIGHT (kg)	QTY
ELECTRIC INSTANTANEOUS DETONATOR	< 1	50

STORAGE AND HANDLING

JOHNEX ELECTRIC INSTANTANEOUS DETONATORS should be stored in a cool, dry, ventilated magazine licensed for Class 1.4B detonators.

SHELF LIFE

Shelf life is four years when stored in ideal conditions. Once shrink wrap is broken, product must be used within 12 months.

SAFETY

JOHNEX ELECTRIC INSTANTANEOUS DETONATORS are supplied in tight coils with the ends of the lead-wires shorted and sheathed. Always keep wire shunted until required.

This configuration safeguards against accidental initiation by stray currents or radio frequency transmissions.

Note that JOHNEX ELECTRIC INSTANTANEOUS DETONATORS may initiate if the lead-wires touch the aerial of the radio transmitter (including mobile telephones). Normal blasting procedures must ensure that radio transmitters are not allowed near electric detonators.

For more information, please consult the Safety Data Sheet.

ELECTRIC INSTANTANEOUS DETONATORS – TECHNICAL DATA SHEET